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UNDERGRADUATE

Welcome to the Undergraduate Studies Bulletin

The Undergraduate Studies Bulletin is the official document of record concerning undergraduate academic programs and regulations.

This bulletin is for information purposes only and does not constitute any contractual agreement between a student and the University of South Carolina. The University reserves the right to make changes in curricula, degree requirements, course offerings, or academic regulations at any time when, in the judgment of the faculty, the president, or the Board of Trustees, such changes are in the best interest of the students and the University.

Academic Bulletin Information

Administrative Copies

Printed administrative copies of the academic bulletins through the 2008-2009 academic year are available for reference in Thomas Cooper Library, the School of Medicine Library, Coleman Karesh Law Library, the Office of Undergraduate Admissions, The Graduate School, the Office of the Provost, and each college, school, and department office. Complimentary administrative copies are no longer produced.

Bulletin Updates and Corrections

Non-curricular information (i.e., faculty listings, contact information, college or departmental descriptive text) can be updated by contacting the Office of the University Registrar (bulletin@mailbox.sc.edu). Any material pertaining to course descriptions or curriculum changes must have the approval of the Faculty Senate, Graduate Council, Board of Trustees, and/or S.C. Commission on Higher Education before it can be published in the bulletins.

Printing Portions of the Online Bulletins

Except for a limited run of administrative copies up to the 2008-2009 academic year (copies of which are available for reference in the UofSC libraries), the academic bulletins are available online only. However, you may produce hard copy of any portion or all of an online bulletin using your local printer.

Other Printed Academic Documents

Supplementary materials are available on request as follows: the School of Medicine bulletin may be obtained by writing to the medical school; the School of Law bulletin may be obtained by writing to the School of Law. These offices are at the University of South Carolina, Columbia, SC 29208.

Final authority for all aspects of content rests with the Office of the Provost. All material submitted for publication in the undergraduate bulletin must be cleared through the academic editor, Sandra Kelly, vice provost and dean of undergraduate studies. For the graduate bulletin, clearance must be obtained through Cheryl Addy, vice provost and dean of the Graduate School.

Registration at the University of South Carolina assumes the students' acceptance of all published regulations, including both those which appear in this document and all others as applicable in any official announcement such as Carolina Community: Student Handbook and Policy Guide.

Official policies of the University listed below are published annually in Carolina Community.

1. Student Rights and Freedoms within the Academic Community
2. Code of Student Academic Responsibility and Procedures for Implementation of this Code
3. Grievance Policy and Procedures for Non-Academic Areas
4. University Policy on Use of Alcohol
5. University Policy on Campus Solicitation
6. University Policy on Student Patent and Copyright Matters

The University has established procedures to certify that all classroom activities are conducted by individuals with spoken and written proficiency in the English language at a suitable level. Student complaints concerning the English proficiency of an individual with classroom responsibilities should follow the grievance procedures available from the Office of the Provost.

The University of South Carolina provides equal opportunity in education and employment for all qualified persons regardless of race, color, religion, sex, national origin, age, disability, or veteran status. The University of South Carolina has designated as the ADA Title II, Section 504 and Title IX coordinator the Executive Assistant to the President for Equal Opportunity Programs. The Office of the Executive Assistant to the President for Equal Opportunity Programs is located in:

1600 Hampton St.
Suite 805
Columbia, South Carolina
Telephone: 803-777-3854

ACADEMIC PROGRAMS

Academic Programs

Undergraduate degree programs on the Columbia campus are offered through the Colleges of Arts and Sciences (p. 13); Hospitality, Retail, and Sport Management (p. 412); Education (p. 320); Engineering and Computing (p. 354); College of Information and Communications (p. 456); Nursing (p. 500); Pharmacy (p. 507); and Social Work (p. 509) and through the School of Music (p. 485), the Arnold School of Public Health (p. 436), and the Darla Moore School of Business (p. 289).

For a list of undergraduate programs offered on the Columbia Campus visit the following link:

- Programs A-Z (p. 10)

Carolina Core Requirements

The Carolina Core curriculum provides the common core of knowledge, skill, and academic experience for all Carolina undergraduates. It has 10 Core components, each with learning outcomes and credit hour requirements. The Core begins with foundational courses early in the undergraduate experience, followed by one or more integrative courses near the end in which selected Core learning outcomes are integrated into the chosen major.

Each of the ten Core components must be met with a Core-approved course. While most Core-approved courses fulfill a single Core component, a few courses, called overlay-eligible courses, have been approved to fulfill two Core components. Every student is required to complete a minimum of 31 credit hours of Core-approved courses.

Transfer students who enter UofSC Columbia, Lancaster, Salkehatchie, Sumter, or Union are subject to the Carolina Core requirements. Any transfer courses that equate to Carolina Core courses will equate to both content and all outcomes associated with the UofSC Course.

Visit the Carolina Core website for more information.

Code	Carolina Core Components	Carolina Core Learning Outcomes	Credit Hours
	I. Lower Division: Core Courses	Learning Outcomes to be met at foundational level of mastery	28-34 hours
CMW	Effective, Engaged, and Persuasive Communication: Written Component	Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through writing and speaking.	6 Written component

ARP	Analytical Reasoning and Problem-Solving	Apply the methods of mathematical, statistical, or analytical reasoning to critically evaluate data, solve problems, and effectively communicate findings verbally and graphically.	6
SCI	Scientific Literacy	Apply the principles and language of the natural sciences and associated technologies to historical and contemporary issues.	7
GFL	Global Citizenship and Multicultural Understanding: Foreign Language	Communicate effectively in more than one language.	0-6 (depending on placement test)
GHS	Global Citizenship and Multicultural Understanding: Historical Thinking	Use the principles of historical thinking to understand past human societies.	3
GSS	Global Citizenship and Multicultural Understanding: Social Sciences	Use the principles of the social sciences to explore diverse cultural identities and to analyze political and environmental issues.	3
AIU	Aesthetic and Interpretive Understanding	Create or interpret literary, visual or performing arts	3
	II. Lower Division: Stand-Alone or Overlay-Eligible Courses	Up to two of these three Core requirements may be met in overlay courses that combine learning outcomes from two Core courses.	3-9 hours (depending on whether these three outcomes are met with stand-alone or up to two overlay courses)

CMS	Effective, Engaged, and Persuasive Communication: Spoken Component	Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through writing and speaking.	0-3 Spoken component
INF	Information Literacy	Collect, manage and evaluate information using technology, and communicate findings.	0-3
VSR	Values, Ethics, and Social Responsibility	Examine different kinds of social and personal values, analyzing the ways in which these are manifested in communities as well as individual lives.	0-3
Integrative	III. Upper Division: Integrative Course in the Major	Upper division course in the major program of study includes learning outcomes from the Carolina Core. Students should refer to their program major for more information.	N/A
TOTAL Hours in Carolina Core			31-43 hours (depending on language placement tests and use of at most two overlay courses)

Carolina Core Courses

- Foundational Courses (p. 741)
- Integrative Courses (p. 749)

Other Requirements

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a

requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective.

Special Academic Opportunities

Special academic and cultural programs whose scope extends beyond the disciplinary field of any specific college, school, or department are offered at the University.

Cognates and Minors

The University recognizes the importance to students of in-depth study of an area to supplement their major field. Most colleges within the University require either a cognate or a minor in addition to the major as part of degree requirements. Some programs require neither.

A minor is a series of courses that display a distinct curricular pattern in one discipline that is different from the major. Undergraduate minors normally require a minimum of 18 credit hours of prescribed courses. Undergraduate minors appear on the transcripts, but not on the diplomas.

A cognate is a series of courses that display a distinct curricular pattern in one or more disciplines different from the major. Undergraduate cognates require a minimum of 12 credit hours in advanced level courses related to, but outside the major. Cognates are variable according to what is appropriate as determined by the student and the major advisor. Thus cognates do not appear on either the transcripts or the diplomas.

Students are advised to consult their academic dean as to whether a minor or cognate is required for their degree program. For a list of undergraduate minors visit Programs A-Z (p. 10).

South Carolina Honors College

South Carolina Honors College (http://www.sc.edu/study/colleges_schools/honors_college/) was established in 1978 as a means of encouraging gifted students to develop their full intellectual capacities. For additional information, please visit the South Carolina Honors College (p. 513) section of this bulletin

Study Abroad

Each year hundreds of students participate in study abroad programs in many locations around the world. The Study Abroad Office (http://sc.edu/about/offices_and_divisions/global_carolina/?option=com_content&view=article&id=207&Itemid=1/) staff is available to guide students through the study abroad process, providing information about study abroad options, scholarship opportunities and diverse academic, cultural, and linguistic experiences available to them. By developing and implementing quality programming, the Study Abroad staff helps prepare students interested in experiencing a culture other than their own prior to departure and facilitate their return to UofSC after their study abroad experience has ended.

In addition, the Study Abroad Office assists faculty in developing short-term international programs, provides support services for exchange students who attend UofSC, and administers exchange programs with international universities. The Study Abroad Office is continually developing new program options for the benefit of interested students.

For more information contact the Study Abroad Office (https://sc.edu/about/offices_and_divisions/study_abroad/) at 803-777-7557.

University 101

University 101 is a 3-credit-hour seminar course provided for and offered to freshmen and to other undergraduate students (i.e., transfer students) in their first semester at UofSC Columbia. This course provides an introduction to the nature and importance of university education and a general orientation to the functions and resources of the University. Many sections are offered for students enrolled in a specific UofSC college or academic major.

The course helps new students adjust to the University, develop a better understanding of the learning process, and acquire essential academic success skills. It also provides students a support group in a critical year by examining problems common to the new-student experience.

Offered in small classes of 19 students, University 101 is taught by faculty members and administrative personnel who have a special interest in working with new students. The course may be taken as part of a student's regular load or as an overload. Course credit is awarded on a letter-grade basis. Credit is applicable as either elective or required credit toward most baccalaureate degrees offered by the University.

Undergraduate Research

Many students enrich the academic experience through research opportunities in all disciplines. Students work one-on-one with a faculty mentor, receive funding for their projects, and gain professional research experiences. The Office of Undergraduate Research (http://sc.edu/about/offices_and_divisions/undergraduate_research/) assists students in making connections with faculty and facilitating projects. Discovery Day (https://sc.edu/about/signature_events/discover/usc/) showcases students' scholarly pursuits in and out of the classroom. Students present their research discoveries through poster discussions, oral presentations, artistic presentations & visual art displays. Some students elect to live together in a unique community on campus. Students will benefit from field trips, the Discover Seminar Series, networking events with faculty and other researchers, and access to service learning opportunities study abroad programs and internships.

Service Learning

Service-learning offers students an opportunity for hand-on involvement with real world concerns as a venue for educational growth. Combining the academic experience with community service provides a context for testing, observing, or trying out discipline-based theories, concepts, or skills. The Service Learning website (https://sc.edu/about/offices_and_divisions/leadership_and_service_center/service_opportunities/service_learning/) offers information on service learning courses available for students.

Leadership Learning

Many programs and activities are available at UofSC to develop leadership talent in students across disciplines, across colleges, across campus, and throughout the community. Several well known programs include the annual Student Leadership and Diversity Conference, the Emerging Leaders Program (https://sc.edu/about/offices_and_divisions/leadership_and_service_center/leadership_development/carolinalead/cfelp_peer_leader.php)

(ELP), and the leader mentor network. The ELP assists students in learning about basic leadership theory. Students assess and explore their own leadership style and capacities, develop skills relevant to leadership work, and develop a personal development and leadership plan. Emerging Leader Mentors (ELMs) are students who have been at the university for more than 4 semesters who provide mentoring for first year students and transfer students in the Emerging Leaders Program.

Career and Pre-Professional Counseling

Students interested in careers requiring postgraduate professional training should plan their undergraduate curricula to meet the entrance requirements of the professional schools involved. Special advisors are available to offer assistance in career and curriculum planning in the following fields of postgraduate specialization:

Law (Eileen Korpita, pre-law advisor). Most law schools require for admission a B.S. or B.A. degree and an acceptable score on the Law School Admission Test. A solid liberal arts education is the best academic background for the study of law. Hence, no particular major or specific courses are required for successful performance in law school.

Medicine, Dentistry, Veterinary Medicine, Optometry, Podiatry (Eileen Korpita, health careers advisor). Students may obtain general advice concerning health related careers from the health careers advisor in Rooms 127-129, Sumwalt. Medical schools urge undergraduate students to obtain a broad liberal arts education but also require certain specific courses for admission. These include courses in the areas of biology, chemistry, English, mathematics, and physics. A very high scholastic average and a good score on the appropriate national admission examination (MCAT, DAT, etc.) are also essential for admission. Premedical, predental, preveterinary medicine, preoptometry, and prepodiatry students should have their course programs approved by the faculty advisor beginning with their freshman year in order to increase their chance for admission to a professional school.

Religious Vocations (Carl D. Evans, advisor). The professional schools of theology and religious education usually require a B.A. degree for admission. In regard to the undergraduate program, a broad liberal arts education with emphasis in religious studies, philosophy, English literature, history, and languages is recommended. Students planning professional religious vocations should work with the advisor in planning their academic program to be sure that they are adequately prepared for graduate professional study.

Education (Office of Student Affairs). Students may obtain general advice concerning teacher preparation from the Office of Student Affairs in the College of Education, Room 113, Wardlaw College.

PROGRAMS A-Z

- Accounting, B.S.B.A. (p. 290)
- Actuarial Mathematics and Statistics Minor (p. 151)
- Advertising and Public Relations Minor (p. 463)
- Advertising, B.A.J.M.C. (p. 463)
- Aerospace Engineering Minor (p. 406)
- Aerospace Engineering, B.S.E. (p. 406)
- Aerospace Studies Minor (p. 205)
- African American Studies Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/african-american-studies/african-american-studies-minor/>)
- African American Studies, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/african-american-studies/african-american-studies-ba/>)
- African Studies Minor (p. 102)
- Ancient Greek Literature Minor (p. 139)
- Anthropology Minor (p. 27)
- Anthropology, B.A. (p. 27)
- Applied Computing Minor (p. 381)
- Art Education, B.F.A. (p. 242)
- Art History Minor (p. 245)
- Art History, B.A. (p. 245)
- Art Studio Minor (p. 247)
- Art Studio, B.A. (p. 247)
- Art Studio, B.F.A. (p. 249)
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COLLEGE OF ARTS AND SCIENCES

Joel Samuels, J.D., *Dean*

Claudia Benitez-Nelson, Ph.D., *Associate Dean for Instruction and Research*

Christy Friend, Ph.D., *Associate Dean for Undergraduate Studies*

Nina Levine, Ph.D., *Associate Dean for Arts, Humanities, and Social Sciences*

Jennifer Gunter, Ph.D., *Interim Associate Dean for Diversity, Equity, and Inclusion and Community Engagement*

Jeff Twiss, Ph.D., *Interim Associate Dean for Research and Graduate Education*

Qiana Whitted, Ph.D., *Interim Associate Dean for College Initiatives and Interdisciplinary Programs*

Overview of the College

As the largest college at the University of South Carolina, the College of Arts and Sciences is the intellectual, artistic, scientific, and instructional heart of the university. The college is home to award-winning scientists, scholars and teachers that span the arts, humanities, natural science, and social science disciplines. The college's 26 schools, departments, academic programs, and institutes offer 109 degrees to over 8,700 undergraduates and more than 850 graduate students. College faculty are consistently recognized both nationally and internationally for teaching and research excellence.

By providing the majority of courses within the Carolina Core, the College provides a foundation for every University of South Carolina undergraduate student. Today, the college is a vibrant community of learning on the forefront of advances in teaching, learning and research.

The college offers over 40 majors, over 60 minors and more than 70 graduate programs, providing students with a broad selection of study areas and opportunities to participate in research and creative/scholarly activities. Rooted in the liberal arts tradition, the college provides a comprehensive education that champions hands-on learning, critical thinking, ethics, creativity, communication skills, resilience, teamwork and other skills and attributes that form the foundation of success in graduates' lives and careers.

The college enriches student learning through dynamic and engaging instruction, academic advising, career exploration and experiential learning. The Office of Undergraduate Studies provides student services and facilitates advising, study abroad, internships and career development with staff dedicated to the needs of arts and sciences students.

The heart of a major research university, the College is a hub of research excellence and creative activity. Its faculty-led research programs bring in excess of \$30 million dollars annually in external funding, advancing knowledge and producing novel work that impacts literature, medicine, education, climate and other natural sciences, public policy, and more. In our rapidly changing world, it is now more imperative than ever that students leave the University with an education founded in social and cultural awareness, thoughtful and ethical decision-making, emotional intelligence and the ability to communicate clearly and with informed intent. The College of Arts and Sciences is proud to offer an educational experience that truly transforms and enriches the lives of not only our students, but of all of those they will impact.

Academic Departments

The College of Arts and Sciences consists of the Departments of Anthropology; Biological Sciences; Chemistry and Biochemistry; Criminology and Criminal Justice; English Language and Literature; Geography; History; Languages, Literatures, and Cultures; Mathematics; Philosophy; Physics and Astronomy; Political Science; Psychology; Religious Studies; Sociology; Statistics; and Theatre and Dance, as well as the School of the Earth, Ocean and Environment and the School of Visual Art and Design. Interdisciplinary Programs that offer Bachelor of Arts and Bachelor of Science degrees include African American Studies, Cyber Intelligence, Film and Media Studies, Global Studies, and Women's and Gender Studies. Additional programs that offer undergraduate courses and opportunities include African Studies, Asian Studies, Islamic World Studies, Jewish Studies, Latin American Studies, Linguistics, Russian and Eurasian Studies, Southern Studies, and Speech Communication. Aerospace Studies, Military Science, and Naval Science administer the University's ROTC programs.

Through departmental and interdepartmental programs in these areas, the college offers the undergraduate Bachelor of Arts, Bachelor of Science, Bachelor of Fine Arts, and Bachelor of Arts in Interdisciplinary Studies Degrees. The college also offers both a Bachelor of Arts and a Bachelor of Science degree program in Economics as well as a Bachelor of Science in Cardiovascular Technology that combines 100 semester hours of academic work with a clinical program at an accredited hospital.

In addition to serving students majoring in any of the established arts and sciences disciplines, the College offers courses included in the general degree requirements and elective options for all baccalaureate students at the University. Academic units in the college also participate actively in the South Carolina Honors College.

Centers and Institutes

Centers and institutes within the college include the Belle W. Baruch Institute for Marine and Coastal Sciences, Center for Civil Rights History and Research, Center for Digital Humanities, Center for Geographic Education, Center for Science Education, Electron Microscopy Center, GISciences Research Laboratory, Hazards and Vulnerability Research Institute, Interdisciplinary Mathematics Institute, Institute for African American Research, Institute for Mind and Brain, Institute for Southern Studies, McCausland Center for Brain Imaging, Parenting and Family Research Center, Psychological Services Center, S.C. Institute of Archaeology and Anthropology, and the Walker Institute of International and Area Studies. As part of the College of Arts and Sciences, the Humanities Collaborative advances interdisciplinary humanistic inquiry by initiating new collaborations and supporting ongoing intellectual, creative, and investigative endeavors among faculty, students, and members of the public. The college also is home to the McKissick Museum, which fosters awareness and appreciation for the history of the university and the community, culture and environment of the American South.

Accreditations

The School of Visual Art and Design is accredited by the National Association of Schools of Art and Design (NASAD). The Department of Chemistry and Biochemistry has been approved by the American Chemical Society's (ACS) Committee on Professional Training, and the curriculum for the Bachelor of Science in Chemistry meets ACS requirements. In the Department of Psychology, the graduate degrees in Clinical/Community Psychology are accredited by the American Psychological Association (APA); graduate degrees in School Psychology are accredited by the American Psychological Association (APA) and

the National Association of School Psychologists (NASP) through a partnership with the Council for the Accreditation of Educator Preparation (CAEP). The Master of Public Administration degree offered by the Department of Political Science is accredited by the National Association of Schools of Public Affairs and Administration (NASPAA). The Department of Theatre and Dance is accredited by the National Association of Schools of Theatre (NAST) and the National Association of Schools of Dance (NASD); the Department is also a member of the University/Resident Theatre Association (URTA). Through selected degree programs, the College of Arts and Sciences participates in the teacher education programs of the University that are accredited by the CAEP.

Diversity, Equity, and Inclusion in Undergraduate Education

The College of Arts and Sciences is dedicated to promoting diversity throughout all its endeavors. We strive to foster an environment that values and is strengthened by the many different backgrounds, perspectives and experiences that faculty, students and staff bring to our learning community. As a vital part of undergraduate education, there are many academic and curricular opportunities for students to explore what it means to be an engaged citizen of diverse, inclusive, and equitable state, national and global communities.

College Academic Policies Progression Requirements

To remain in a degree program offered by the College of Arts and Sciences, a student must make satisfactory academic progress toward the degree. Some of our majors have progression requirements that each student must meet to remain in the major. When a student fails to meet these progression requirements, students must choose another major. A student who fails to make satisfactory progress may be placed on academic probation or removed from college. In addition, all students in the college are subject to the regulations on probation, suspension, and readmission in the section of this bulletin titled "Academic Regulations." Additional progression and retention requirements for specific majors are specified in the appropriate section of the bulletin.

The faculty of the College of Arts and Sciences recognizes the importance of clear, precise, and correct writing as part of a liberal education. Therefore, the faculty encourages the assignment of written work and fully supports professors who require written assignments to conform to reasonable standards of organization, development, coherence, and acceptable English usage.

Attendance Requirements

The College of Arts and Sciences recognizes that class attendance is essential for academic success. As such, students are responsible for satisfying the requirements for attendance and participation for any class in which they are enrolled. Please see the University's official attendance policy (<https://academicbulletins.sc.edu/undergraduate/policies-regulations/undergraduate-academic-regulations/#text>) for more information.

Graduation

In order to be eligible for graduation, students in the College of Arts and Sciences must meet all course requirements for the degree program, have a minimum of 120 applicable credit hours, be in good standing, meet any departmental or program requirements, and have a cumulative GPA

of at least 2.00. Department and program requirements appear under the appropriate departmental listing.

Students are encouraged to consult the University Registrar's office (https://www.sc.edu/about/offices_and_divisions/registrar/graduation/frequently_asked_questions/) for additional information related to graduation.

Advising

Students who wish to pursue a degree program in the College of Arts and Sciences must be admitted to the college and advised within the college. Each of the degree programs in the college has an Undergraduate Director who supervises the academic advising of all students in the degree program. Students must meet with their academic advisor at least once a semester prior to registering for classes for the upcoming semester. Students will not be able to register for classes until they have been formally advised by an academic advisor.

All freshmen are advised by an Undergraduate Academic Advisor (UAA). Assignment of students to specific advisors is handled by the Office of Undergraduate Studies in Flinn Hall. Upon the completion of their freshman or sophomore year (depending on major), students transition to a major advisor within their degree program. The student's assigned advisor is responsible for assisting the student with planning their path to degree completion in accordance with the Undergraduate Academic Bulletin.

During the semester before graduation, students work with their academic advisor to complete a major program card; students must then schedule an appointment for senior records check in the Office of Undergraduate Studies in Flinn Hall. Any requirements remaining for degree completion will be noted. This information will form the basis for the student's final academic advising.

All advising, senior records checks, graduation, and related processes for students majoring in one of the college's degree programs are supervised by the Office of Undergraduate Studies, Flinn Hall.

It is the responsibility of each student to understand and complete all requirements for their degree. Each student should review the Major Map and Academic Bulletin information concerning their degree program requirements. The student's advisor should be consulted for assistance in interpreting and applying major, minor, and cognate requirements. The college's Office of Undergraduate Studies is the final authority on all degree requirements. Students should consult this office with all concerns on the applicability of curricular requirements. Students seeking further information should contact the Associate Dean for Undergraduate Studies.

Right of Petition

A student may seek relief from academic standards and regulations by appealing to the Scholastic Standards and Petitions Committee of the College of Arts and Sciences. Information on procedures may be obtained from the Office of Undergraduate Studies in Flinn Hall.

Career Development

Career development initiatives in the College of Arts and Sciences complement academic advising by assisting students in clarifying career directions. Students are encouraged to begin the process of career planning as early as possible, normally in the freshman year. Career coaches are available in the Career Center to assist students in gaining an understanding of the student's own interests, values, abilities, and

personality; the versatility and marketability of a degree in the liberal arts; and the numerous career opportunities available for Arts and Sciences students. The Career Center provides individual career counseling, testing, workshops, networking and job shadowing opportunities, job search seminars, resources for graduate school planning, and an online career learning dashboard. In addition, students are encouraged to complement their academic studies with career-related work experience such as in research labs, with internships, cooperative education, part-time work experience, or volunteer work. The Career Center provides advisors with career resource listings to assist them in referring students to the center.

The Office of Undergraduate Studies at Flinn Hall as well as individual departments can assist students with identifying internship and research experiences appropriate for their academic and career interests.

Beyond the Classroom

The College of Arts and Sciences encourages students to seek learning opportunities beyond the classroom. This may include study abroad, internships, service learning, research, independent study courses and other activities.

The Office of Undergraduate Studies facilitates study abroad and internships in the college.

The college endorses the use of departmental independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must present a completed independent study contract that has been approved by the instructor overseeing the independent study project, the major advisor, and the Associate Dean for Undergraduate Studies in the college. No student may apply more than 15 hours of independent study credits toward the degree. Unless approved as a part of the major, minor, or cognate, independent study courses will be graded only on a Pass-Fail basis. A grade point average of 2.50 or greater is required to enroll in independent study courses.

Teacher Preparation Programs

The College of Arts and Sciences participates in teacher preparation programs for undergraduate students who wish to pursue teacher certification. Several options are available within the College of Arts and Sciences and in collaboration with the College of Education.

5-year Bachelor's and Master's Degree Program

The University of South Carolina (Columbia campus)'s innovative, five-year program is closely coupled with a student's undergraduate major. After earning a bachelor's degree in the appropriate discipline in the College of Arts and Sciences, a student may earn a master's degree in the College of Education, leading to teacher certification. Students must apply and be admitted to the master's year of this program, and must complete all prerequisites for the master's degree program as specified by the College of Education.

Students who plan to pursue the Master of Teaching degree may pursue a bachelor's degree in the College of Arts and Sciences in the appropriate discipline.

Teaching Area (Bachelor's Degree)

- English (Bachelor of Arts in English)
- Social studies (BA or BS (as applicable) in African-American Studies, History, Political Science, Sociology, or Psychology)

- Mathematics (Bachelor of Science in Mathematics or Statistics)
- Science (Bachelor of Science in Biology, Chemistry, or Physics)

The Master of Arts in Teaching (MAT) degree is also available at the University of South Carolina in selected disciplines, including art, foreign languages and theatre.

Bachelor's Degree Teacher Preparation Options

The College of Arts and Sciences also offers a Bachelor of Fine Arts with a major in art education that prepares students for K-12 certification in art. Students majoring in dance with a concentration in dance education K-12 are prepared for certification in K-12 dance.

Students majoring in Languages, Literatures and Cultures with concentrations in Classics-Latin, French, German, or Spanish may seek K-12 teacher certification in Latin, French, German, or Spanish through a teacher preparation option at the undergraduate level.

The Center for Science Education assists individual departments in offering content-specific courses in their disciplines designed for in-service and pre-service teachers. For details on available courses, students can contact the Center for Science Education or communicate with their advisors.

College Curricula

Degree requirements vary among the undergraduate degree programs in the College of Arts and Sciences. The curricula established for all baccalaureate degrees awarded by the college include a set of courses that fulfill general education requirements (that include the Carolina Core as well as additional courses in the fine arts, humanities and social sciences), a set of courses that comprise a departmental major, a set of courses that comprise a cognate or minor, and several hours of free elective courses. **A course may be used to fulfill only one requirement.** Students who choose to complete one of the college's degree programs are advised to read carefully the requirements of the major department or program and to consult frequently with their major advisor. Students who wish to change a major field of study during the final 30 hours of academic work can only do so after consultation with staff members of the Office of Undergraduate Studies at Flinn Hall.

General Education Requirements

All majors in the College of Arts and Sciences begin with general education requirements intended to provide students with foundational skills in problem-solving, analysis, understanding of other cultures and languages, historical thinking and ethics, as well as competence in written and oral communication. General education is not defined by subject matter alone, but rather by an attitude toward the world that emphasizes intelligent functioning as a human being.

The college's General Education requirements include all requirements in the Carolina Core, as well as additional requirements in fine arts, humanities and social sciences. A student must complete the specified number of hours for the degree of their choosing. Note that majors in the College of Arts and Sciences range from 120-128 credit hours. Students must complete ENGL 101 and ENGL 102 within the first 60 semester hours of work in order for these courses to be credited toward graduation.

Majors and Degrees

- African American Studies (Bachelor of Arts)
- Anthropology (Bachelor of Arts)

- Art Education (Bachelor of Fine Arts)
- Art History (Bachelor of Arts)
- Art Studio (Bachelor of Arts, Bachelor of Fine Arts)
- Biochemistry and Molecular Biology (Bachelor of Science)
- Biological Sciences (Bachelor of Science)
- Cardiovascular Technology (Bachelor of Science)
- Chemistry (Bachelor of Science, Bachelor of Science in Chemistry)
- Criminology and Criminal Justice (Bachelor of Arts)
- Cyber Intelligence (Bachelor of Science)
- Dance (Bachelor of Arts)
- Economics (Bachelor of Arts, Bachelor of Science)
- English (Bachelor of Arts)
- Environmental Science (Bachelor of Science)
- Environmental Studies (Bachelor of Arts)
- Psychology (Bachelor of Arts, Bachelor of Science)
- Film and Media Studies (Bachelor of Arts)
- Geography (Bachelor of Arts, Bachelor of Science)
- Geological Sciences (Bachelor of Science)
- Global Studies (Bachelor of Arts)
- History (Bachelor of Arts)
- Interdisciplinary Studies (Bachelor of Arts in Interdisciplinary Studies)
- International Studies (Bachelor of Arts)
- Marine Science (Bachelor of Science)
- Mathematics (Bachelor of Science)
- Media Arts (Bachelor of Arts)
- Philosophy (Bachelor of Arts)
- Physics (Bachelor of Science),
- Political Science (Bachelor of Arts)
- Religious Studies (Bachelor of Arts)
- Sociology (Bachelor of Arts, Bachelor of Science)
- Statistics (Bachelor of Science)
- Theatre (Bachelor of Arts)
- Women's and Gender Studies (Bachelor of Arts)

Arts and Sciences students may choose to earn multiple degrees, including a Bachelor of Science in one major and a Bachelor of Arts in another.

Majors

Every degree candidate in the college must successfully complete a major program of study, approved by a major advisor, that meets the major requirements of the department or program. A general major consists of at least 24 hours of approved advanced study in the student's field of interest. An intensive major requires 36 to 48 hours of approved advanced study; no special notation will appear on the student's transcript or diploma. The intensive major is often conceived specifically as preparation for professional or graduate study. A minimum grade of C is required for any course submitted for fulfillment of general or intensive major requirements. At least half of the major courses must be taken in residence in the College of Arts and Sciences in order to apply to the degree.

Several majors in the College of Arts and Sciences offer a Graduation with Distinction option that appears on transcripts and the diploma if

students complete the additional credit hours and other requirements. These majors include:

- Anthropology
- English
- Geology
- Geography
- History
- International Studies
- Mathematics
- Philosophy
- Political Science
- Religious Studies
- Sociology

For details about the Graduation with Distinction requirements, see the academic bulletin page for each program.

Interdisciplinary Studies

The College of Arts and Sciences offers the Bachelor of Arts in Interdisciplinary Studies for students who want a program of interdisciplinary studies without a major in a single department or in a structured interdepartmental degree program. For details see the bulletin for "Interdisciplinary Studies."

Second Major

In some degree programs of the College of Arts and Sciences, a student may elect a second major. Normally, second majors are possible only in degree programs with similar general requirements and are thus not available from other schools and colleges. In those cases, students may apply for two separate degrees. The second major option is not available in all colleges.

The following specifications for a second major apply:

1. The student must meet admission and progression requirements for the second major.
2. In those cases where second majors in two separate colleges are possible, the student must have received approval from both deans for a second major.
3. All requirements for the second major must be fulfilled.
4. All general education and special departmental requirements normally associated with the second major must be fulfilled.
5. In cases where the first major and the second major lead to different degrees, the student must designate one as the official degree of record.

A second major eliminates the cognate requirement; however, special departmental requirements normally completed as part of the cognate are not waived. Fulfillment of the requirements for a second major are indicated on the student's official transcript upon graduation. The requirements for the second major must be completed prior to graduation in order for the second major to be noted on the transcript.

Second Baccalaureate Degree

For information on second degrees, see "Graduation" in the academic regulations chapter of this bulletin.

Cognates

The cognate is intended to support the course work in the major or compliment itself. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs, depending on the interests of the student and the judgment of the advisor.

Courses offered by departments and programs in the College of Arts and Sciences that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences.

For cognate course offerings in other colleges, consult the appropriate sections of this bulletin. Some major programs have specific cognate requirements.

Courses applied toward general education requirements cannot be counted toward the cognate.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

For Bachelor of Science degrees, grades of D are acceptable for completion of the cognate requirement, except where restricted by the major program.

Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences

Accounting (ACCT): all numbered 300 and above

Aerospace Studies (AERO): all numbered 300 and above

African American Studies (AFAM): all

Anthropology (ANTH): all numbered 200 and above

Arabic (ARAB): all numbered 300 and above

Army/Military Science (ARMY): all numbered 300 and above

Art Education (ARTE): all numbered 300 and above

Art History (ARTH): all numbered 300 and above

Art Studio (ARTS): all numbered 200 and above

Astronomy (ASTR): all numbered 300 and above

Biological Sciences (BIOL): all numbered 300 and above

Chemistry (CHEM): all numbered 321 and above

Chinese (CHIN): all numbered 300 and above

Classics (CLAS): all

Communication Sciences and Disorders: all numbered 300 and above

Comparative Literature (CPLT): all numbered 300 and above

Computer Science (CSCE): all numbered 145 and above

Criminology and Criminal Justice (CRJU): all numbered 311 and above

Dance (DANC): all numbered 300 and above

Economics (ECON): all numbered 300 and above

Education (EDCE, EDEC, EDEL, EDET, EDEX, EDFN, EDLP, EDML, EDPY, EDRD, EDRM, EDSE, EDTE, PEDU): all numbered 300 and above except directed teaching courses and seminars

Engineering (BMEN, ECHE, ECIV, ELCT, EMCH, ENCP): all numbered 200 and above

English (ENGL): all numbered 300 and above

Environment and Sustainability (ENVR): all numbered 231 and above

European Studies (EURO): all numbered 300 and above

Exercise Science (EXSC): all numbered 300 and above

Film and Media Studies (FAMS): all numbered 200 and above

Finance (FINA): all numbered 300 and above

Foreign Language (FORL): all numbered 300 and above except directed teaching courses and seminars

French (FREN): all numbered 300 and above

Geography (GEOG): all numbered 200 and above

Geology (GEOL): all numbered 202 and above

German (GERM): all numbered 300 and above

Global Studies (GLST): all

Greek (GREK): all numbered 300 and above

Health Promotion, Education and Behavior (HPEB): all numbered 300 and above except HPEB 335

History (HIST): all numbered 300 and above

Hotel, Restaurant, and Tourism Management (HRTM): all numbered 300 and above

Integrated Information Technology (ITEC): all numbered 300 and above

International Business (IBUS): all numbered 300 and above

Italian (ITAL): all numbered 300 and above

Japanese (JAPA): all numbered 300 and above

Jewish Studies (JSTU): all numbered 300 and above

Journalism (JOUR): all numbered 300 and above

Latin (LATN): all numbered 300 and above

Latin American Studies (LASP): all

Library and Information Science (SLIS): all numbered 300 and above

Linguistics (LING): all numbered 300 and above

Management (MGMT): all numbered 371 and above except MGMT 498 and 499

Management Science (MGSC): all numbered 300 and above except MGSC 498, MGSC 499

Marine Science (MSCI): all numbered 215 and above

Marketing (MKTG): all numbered 300 and above

Mathematics (MATH): all numbered 241 and above except MATH 401

Media Arts (MART): all numbered 200 and above

Music (MUSC): MUSC 115, MUSC 116, MUSC 145 and all numbered 200 and above

Naval Science (NAVY): all numbered 300 and above

Nursing (NURS): all numbered 200 and above

Pharmacy: all numbered 300 and above

Philosophy (PHIL): all numbered 200 and above

Physics (PHYS): all numbered 212 and above

Political Science (POLI): all numbered 300 and above

Portuguese (PORT): all numbered 300 and above

Psychology (PSYC): all numbered 300 and above

Religious Studies (RELG): all numbered 300 and above

Retailing (RETL): all numbered 300 and above

Russian (RUSS): all numbered 300 and above

SC Honors College (SCHC): pending advisor approval

Social Work (SOWK): all numbered 300 and above

Sociology (SOCY): all numbered 300 and above

Southern Studies (SOST): all numbered 300 and above

Spanish (SPAN): all numbered 300 and above

Speech (SPCH): all numbered 200 and above

Sport and Entertainment Management (SPTE): all numbered 300 and above

Statistics (STAT): all numbered 300 and above

Theatre (THEA): all numbered 230 and above

Women's and Gender Studies (WGST): all numbered 300 and above

Minors

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses. The subject area of the minor may be related to the major.

Students pursuing interdisciplinary minors who wish to use courses in their major department for minor credit must petition the College Committee on Scholastic Standards and Petitions for permission to do so.

The minor is intended to develop basic and coherent preparation in a second area of study. It differs from the cognate inasmuch as the courses must be concentrated in one area and must follow a structured sequence. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade

of C or higher. At least half of the courses in the minor must be completed in residence at the University.

Minors are available in participating departments of the College of Arts and Sciences and in other colleges. For descriptions of specific minors, students should see the appropriate sections of the bulletin.

A list of minor programs of study can be found at Programs A-Z (<https://academicbulletins.sc.edu/undergraduate/programs-az/>)

Electives

Each degree in the College of Arts and Science requires a minimum number of credit hours in academic subjects.

No courses of a physical education, first aid, remedial, developmental, skill-acquiring, or vocational nature may be applied as credit toward a degree in the College of Arts and Sciences. To encourage the student to challenge themselves by taking electives that will broaden their educational background, the College of Arts and Sciences permits the use of the Pass-Fail option on true elective courses that are not being used to satisfy major, minor, cognate or core requirements. This option is not available on all courses, so students should check course descriptions and consult with their advisors and course instructors when selecting electives.

Other Regulations

In addition to the University academic regulations, students pursuing baccalaureate degrees in the College of Arts and Sciences are subject to the following:

1. A student shall not be permitted to enroll for more than 18 credit hours without the approval of the Office of Undergraduate Studies.
2. The Associate Dean for Undergraduate Studies, with the recommendation of the appropriate faculty, may authorize a student to repeat a course.

College Department and Program Areas

Click the links below to view programs and courses administered by each unit.

-
- African American Studies (p. 19)
 - Anthropology (p. 22)
 - Biological Sciences (p. 31)
 - Cardiovascular Technology (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/cardiovascular-technology-bs/>)
 - Chemistry and Biochemistry (p. 40)
 - Criminology and Criminal Justice (p. 51)
 - Cyber Intelligence (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/cyber-intelligence/>)
 - Economics (College of Arts and Sciences) (p. 55)
 - English Language and Literature (p. 63)
 - Film and Media Studies (p. 76)
 - Geography (p. 78)
 - Global Studies (p. 89)
 - History (p. 90)
 - Interdisciplinary Studies (College of Arts and Sciences) (p. 99)
 - Jewish Studies (p. 123)

- Languages, Literatures, and Cultures (p. 124)
- Linguistics (p. 143)
- Mathematics (p. 146)
- Neuroscience (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/neuroscience/>)
- Philosophy (p. 157)
- Physics and Astronomy (p. 164)
- Political Science (p. 170)
- Psychology (p. 186)
- Religious Studies (p. 194)
- ROTC (p. 200)
- School of the Earth, Ocean and Environment (p. 206)
- School of Visual Art and Design (p. 233)
- Sociology (p. 255)
- Statistics (p. 263)
- Theatre and Dance (p. 268)
- Women's and Gender Studies (p. 282)

African American Studies

Department Website (<http://www.cas.sc.edu/afra/>)

Qiana Whitted, *Director*

The African American Studies Program provides undergraduate majors and minors with the interdisciplinary tools to study the experiences of people of African descent and the resources to evaluate black historical, cultural, social, economic and political developments in South Carolina, the United States, and beyond. With courses organized around the two broad subject areas of "Society and History" and "Arts and Culture," students will have the opportunity to explore the breadth of the discipline before focusing on an individual plan of study. The program's principal strengths include black political and social movements, African-American literature, and comparative cultural anthropology.

Programs

- African American Studies Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/african-american-studies/african-american-studies-minor/>)
- African American Studies, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/african-american-studies/african-american-studies-ba/>)

Courses

AFAM 200 - Freedom Papers: Narratives of Race and Nation (3 Credits)

A study of the United States founding documents that emphasizes how the experiences of African American citizens throughout history and culture shape the country's values, norms, and ideals.

Carolina Core: VSR

Founding Documents: FND Founding Documents

AFAM 201 - Introduction to African American Studies: Social and Historical Foundations (3 Credits)

Introduction to the key debates, figures, and concepts that are fundamental to the interdisciplinary study of the historical, political, and social development of black life in America.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 202 - Introduction to African-American Studies (3 Credits)

Introduction to the analysis and discussion of creative works and traditions by and about African Americans through folklore, music, art, dance, and literature.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 207 - Introduction to African American Religions (3 Credits)

The variety of religious traditions of African Americans, with emphasis on the contexts in which they developed.

Cross-listed course: RELG 207

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.

Cross-listed course: EDTE 218, JSTU 218

Carolina Core: GSS, VSR

AFAM 303 - African-American Cultures (3 Credits)

An examination of African-American cultures in the New World.

Cross-listed course: ANTH 303

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 308 - African-American Feminist Theory (3 Credits)

An interdisciplinary survey of the contributions of African-American women to feminist theory.

Cross-listed course: WGST 308

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 330 - Psychology and the African-American Experience (3 Credits)

Psychological theory and research as it applies to African Americans. Explores Africentric and other perspectives and roles of culture, racism, and historical phenomena.

Cross-listed course: PSYC 330

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 331 - Black Experience in the United States to 1865 (3 Credits)

The social, cultural, economic, and political life of black people in the United States to 1865.

Cross-listed course: HIST 331

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 332 - Black Experience in the United States since 1865 (3 Credits)

The social, cultural, economic, and political life of black people in the United States since 1865.

Cross-listed course: HIST 332

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 335 - The American Civil Rights Movement (3 Credits)

Examination of the origins of Jim Crow and the multi-faceted struggle against it, and other forms of racial inequality, in the American South and the rest of the US since the early 20th century.

Cross-listed course: HIST 455

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 343 - Religions of the African Diaspora (3 Credits)

Explore development/theologies of African/African Diaspora religions; examine misunderstandings; arrive at a more sophisticated and nuanced vision of these religions and the people who hold them.

Cross-listed course: RELG 343

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 348 - Environmental Racism and Justice (3 Credits)

History of the environmental justice movement and the unequal distribution of environmental harms on low income, minority, and historically marginalized groups.

Cross-listed course: ENVR 348

AFAM 350 - Antiracist Education (3 Credits)

Basic concepts, issues, and practices of antiracist education. Topics include individual and institutional racism, overt and covert racism, curriculum, textbooks, power relationships, teacher-student relationships, and privacy.

Cross-listed course: EDFI 350

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 353 - Introduction to U.S. Racial and Ethnic Politics (3 Credits)

Survey of theories of the impact of race, ethnicity, and racism on American politics, and analysis of major policies and racial group experience regarding American citizenship.

Cross-listed course: POLI 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 355 - Race and Ethnic Relations (3 Credits)

Theoretical and empirical approaches related to race/ethnicity and the current state of race relations in American, with some attention to global issues.

Cross-listed course: SOCY 355

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 364 - African-American Politics (3 Credits)

African-American politics from the colonial period to the present. Emphasis on voting rights and strategies to advance black representation.

Cross-listed course: POLI 364

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 365 - Medical Experimentation and the Black Body (3 Credits)

A cross-disciplinary study of how the bodies of Africans and African Americans were used in medical experimentation, starting in the late 18th century and continuing to the present.

Cross-listed course: ANTH 263

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 366 - Medicine, Disease, and Slavery (3 Credits)

An interdisciplinary study of the health of enslaved African Americans during the nineteenth century by focusing on the conceptions, experiences, and dynamics of the relationship between slaves, medicine, healing, and their masters in the Antebellum American South.

Cross-listed course: ANTH 366

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 380 - Cultural History of Hip Hop Music (3 Credits)

Roots of rap/hip hop music from African bardic tradition to African American vernacular traditions and development as a musical genre; rap's musical and verbal traits and political ideologies; hip hop's influence on mainstream American society and global youth.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 393 - Race and Science Fiction (3 Credits)

Draws on science fiction to understand the contemporary history of American racial and ethnic politics and to speculate about the significance of race in America's political future.

Cross-listed course: POLI 393

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 397 - Special Topics in African American Society and History (3 Credits)

Reading and research on selected social and historical topics in African American studies. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 398 - Special Topics in African-American Arts and Cultures (3 Credits)

Reading and research on selected arts and cultural topics in African-American studies. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

AFAM 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

AFAM 402 - African American Political Thought (3 Credits)

Survey of many of the major schools of historic and contemporary African American political thought.

Cross-listed course: POLI 402

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 420 - Slavery, Literature & Culture (3 Credits)

Interdisciplinary analysis of how the experiences of enslaved people are represented through fiction, autobiography, film, art, and new media.

AFAM 428A - African-American Literature I: to 1903 (3 Credits)

Representative works of African-American writers to 1903.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 428A

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 428B - African-American Literature II: 1903 – Present (3 Credits)

Representative works of African-American writers from 1903 to the present.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 428B

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 438D - African Literature (3 Credits)

Authors and literary forms representative of Africa.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 438D

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 438E - Caribbean Literature (3 Credits)

Authors and literary forms representative of the Caribbean.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 438E

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: ANTH 442, ENGL 457, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 463 - Jim Crow: Histories & Revivals (3 Credits)

This course critically examines the continuities and discontinuities between Jim Crow and our current historical and political moment.

Cross-listed course: HIST 463

AFAM 476 - Black Activism (3 Credits)

Critical review of theories of community organizing, grassroots activism, and social movements, and examination of contemporary forms of black activism.

Cross-listed course: POLI 476

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: WGST 111 or WGST 112 or ANTH 102.

Cross-listed course: ENGL 486, SPCH 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101, ENGL 102.

Cross-listed course: ENGL 487, WGST 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 498 - Seminar in African-American Studies (3 Credits)

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 499 - Seminar in African-American Studies (3 Credits)

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 515 - Race, Gender, and Graphic Novels (3 Credits)

Representations of race and gender in comics with a special emphasis on the experiences of African Americans.

Cross-listed course: WGST 515

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 517 - An Anthropological View of Blacks in Film (3 Credits)

Cultural representations, constructions, production, and consumption of African-American identity in the popular culture medium of feature films.

Cross-listed course: ANTH 517

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 565, THEA 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 580 - Culture and Identity in the African Diaspora (3 Credits)

Students will explore the African Diaspora as a social, cultural, and historical formation with Africa at its center, focusing on US, Latin American, and Caribbean African-descended communities.

Cross-listed course: ANTH 580

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

Anthropology

Department Website (<http://www.cas.sc.edu/anth/>)

Jennifer Reynolds, *Chair*

The department offers an undergraduate major in anthropology leading to the Bachelor of Arts degree.

Programs

- Anthropology Minor (p. 27)
- Anthropology, B.A. (p. 27)
- Medical Anthropology Minor (p. 31)

Courses

ANTH 101 - Primates, People, and Prehistory (3 Credits)

An exploration of human origins, human evolution, human prehistory, and cultural existence from its less complex forms to early civilizations. An introduction to the concepts, methods, and data of physical, biological, and archaeological anthropology.

Carolina Core: GSS

ANTH 102 - Understanding Other Cultures (3 Credits)

An exploration and comparison of selected contemporary cultures, including their languages. An introduction to the concepts, methods, and data of socio-cultural anthropology and anthropological linguistics.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 161 - Human Origins: An Introduction to Biological Anthropology (4 Credits)

An introduction to the science of biological anthropology, a sub-field of anthropology that emphasizes a focus on humanity and its origin from a biological perspective, employing laboratory components to complement and reinforce lecture materials.

Carolina Core: SCI

ANTH 201 - Anthropological Inquiry in Undergraduate Research (3 Credits)

Introduces research-based learning in anthropology from a four-field perspective. To encourage self-reflective, professional thinking and provide experience and practice in professional skills and applications in anthropology.

Graduation with Leadership Distinction: GLD: Research

ANTH 203 - Comparing Cultures Through Film (3 Credits)

Human behavior in differing cultural contexts through ethnographic films of social relations in selected societies.

ANTH 204 - Plagues Past and Present (3 Credits)

An overview of how plagues and epidemics have shaped human prehistory and history. How large-scale social transformations have produced forms of human/disease interactions. How infectious disease has been conceptualized at different times and by different cultural groups and treated as a threat to the social order.

Carolina Core: GSS

ANTH 206 - Anthropology of Magic and Religion (3 Credits)

A comparative examination of such topics as ritual, cosmology, revitalization movements, magic, witchcraft, myth, and possession.

Cross-listed course: RELG 260

ANTH 207 - Gender and Culture (3 Credits)

Anthropological study of gender, with emphasis on cross-cultural investigation of the interaction of biological, cultural, and environmental factors including intersections of race, social class, and sexuality as influences gender behavior.

Cross-listed course: WGST 207

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 208 - Anthropology of Globalization and Development (3 Credits)

Examine cross-cultural definitions and experiences of globalization and development, through topics including colonial legacies of inequality, migration, land use, economic restructuring, media, consumption, tourism, health, and participatory development.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 209 - Introduction to Folklore (3 Credits)

Folk expression as shaped by various cultures; fieldwork methodology and anthropological theory.

ANTH 210 - Human Life Cycles in Different Cultures (3 Credits)

Childhood, maturity, old age, and gender socialization within the family.

Cross-listed course: WGST 210

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 211 - Learning Across Cultures (3 Credits)

Classroom ethnography, bilingualism, cultural minorities, communication across cultural boundaries. Films, videotapes, and fieldwork in classroom settings.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 212 - Food and Culture (3 Credits)

Biological and cultural interactions affecting foodways around the world, and associated ethical issues.

Carolina Core: GSS, VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 213 - Ethnobotany: Plants and Peoples (3 Credits)

Anthropological overview of the interactions between cultures around the world and the plants that affect them, from cultural, biological, archaeological, and linguistic points of view.

Carolina Core: GSS

ANTH 214 - Drinking in Culture: Anthropology of Alcohol (3 Credits)

Cultures of alcohol production and consumption from ancient times to the present, including relationships among social roles of alcohol, technological innovations, agriculture, and economy in an anthropological perspective.

ANTH 216 - Violence and Peace: Anthropological Perspectives (3 Credits)

Violence and peace in current events, cultural practices, historical periods, and everyday experiences. The ethics shaping violence and peace-making strategies. Classroom discussions and lectures analyzing harm and wellbeing. Themes addressing the Values, Ethics, and Social Responsibility (VSR) Carolina Core component, including colonialism, environmental exploitation, bondage, mass extinctions, and racism.

Carolina Core: VSR

ANTH 219 - Great Discoveries in Archaeology (3 Credits)

Survey of key archaeological discoveries from around the world.

ANTH 221 - Forensics of Sherlock Holmes (3 Credits)

Forensic methods of Sherlock Holmes within the context of modern forensic science. Aspects of forensic science including history of the discipline, forensic pathology, entomology, print analyses, crime scene analysis, forensic anthropology, early scientific theory, and anthropological theory of Holmes.

ANTH 223 - Modernity Archaeology and the Recent Past (3 Credits)

Explores the last five centuries of world history, using artifacts and archival sources. Evidence such as probate records, bottles, and geophysical maps are analyzed to discover the age of sites and answers to questions about topics such as colonialism, race, technology, piracy, class, Native Americans, industrialization, slavery, inequality, capitalism, and gender.

ANTH 224 - Indigenous Caribbean Archaeology (3 Credits)

Historical archaeology and ethnography of the Casimiroid, Ortoiroid, Saladoid, Ostionoid, Taino and Carib indigenous culture of the Caribbean from 4,000 BC to 1524 AD. Emphasis on social complexity, religion, art and political organization to illustrate the diversity and richness of Amerindian Caribbean life until their rapid decline after European contact.

ANTH 225 - Archaeology in Film and Popular Culture (3 Credits)

Archaeological images and ideas in modern popular culture, including film and fiction.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 226 - Biblical Archaeology (3 Credits)

The fundamental elements of human culture as it relates to biblical archaeology. The defining characteristics of different kinds of society through interdependency of language and culture. The affects of modern world interests in defining / redefining this area

Cross-listed course: RELG 208

ANTH 227 - Forbidden Archaeology: Fantasies, Frauds, and Mysteries of the Human Past (3 Credits)

History and basis of several popular "fringe" ideas about the human past that utilize archaeological information: giants, Ice Age civilizations, and pre-Columbian transoceanic contact.

ANTH 228 - North American Prehistory (3 Credits)

Prehistoric anthropology in North America from the first arrival of man through the beginning of European acculturation.

ANTH 229 - Southeastern Archaeology (3 Credits)

Major cultural milestones and lifeways experienced by Indians in the archeological record of the southeastern U.S., including colonization, religion, trade, invention of pottery, and place-making.

ANTH 230 - Diversity in the United States (3 Credits)

Application of techniques and insights of social and cultural anthropology to selected cultural settings in contemporary USA.

ANTH 232 - Contemp Cultures of South Carolina (3 Credits)

Application of the methods & techniques of socio-cultural anthropology to the contemporary cultures of SC. Examination of contrasts such as low country and up country, black and white, and rich and poor as they are manifested in cultural patterns.

ANTH 234 - Caribbean Cultures (3 Credits)

Ethnographic approach to Caribbean cultures and societies. Topics include colonial histories and experience, gender and race relations, beliefs and religious life, verbal arts, literature, and Creole language.

ANTH 236 - Cultures of Africa (3 Credits)

A comparative study of ethnographic data on African cultures with emphasis upon its significance for broader anthropological theory.

ANTH 237 - Cultures of Islam (3 Credits)

Diversity of lifestyles and institutions of Islam from Morocco to Indonesia, with attention to everyday life in small communities.

ANTH 238 - Middle Eastern Cultures (3 Credits)

A consideration of selected problems in the social and cultural life of peoples in the Middle East with emphasis on non-Arab populations.

ANTH 240 - South Asian Cultures (3 Credits)

Society and culture in South Asia; economic and political institutions, kinship, and religion as they pertain to the daily lives of people in the Subcontinent. Emphasis on India. Bangladesh, Nepal, Pakistan, and Sri Lanka also included.

ANTH 241 - Southeast Asian Cultures (3 Credits)

Social and cultural patterns of the region and how they influence current developments, especially Indonesia, Thailand, Vietnam, and the Philippines.

ANTH 242 - Chinese Popular Culture (3 Credits)

An overview of Chinese popular culture with an introduction to broad anthropological frameworks concerning popular culture.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 243 - Japanese Cultures (3 Credits)

An exploration of Japanese values and the institutions that shape Japanese behavior through analysis of rural and urban community studies and how Japanese people present themselves.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Internships

ANTH 244 - American Indian Nations Today: From Hard Times to Hard Rock (3 Credits)

Contemporary Indian Country in anthropological, historical, cultural, economic, and political contexts.

Carolina Core: GSS, VSR

ANTH 260 - Planet of the Apes: Behavior and Biology (3 Credits)

A survey of field and laboratory investigations of the comparative anatomy and behavior of nonhuman primates.

ANTH 261 - Human Variation (3 Credits)

The biocultural processes of human variation.

ANTH 262 - Basic Forensic Anthropology (3 Credits)

Survey of the basic scientific methods and applications of forensic anthropology.

ANTH 263 - Medical Experimentation and the Black Body (3 Credits)

A cross-disciplinary study of how the bodies of Africans and African Americans were used in medical experimentation, starting in the late 18th century and continuing to the present.

Cross-listed course: AFAM 365

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 270 - Anthropology of Nonverbal Communication (3 Credits)

Body language, facial expressions, gestures, use of interpersonal space, and other nonverbal systems of communication and behavior in terms of pertinent theories, research methodology, findings, and cross-cultural implications.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ANTH 271 - Language and Popular Culture (3 Credits)

Linguistic anthropological study of forms of language through the lens of popular culture. Explore the ethnography of communication through play and performance, discursive and semiotic practices, and varieties of language invoked in popular cultural forms that provide resources for cultural reproduction and contestation.

Cross-listed course: LING 241

ANTH 273 - Cross-Cultural Communication (3 Credits)

This course introduces students to the fields of interactional sociolinguistics and linguistic anthropology. Students will learn how they approach the study of cross-cultural and intercultural forms of (mis)communication within the context of globally interconnected people, places, and systems of communication.

Cross-listed course: LING 273

Carolina Core: GSS

ANTH 280 - Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout (3 Credits)

Ethnographic study of the Cold War, nuclear culture, and its aftermath.

Carolina Core: GSS, VSR

ANTH 287 - Special Topics in Archaeology (3 Credits)

Topics of special interest in archaeology. May be taken more than once as topics change.

ANTH 288 - Special Topics in Biological Anthropology (3 Credits)

Topics of special interest in biological anthropology. May be taken more than once as topics change.

ANTH 289 - Special Topics in Sociocultural Anthropology (3 Credits)

Topics of special interest in sociocultural anthropology. May be taken more than once as topics change.

ANTH 290 - Special Topics in Linguistic Anthropology (3 Credits)

Topics of special interest in linguistic anthropology. May be taken more than once as topics change.

ANTH 291 - Selected Topics in Anthropology (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 292 - Disease, Health, and Social Inequities (3 Credits)

Course focuses on political and economic processes contributing to the unequal access to health and social inequalities.

ANTH 301 - Latin American Cultures (3 Credits)

Comparative study of selected Latin American cultures with emphasis on their significance for a broader anthropological theory.

Cross-listed course: LASP 311

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 303 - African-American Cultures (3 Credits)

An examination of African-American cultures in the New World.

Cross-listed course: AFAM 303

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 313 - Ethical Dilemmas in Anthropology (1 Credit)

An examination of ethical decision-making encountered in the practice of anthropology.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 318 - Material Culture (3 Credits)

Material aspects of cultures from artifact production in historical societies to contemporary industrial crafts; the cultural context of artifacts; fieldwork; relevant anthropological theories.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 319 - Principles of Archaeology (3 Credits)

Introduction to principles, methods, and theory of archaeology, including prehistoric and historic case studies.

ANTH 320 - Archaeology Theory (3 Credits)

This course charts the history of ideas in archaeology, over the past century, as a means of understanding current directions in archaeological thinking and current applications in archaeological practice.

Prerequisites: ANTH 319.

ANTH 321 - South Carolina Archaeology (3 Credits)

Prehistoric and historic archaeology of South Carolina.

ANTH 322 - Field School in Archaeology (3-6 Credits)

Archaeological field techniques, laboratory analysis and data interpretation.

Prerequisites: ANTH 319.

ANTH 323 - Field School in Ethnography (3-6 Credits)

Designing and carrying out ethnographic research including project design, data collection, analysis and description.

ANTH 324 - Ethnoarchaeology (3 Credits)

Current research on use of modern material culture in archaeological analysis.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 327 - Prehistoric Civilizations of the New World (3 Credits)

Study of Mesoamerican and South American civilizations, particularly the Mayan, Aztec, and Inca states. Processes of state formation as reflected in archaeological data.

Cross-listed course: LASP 325

ANTH 328 - Ancient Civilizations (3 Credits)

Causes for the rise and fall of several civilizations; ideological and ecological factors, unique events, and personalities versus general processes.

ANTH 331 - Mesoamerican Prehistory (3 Credits)

Cultural development and variation in Mesoamerica from the first arrival of man to the arrival of Europeans. Particular attention to cultural continuities from prehistoric times.

Cross-listed course: LASP 322

ANTH 342 - Environmental Anthropology: Cross-cultural Perspectives on Environmental Change (3 Credits)

Cross-cultural perspectives on environmental issues.

Cross-listed course: ENVR 342

ANTH 349 - Anthropology of Work (3 Credits)

Techniques, customs, verbal expressions, and expressive styles of workers in a variety of occupational cultures.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 350 - Anthropology & Development (3 Credits)

An examination of political and economic change in contemporary peasant communities.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 351 - The Family in Cross-Cultural Perspective (3 Credits)

Kinship, systems of descent, marriage, and domestic organization in different cultures. Variations in childrearing practices, gender, and other aspects of social relations in kin groups.

Cross-listed course: WGST 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 353 - Anthropology of Law and Conflict (3 Credits)

Understanding human behavior through the examination of cultural norms, mechanisms of social control, and social conflict.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 355 - Language, Culture, and Society (3 Credits)

Language in its social setting. The relationship between linguistic categories and culture categories. Language and cognition.

Cross-listed course: LING 340

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 356 - Anthropology of Art (3 Credits)

Sculpture, drama, ceramics, weaving, music, and other arts from tribal societies will be discussed in terms of the religious, social, and aesthetic principles that underlie their production, use, and interpretation.

ANTH 357 - Psychological Anthropology (3 Credits)

Cultural differences and pan-cultural similarities in such psychological features as personality and cognition.

ANTH 359 - Theories of Culture (3 Credits)

Theory and practice of ethnology/sociocultural anthropology, based on a wide range of simple and complex societies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 360 - Anthropology of Sex (3 Credits)

An overview of human sexuality in different cultures in regions across the globe; an examination of anthropological frameworks for sexuality that draws on historical and modern cultural conceptions.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 361 - Becoming Human (3 Credits)

The processes of hominoid development with a review of the basic principles of physical and behavioral evolution using the fossil record and the evolving ecological and psychosocial contexts.

ANTH 366 - Medicine, Disease, and Slavery (3 Credits)

An interdisciplinary study of the health of enslaved African Americans during the nineteenth century by focusing on the conceptions, experiences, and dynamics of the relationship between slaves, medicine, healing, and their masters in the Antebellum American South.

Cross-listed course: AFAM 366

ANTH 371 - Ethnography of Communication (3 Credits)

Ethnographic analysis of communication in human groups and institutions.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 373 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: LING 300, PSYC 470

ANTH 374 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: LING 474, PSYC 474

ANTH 381 - Gender and Globalization (3 Credits)

Examines the dialectic between globalization and the social construction of gender. Topics include the global assembly line, transnational markets for domestic labor and sex workers, and global feminist alliances.

Prerequisites: C or better in ANTH 102 or WGST 112.

Cross-listed course: WGST 381

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 388 - Cultures, Pregnancy, and Birth (3 Credits)

Anthropological study of pregnancy and birth with a cross-cultural focus comparing the United States to other nations. Examination of cultural factors such as prenatal care, dietary practices, taboos, birth location, practitioners, and birthing styles.

Cross-listed course: WGST 388

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 391 - Selected Topics in Anthropology (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 392 - Global Women's Health (3 Credits)

This course examines health concerns important to the lives of women around the world through an overview of contemporary issues and challenges in the field of global health, broadly construed.

Cross-listed course: WGST 392

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 396 - Toxic Environments and Invisible Harms (3 Credits)

An anthropological approach to the study of environmental health, toxicity, and environmental injustice in comparative context.

ANTH 399 - Independent Study (3-6 Credits)

Graduation with Leadership Distinction: GLD: Research

ANTH 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: AFAM 442, ENGL 457, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 497 - Internship in Anthropology (3 Credits)

Supervised internship/experiential learning experience relevant to one of the four fields of anthropology.

Prerequisites: C or better in ANTH 102; C or better in ANTH 101 or ANTH 161.

ANTH 498 - Senior Thesis (3 Credits)

Directed research resulting in a written report.

Prerequisites: GPA of 3.00.

Graduation with Leadership Distinction: GLD: Research

ANTH 499 - In the Tradition of Anthropology (3 Credits)

A seminar synthesizing the major with an examination of anthropology as a field of inquiry.

ANTH 512 - Gender Issues in China (3 Credits)

Anthropology of gender in Chinese-speaking cultures in Chinese-speaking Asia.

ANTH 513 - Anthropological Ethnobotany (3 Credits)

Survey of how each anthropological subfield studies the interrelationships between plants and peoples. Application of methods, including interviewing and data analysis.

ANTH 515 - Tradition and Transformations in Islamic Cultures (3 Credits)

Islam as a dynamic cultural tradition: emphasis on the tension between Islamization and the larger Islamic tradition.

Cross-listed course: RELG 551

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

ANTH 517 - An Anthropological View of Blacks in Film (3 Credits)

Cultural representations, constructions, production, and consumption of African-American identity in the popular culture medium of feature films.

Cross-listed course: AFAM 517

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 518 - Visual Cultures (3 Credits)

Survey of visual anthropology including theoretical frameworks of ways of seeing, ethnographic photography and filmmaking, contemporary technologies, and their effects on culture.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 520 - Field Problems in Ethnology (6 Credits)

A two-semester class and field session. Research design, field methods, interpretation of data, and the development of theory from the data.

ANTH 525 - Ethnoecology (3 Credits)

Seminar exploring human-plant-animal-natural interactions within an anthropological framework.

ANTH 533 - North American Archaeology (3 Credits)

Prehistoric and historic archaeology.

ANTH 534 - Prehistoric Archaeology of South America (3 Credits)

Prehistoric archaeology of the South American continent.

Cross-listed course: LASP 425

ANTH 535 - Conflict Archaeology (3 Credits)

Anthropological and archaeological theories and methods in the study of conflict, war, and warfare. Causes, effects, outcomes of sustained social acts of violence of groups, tribes, states, and nations. Evolutionary, biological, social origins of warfare. History, strategy, and tactics, battlefield archaeology.

ANTH 536 - Public Archaeology (3 Credits)

Philosophy and mechanics of modern archaeological Cultural Resource Management (CRM). CRM legislation, regulation, and process. Contemporary issues and problems in Public Archaeology including Native American reburial negotiations, conflict resolution, ethics, looting, business practices, standards, contexts and protection.

ANTH 541 - Field Problems in Archaeology (3 Credits)

Archaeological field methods and techniques such as excavation, flotation, sampling, surveying, photography, and remote sensing.

Prerequisites: ANTH 320.

ANTH 546 - Forensic Archaeological Recovery (FAR) (3 Credits)

Introduction to Forensic Archaeological Recovery (FAR). Concepts, methods, and contemporary issues.

ANTH 550 - Archaeological Laboratory Methods (3 Credits)

Laboratory on basic prehistoric and historic artifact analysis, including analytical methods, laboratory equipment, and data interpretation. May be repeated.

Prerequisites: ANTH 319 or ANTH 322.

ANTH 551 - Medical Anthropology: Fieldwork (3 Credits)

Application of observation techniques, field notes, informant interviewing, and secondary data analysis to interpreting differential perceptions of health problem solving in the community and clinic.

ANTH 552 - Medical Anthropology (3 Credits)

Socio-cultural factors in health, illness, healing, and in medical systems. Cross-cultural and ethnographic evidence for public health research and program applications.

Cross-listed course: HPEB 552

Graduation with Leadership Distinction: GLD: Research

ANTH 553 - Anthropological Approaches to Narrative and Performance (3 Credits)

The ways people from various cultures reflect on, reinforce, and construct their social realities through narrating, which will be considered as both artistic expression and social action.

Cross-listed course: LING 545

ANTH 555 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: LING 541, WGST 555

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 556 - Language and Globalization (3 Credits)

Anthropological approach to issues of language and globalization. Linguistic consequences of globalization under consideration include communicative patterns, linguistic change, and language and political economy.

Cross-listed course: LING 556

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 557 - Psychological Anthropology (3 Credits)

Psychological aspects of behavior from a cross-cultural perspective.

ANTH 561 - Human Osteology (4 Credits)

An intensive examination of the human skeleton and techniques for anthropological interpretation.

ANTH 565 - Health and Disease in the Past (3 Credits)

Varieties and effects of disease patterns among past populations illustrating biological, environmental, and cultural interrelationships.

ANTH 567 - Human Identification in Forensic Anthropology (3 Credits)

Theories and methodologies necessary for the identification of human skeletal remains in a forensic setting.

ANTH 568 - Nutritional Anthropology (3 Credits)

Nutritional problems in developing nations. Measures of nutritional status. Social, economic, and environmental aspects of food consumption and nutrition. Biocultural responses to food deprivation and undernutrition.

ANTH 569 - International Development and the Environment (3 Credits)

Intersections of international development and environmental change; study of general theoretical perspectives balanced with case studies from the Global South.

Cross-listed course: GEOG 569

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

ANTH 570 - Ethnographic Film (3 Credits)

Problems in conveying and interpreting ethnographic information on film or tape. Includes syntax, suitability of subject matter to the medium, irrelevant or distracting information, and observer bias.

ANTH 572 - Temporal Processes in Culture (3 Credits)

Clocks, cycles, and contingencies as they affect human societies now and have done so in the past. Theories and models from biology and the other natural sciences will be used to interpret the history of culture.

ANTH 575 - Economic Anthropology (3 Credits)

A cross-cultural study of the economic behavior of pre-literate and literate societies.

ANTH 576 - Archaeology of the African Diaspora (3 Credits)

Foodways, architecture, crafts, and narrative of African-American cultures.

ANTH 577 - Advanced Topics in the Anthropological Study of Social Organization (3 Credits)

Selected recent theoretical and methodological developments in the study of social organization.

ANTH 579 - Cultural Ecology (3 Credits)

An interdisciplinary approach to prehistoric, historic, and contemporary relationships between the development of socio-cultural configurations and ecosystems.

ANTH 580 - Culture and Identity in the African Diaspora (3 Credits)

Students will explore the African Diaspora as a social, cultural, and historical formation with Africa at its center, focusing on US, Latin American, and Caribbean African-descended communities.

Cross-listed course: AFAM 580

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 581 - Globalization and Cultural Questions (3 Credits)

This course examines cultural understandings of and responses to globalization, examining topics such as its history and theories, migration, economic integration and inequality, identity, social movements, and the environment.

Cross-listed course: GEOG 581

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 586 - Discourse, Gender, and Politics of Emotion (3 Credits)

Anthropological approach to issues of discourse, gender, and emotion. Issues under consideration include the social control, force, and forms of emotional discourse and the relationship between emotion and culture from gender-oriented perspectives.

Cross-listed course: LING 543

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 591 - Selected Topics (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 600 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ENGL 680, LING 600

ANTH 699 - Reading and Research (3-6 Credits)

Anthropology Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
ANTH 101 or ANTH 161	Primates, People, and Prehistory Human Origins: An Introduction to Biological Anthropology	3
ANTH 102	Understanding Other Cultures	3
Additional Courses		
Select four courses at the 200-level or above		12
Total Credit Hours		18

Note: In certain cases ANTH 101/ANTH 161 or ANTH 102 can be exempted by permission of the Undergraduate Director in the Department and replaced with two other anthropology courses.

Anthropology, B.A. Learning Outcomes

1. Students will demonstrate their knowledge of the four sub-fields of anthropology, and central themes in the sub-fields. These themes

include: 1) the biological and cultural changes that occurred in human prehistory and history 2) cultural diversity worldwide and throughout time 3) relationships between aspects of human life, such as biology, cultural beliefs, material culture, and language and 4) the dynamics at work in different components of cultural systems (e.g. kinship).

- Students will communicate in written form about anthropological themes and topics in a variety of different and appropriate writing styles including research papers, projects, reaction papers, and essay exams. In their writing, students will analyze human situations from an anthropological perspective, and will recognize and evaluate different theories and methods in anthropology.
- Students will demonstrate general techniques of anthropological research and recognize the importance of the principles of anthropological ethics in conducting research. This research will include basic library and internet research, and in some cases, will include data collection and analysis through "hands on" training.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

- Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
- Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	31-46
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a

requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Choose 1 of the following to fulfill a Carolina Core requirement:

- ANTH 101*
- ANTH 161*

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - ANTH 102*
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (31-46 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. Additional majors must include all major courses as well as **any prescribed courses noted (*) in the bulletin**. Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences

(p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (13-34 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 7-28 hours of electives will be needed to reach hours to graduate if completing the B.A. with Distinction.

4. Major Requirements (27 hours)

A minimum grade of C is required in all major courses.

Any course taken to fulfill a major requirement may not also fulfill a Carolina Core requirement.

Major Courses (12 hours)

Course	Title	Credits
Select one course from Biological Anthropology:		3
ANTH 204	Plagues Past and Present	
ANTH 221	Forensics of Sherlock Holmes	
ANTH 260	Planet of the Apes: Behavior and Biology	
ANTH 261	Human Variation	
ANTH 262	Basic Forensic Anthropology	
ANTH 263	Medical Experimentation and the Black Body	
ANTH 288	Special Topics in Biological Anthropology	
ANTH 361	Becoming Human	
ANTH 366	Medicine, Disease, and Slavery	
ANTH 561	Human Osteology	
ANTH 565	Health and Disease in the Past	
ANTH 567	Human Identification in Forensic Anthropology	

ANTH 568	Nutritional Anthropology	
Select one course from Archaeology:		3
ANTH 219	Great Discoveries in Archaeology	
ANTH 223	Modernity Archaeology and the Recent Past	
ANTH 224	Indigenous Caribbean Archaeology	
ANTH 225	Archaeology in Film and Popular Culture	
ANTH 226	Biblical Archaeology	
ANTH 227	Forbidden Archaeology: Fantasies, Frauds, and Mysteries of the Human Past	
ANTH 228	North American Prehistory	
ANTH 229	Southeastern Archaeology	
ANTH 287	Special Topics in Archaeology	
ANTH 319	Principles of Archaeology	
ANTH 320	Archaeology Theory	
ANTH 321	South Carolina Archaeology	
ANTH 322	Field School in Archaeology	
ANTH 324	Ethnoarchaeology	
ANTH 327	Prehistoric Civilizations of the New World	
ANTH 331	Mesoamerican Prehistory	
ANTH 328	Ancient Civilizations	
ANTH 533	North American Archaeology	
ANTH 534	Prehistoric Archaeology of South America	
ANTH 535	Conflict Archaeology	
ANTH 536	Public Archaeology	
ANTH 541	Field Problems in Archaeology	
ANTH 546	Forensic Archaeological Recovery (FAR)	
ANTH 550	Archaeological Laboratory Methods	
ANTH 576	Archaeology of the African Diaspora	
Select one course from Linguistic Anthropology:		3
ANTH 270	Anthropology of Nonverbal Communication	
ANTH 271	Language and Popular Culture	
ANTH 273	Cross-Cultural Communication	
ANTH 290	Special Topics in Linguistic Anthropology	
ANTH 355	Language, Culture, and Society	
ANTH 371	Ethnography of Communication	
ANTH 373	Introduction to Language Sciences	
ANTH 374	Cognitive and Social Aspects of Bilingualism	
ANTH 442	African-American English	
ANTH 553	Anthropological Approaches to Narrative and Performance	
ANTH 555	Language and Gender	
ANTH 556	Language and Globalization	
ANTH 586	Discourse, Gender, and Politics of Emotion	
Select one course from Sociocultural Anthropology:		3
ANTH 203	Comparing Cultures Through Film	
ANTH 206	Anthropology of Magic and Religion	
ANTH 207	Gender and Culture	
ANTH 209	Introduction to Folklore	
ANTH 212	Food and Culture	
ANTH 213	Ethnobotany: Plants and Peoples	
ANTH 216	Violence and Peace: Anthropological Perspectives	
ANTH 230	Diversity in the United States	
ANTH 303	African-American Cultures	
ANTH 232	Contemp Cultures of South Carolina	
ANTH 234	Caribbean Cultures	
ANTH 236	Cultures of Africa	
ANTH 237	Cultures of Islam	
ANTH 238	Middle Eastern Cultures	
ANTH 240	South Asian Cultures	
ANTH 241	Southeast Asian Cultures	
ANTH 242	Chinese Popular Culture	
ANTH 243	Japanese Cultures	
ANTH 244	American Indian Nations Today: From Hard Times to Hard Rock	
ANTH 280	Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout	
ANTH 289	Special Topics in Sociocultural Anthropology	
ANTH 292	Disease, Health, and Social Inequities	
ANTH 301	Latin American Cultures	
ANTH 342	Environmental Anthropology: Cross-cultural Perspectives on Environmental Change	
ANTH 349	Anthropology of Work	
ANTH 350	Anthropology & Development	
ANTH 351	The Family in Cross-Cultural Perspective	
ANTH 353	Anthropology of Law and Conflict	
ANTH 356	Anthropology of Art	
ANTH 359	Theories of Culture	
ANTH 360	Anthropology of Sex	
ANTH 381	Gender and Globalization	
ANTH 388	Cultures, Pregnancy, and Birth	
ANTH 392	Global Women's Health	
ANTH 396	Toxic Environments and Invisible Harms	
ANTH 512	Gender Issues in China	
ANTH 515	Tradition and Transformations in Islamic Cultures	
ANTH 517	An Anthropological View of Blacks in Film	
ANTH 518	Visual Cultures	
ANTH 552	Medical Anthropology	
ANTH 572	Temporal Processes in Culture	
ANTH 579	Cultural Ecology	
ANTH 580	Culture and Identity in the African Diaspora	
ANTH 581	Globalization and Cultural Questions	
Total Credit Hours		12
Major Electives (15 hours)		
<ul style="list-style-type: none"> • Select one course from the ANTH 500-level • Select an additional 12 hours from ANTH 200-level or above 		
<p>Note: Selection of major courses must include at least one of the following courses: ANTH 261, ANTH 319, ANTH 320, ANTH 355, ANTH 366, ANTH 371, ANTH 381, ANTH 518 or ANTH 581.</p>		
B.A. with Distinction (33 hours)		
<p>Departmental Undergraduate Research Track/Intensive Major is available to students majoring in Anthropology who wish to participate in significant research activities in collaboration with, or under the supervision of, a faculty mentor.</p>		

Major Courses (21 hours)

- Select **one** course from **Biological Anthropology** (3 hours)
- Select **one** course from **Archaeology** (3 hours)
- Select **one** course from **Linguistic Anthropology** (3 hours)
- Select **one** course from **Sociocultural Anthropology** (3 hours)
- Select **one** **Fieldschool, Laboratory, Practicum, Qualitative Methodology or Quantitative Methodology** course (3 hours)
- ANTH 201 **OR** an additional 500-level course (3 hours)
- ANTH 498 (3 hours)

Major Electives (12 hours)

- Select **two** courses from the ANTH 500-level (6 hours)
- Select an additional 6 hours from ANTH 200-level or above

Note: Selection of major courses must include at least one of the following courses: ANTH 261, ANTH 319, ANTH 320, ANTH 355, ANTH 366, ANTH 371, ANTH 381, ANTH 518 or ANTH 581.

Additional Requirements

- A minimum major GPA of 3.30.
- A minimum cumulative GPA of 3.30.
- Public presentation of the Senior Thesis in a venue approved by the faculty mentor, such as:
 - Annual meeting of the Southern Anthropological Society (or another annual meeting of the appropriate professional organization)
 - A regular or special session of the Department of Anthropology Colloquium Series
 - UofSC Discovery Day
 - Submission to a professional journal
- A written sponsorship agreement from the faculty mentor to be placed on file in the Department of Anthropology office.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Anthropology, B.A.

Medical Anthropology Minor

The Medical Anthropology minor develops students' understanding of health from the perspective of human cultural and biological diversity, preparing them for careers in global health.

Admission Requirements

- The minor is *not open* to Anthropology majors
- At least 15 hours used in the minor must be earned at UofSC within the Department of Anthropology

Requirements

The minor in Medical Anthropology consists of **18 credit hours or 6 classes**.

Departmental or Honors College special topics courses or field schools related to medical anthropology may fulfill the restricted electives requirement, provided that the course substitutions are pre-approved by the office of the Dean of Undergraduate Student Affairs and Advising in Flinn Hall in consultation with faculty content experts in the Department of Anthropology; bring a syllabus to Flinn Hall for the course you want pre-approved. Appeals to register in pre-approved honors college courses should be directed to the Honors College.

Course	Title	Credits
Required Courses		
ANTH 102	Understanding Other Cultures ¹	3
ANTH 292	Disease, Health, and Social Inequities	3
ANTH 392	Global Women's Health	3
ANTH 551	Medical Anthropology: Fieldwork	3
ANTH 552	Medical Anthropology	3
Restricted Electives		
Select one of the following:		3
ANTH 210	Human Life Cycles in Different Cultures	
ANTH 212	Food and Culture	
ANTH 262	Basic Forensic Anthropology	
ANTH 263	Medical Experimentation and the Black Body	
ANTH 280	Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout	
ANTH 561	Human Osteology	
Total Credit Hours		18

¹ ANTH 102 may not also fulfill the Carolina Core GSS component

Biological Sciences

Department Website (<http://www.biol.sc.edu/>)

Tammi Richardson, *Chair*

The Department of Biological Sciences offers a Bachelor of Science degree with a major in biological sciences.

Programs

- Biological Sciences, B.S. (p. 38)
- Biology Minor (p. 40)

Courses

BIOL 101 - Biological Principles I (3 Credits)

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology.

Carolina Core: SCI

BIOL 101A - Biological Principles I (3 Credits)

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology. Three lecture hours per week. Restricted to students who have credit for BIOL 101L but lack the lecture.

Prerequisites: BIOL 101L.

BIOL 101L - Biological Principles I Laboratory (1 Credit)

(Recommended concurrent with BIOL 101). Experimental examination of basic principles of cell biology, genetics and metabolism. Three hours per week.

Carolina Core: SCI

BIOL 102 - Biological Principles II (3 Credits)

Introductory survey of plant and animal development, physiology, ecology, and evolution.

Corequisite: BIOL 102L.

Carolina Core: SCI

BIOL 102A - Biological Principles II (3 Credits)

Introductory survey of plant and animal development, physiology, ecology, and evolution. Three lecture hours per week. Restricted to students who have credit for BIOL 102L but lack the lecture.

Prerequisites: BIOL 102L.

BIOL 102L - Biological Principles II Laboratory (1 Credit)

Experimental examination of structure and function of plant and animal systems, biodiversity, ecology. BIOL 101, 102, 101L and 102L must be completed prior to enrolling in 300-level or above Biology courses.

Corequisite: Recommended concurrent with BIOL 102.

Carolina Core: SCI

BIOL 110 - General Biology (4 Credits)

Basic biological concepts and issues for non-biology majors. Credit may not be given for both this course and BIOL 120. Three lecture, two laboratory hours per week.

Carolina Core: SCI

BIOL 110A - General Biology (Audio-Tutorial) (1 Credit)

Addendum to BIOL 110.

BIOL 120 - Human Biology (3 Credits)

Fundamental principles of human biology. Credit may not be given for both BIOL 110 and BIOL 120. Three lecture hours per week. Not for major credit.

Carolina Core: SCI

BIOL 120L - Laboratory in Human Biology (1 Credit)

Exercises dealing with basic concepts of human biology. Not for major credit.

Prerequisite or Corequisite: BIOL 120.

Carolina Core: SCI

BIOL 200 - Plant Science (3 Credits)

An introduction to plant science for the non-major. This course does not carry major credit, and is not designed as a prerequisite for other biology courses. Plant development, physiology, genetics, evolution, and ecology will be considered. Three lecture hours per week.

BIOL 200L - Plant Science Laboratory (1 Credit)

Laboratory exercises, demonstrations, and audio-visual supplements to BIOL 200. Not for major credit. Two hours per week.

Prerequisite or Corequisite: BIOL 200.

BIOL 202 - Infectious Diseases, Human Health, and Ethics (3 Credits)

An introduction to pathogens including bacteria, viruses, and protozoans. Basic elements of the immune system coupled with discussion of how pathogens cause disease. This information is placed in the context of how scientific research leads to the discovery, treatment, and prevention of the disease. The ethical implications of each pathogen and its treatment strategies are discussed.

Carolina Core: SCI, VSR

BIOL 206 - Genetics and Society (3 Credits)

(Designed for non-major students.) Genetic principles, emphasizing human heredity. Relevance of recent advances in genetics. Three lecture hours per week.

Carolina Core: SCI

BIOL 208 - Our Hungry World from Malthus to McDonalds (3 Credits)

Scientific and social issues concerning the interrelationship of culture and agricultural biotic diversity and technology, climate change, resources management, food security, and human health.

Carolina Core: SCI, VSR

BIOL 220 - Elementary Life Science (4 Credits)

This course will ensure that elementary education majors will understand the fundamental concepts of Biology. Cannot be used for biology major credit.

BIOL 232 - Anatomy (3 Credits)

Functional anatomy of the human body and its relation to disease processes. Not for biology major credit.

BIOL 232L - Anatomy Laboratory (1 Credit)

The principles of anatomy as demonstrated by microscopic studies and animal dissection. Three hours per week.

Corequisite: BIOL 232.

BIOL 240 - Applied Human Physiology (3 Credits)

Fundamentals of functional human biology and knowledge of contemporary medical problems. Not for major credit.

BIOL 242 - Human Physiology (4 Credits)

Functional biology of organ systems in the maintenance of the whole organism; homeostatic relationships. Not available for biology major credit. Three lecture and three laboratory hours per week.

Prerequisites: BIOL 232.

BIOL 243 - Human Anatomy and Physiology I (3 Credits)

Functional anatomy and physiology of the human body, including the integumentary, skeletal, muscular, and nervous systems. Not available for biology major credit. Three lecture hours per week.

Carolina Core: SCI

BIOL 243L - Human Anatomy and Physiology Laboratory (1 Credit)

The principles of anatomy and physiology as demonstrated by microscopic studies, animal dissection, and physiological experiments. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 243.

Carolina Core: SCI

BIOL 244 - Human Anatomy and Physiology II (3 Credits)

Functional anatomy and physiology of the human body, including the cardiovascular, endocrine, excretory, reproductive, digestive, and respiratory systems. Not available for biology major credit. Three lecture hours per week.

Prerequisites: BIOL 243.

Carolina Core: SCI

BIOL 244L - Human Anatomy and Physiology Laboratory (1 Credit)

A continuation of BIOL 243L. One three-hour laboratory per week.

Corequisite: BIOL 244

Carolina Core: SCI

BIOL 250 - Microbiology (3 Credits)

An introduction to bacteria and viruses, emphasizing structure, metabolism, and pathogenesis. Discussion of infectious diseases, antigen-antibody relationships, and anti-microbial agents in chemotherapy. Not available for biology major credit. Three lecture hours per week.

Prerequisites: College-level Biology and Chemistry.

BIOL 250L - Microbiology Laboratory (1 Credit)

Not available for biology major credit. Three hours per week.

Prerequisite or Corequisite: BIOL 250.

BIOL 260 - Physiology (3 Credits)

Physiology of human systems especially susceptible to disturbance: immunobiology, circulation, excretion, metabolism, endocrinology, and muscle physiology. Not for biology major credit. Intended for pharmacy students.

Prerequisites: BIOL 102.

BIOL 270 - Introduction to Environmental Biology (3 Credits)

Basic ecological principles and the impacts of human population growth and technology. Not for major credit.

Carolina Core: SCI

BIOL 270L - Introduction to Environmental Biology Laboratory (1 Credit)

Demonstrations, data analyses, discussions, and films relating to human ecology, resource use, and environmental impact. Not for major credit. Two hours per week.

Prerequisite or Corequisite: BIOL 270.

Carolina Core: SCI

BIOL 301 - Ecology and Evolution (3 Credits)

Concepts of evolution, populations, and population interactions; communities and ecosystems. Three lecture hours per week.

Prerequisites: BIOL 102 or MSCI 311.

Graduation with Leadership Distinction: GLD: Research

BIOL 301L - Ecology and Evolution Laboratory (1 Credit)

Experiments, exercises, and demonstrations. Three hours per week.

Prerequisite or Corequisite: BIOL 301.

BIOL 302 - Cell and Molecular Biology (3 Credits)

Principles of eukaryotic cell structure, molecular organization, and physiology. Genome organization and expression. Cell growth, division, and cell-cell interactions.

Prerequisites: C or better in BIOL 101; C or better in BIOL 102 or MSCI 311; C or better in CHEM 112.

Graduation with Leadership Distinction: GLD: Research

BIOL 302L - Cell and Molecular Biology Laboratory (1 Credit)

Experiments, exercises, and demonstrations. Three hours per week.

Prerequisite or Corequisite: BIOL 302.

Experiential Learning: Experiential Learning Opportunity

BIOL 303 - Fundamental Genetics (3 Credits)

Basic principles of transmission and molecular genetics; quantitative inheritance; recombination; biochemical aspects of gene function and regulation; developmental genetics and population genetics. Three lecture hours per week.

Prerequisites: C or better in BIOL 101 and BIOL 102 or a C or better in MSCI 311.

BIOL 303L - Fundamental Genetics Laboratory (2 Credits)

Observational and experimental examination of principles of genetics and inheritance.

Prerequisites: C or better in BIOL 101, BIOL 101L, BIOL 102, and BIOL 102L or a C or better in MSCI 311.

Prerequisite or Corequisite: BIOL 303.

Experiential Learning: Experiential Learning Opportunity

BIOL 351 - Introduction to Animal Science (3 Credits)

Exploration of current careers in the animal industry including a brief overview of the sciences involved in animal production such as genetics and selection, behavior, physiology, reproduction, and nutrition of cattle (beef and dairy), horses, swine, sheep, poultry, and others.

Prerequisites: C or better in BIOL 102.

BIOL 398 - Laboratory Teaching Experience (1 Credit)

Participation in preparation and teaching of undergraduate biological sciences laboratories.

Experiential Learning: Experiential Learning Opportunity

BIOL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

BIOL 405 - Cellular and Molecular Neurobiology (3 Credits)

Cellular and molecular mechanisms underlying the development and functions of the nervous system, such as nervous system patterning, neuronal differentiation/migration, formation of neuronal projections, development of synapses, apoptosis, refinement of neuronal circuits, and how cells and neurons respond to signals from the environment.

Prerequisites: BIOL 302.

BIOL 415 - Comparative Vertebrate Anatomy (4 Credits)

Phylogenetic and comparative aspects of anatomy, reproduction, and embryology of the vertebrates. Three lecture hours and one three-hour laboratory period per week.

Prerequisites: BIOL 102 or MSCI 311.

BIOL 420 - Survey of the Plant Kingdom (3 Credits)

Phylogenetic survey of the major plant divisions; consideration of the structure and development of flowering plants.

Prerequisites: BIOL 301.

BIOL 420L - Survey of the Plant Kingdom Laboratory (1 Credit)

Three hours per week.

Prerequisite or Corequisite: BIOL 420.

BIOL 423 - Medicinal Botany (3 Credits)

A survey of plants affecting human health and how they are used historically and in modern times, with emphasis on the biologically active constituents.

Prerequisites: C or better in BIOL 301 and BIOL 302.

BIOL 425 - Plant Form and Function (3 Credits)

Basic introduction to plants, including cellular biology, energetics, structure-function relationships, development, nutrition, and diversity.

Prerequisites: BIOL 302.

BIOL 425L - Plant Form and Function Laboratory (1 Credit)

Illustration of principles of introductory botany and plant physiology using experiments, exercises, and demonstrations. Three laboratory hours per week.

Prerequisite or Corequisite: BIOL 425.

BIOL 450 - Principles of Biological Oceanography (3 Credits)

Principles and methods of measuring production in the sea. Emphasis on the ocean's role in the global carbon budget. Three lecture hours per week. Scheduled field trips are required.

Prerequisites: MSCI 311, BIOL 301.

Cross-listed course: MSCI 450

BIOL 460 - Advanced Human Physiology (3 Credits)

Functional physiology of human organ systems.

Prerequisites: BIOL 302 or MSCI 311 with a grade of C or better.

BIOL 460L - Advanced Human Physiology Laboratory (1 Credit)

Experiments on organ system functions using different animal models.

Prerequisite or Corequisite: BIOL 460 (with a grade of D or better if used as a prerequisite).

BIOL 461 - Advanced Human Anatomy (3 Credits)

Structure, function, and development of human anatomy.

Prerequisites: Any two of BIOL 301, BIOL 302, or BIOL 303 with a grade of C or better.

BIOL 461L - Advanced Human Anatomy Laboratory (1 Credit)

Practical exercises in structure, function, and development of anatomy using digital and animal models.

Prerequisite or Corequisite: BIOL 461 (with a grade of D or better if used as a prerequisite).

BIOL 462 - Advanced Microbiology (3 Credits)

The taxonomy, morphology, metabolism, genetics, and ecology of microorganisms.

Prerequisites: C or better in BIOL 302.

BIOL 462L - Advanced Microbiology Laboratory (1 Credit)

Practical exercises with the taxonomy, morphology, metabolism, genetics, and ecology of microorganisms.

Prerequisite or Corequisite: D or better in BIOL 462.

BIOL 465 - Domestic Animal Nutrition (3 Credits)

Elements of nutrition and animal feeding in veterinary practice. Three lecture hours per week.

Prerequisites: BIOL 302.

BIOL 497 - Undergraduate Seminar in Biological Sciences (1 Credit)

Student seminars and a survey of research in the fields of Biological Sciences.

Prerequisites: BIOL 301, BIOL 302, and BIOL 303, or Instructor's Permission

BIOL 498 - Biological Research: An Introduction (4 Credits)

Methodologies of biological research with emphasis on hypothesis formation, research design, and data collection, and current issues in biology. Two lecture and six laboratory hours per week.

Prerequisites: one 300-level or higher biological laboratory.

Graduation with Leadership Distinction: GLD: Research

BIOL 502 - Environmental Microbiology (3 Credits)

An overview of the microbial world including a survey of the distribution, functioning, and diversity of microorganisms in natural systems.

Discusses the crucial roles that microorganisms play in ecosystem function, biogeochemical cycles, and environmental quality.

Prerequisites: MSCI 102 or BIOL 102, CHEM 112.

Cross-listed course: MSCI 503

BIOL 505 - Developmental Biology (3 Credits)

An introduction to how cell-cell communication, gene expression, cell division, cytoskeletal dynamics, and interactions with the extracellular matrix result in the differentiation, pattern formation, morphogenesis, and growth necessary to generate a new individual.

Prerequisites: C or better in BIOL 302.

BIOL 505L - Developmental Biology Laboratory I (1 Credit)

Descriptive and experimental exercises related to embryology. One three-hour laboratory per week.

Corequisite: BIOL 505.

BIOL 506 - Developmental Biology II (3 Credits)

Molecular aspects of development from gamete formation through tissue and organ differentiation in plants and animals. Three lecture hours per week.

Prerequisites: BIOL 505.

BIOL 506L - Developmental Biology Laboratory II (1 Credit)

A series of experimentally oriented laboratory exercises will be performed. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 506.

BIOL 510 - Invertebrate Zoology (4 Credits)

Phylogenetic and comparative aspects of anatomy, physiology, reproduction, and embryology of the invertebrates.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 510

Graduation with Leadership Distinction: GLD: Research

BIOL 523 - Plant Development (3 Credits)

Descriptive and molecular examination of the processes and mechanisms used by plants in organogenesis, differentiation, and morphogenesis. Three lecture hours per week.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 523L - Plant Developmental Laboratory (1 Credit)

Experiments utilizing a genetic approach to the study of plant development. Three laboratory hours per week.

Corequisite: BIOL 523.

BIOL 524 - Mycology (4 Credits)

Taxonomy and morphology of fungi; cultivation, life histories, and economic importance; all classes and major orders considered. Three lecture hours per week.

Prerequisites: BIOL 301.

BIOL 525 - Marine Plants (4 Credits)

Diversity, distribution, physiology, ecology, evolution, and economic importance of marine algal, seagrass, and mangrove communities. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 525

BIOL 526 - The Fall Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 527 - The Spring Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 528 - The Summer Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 530 - Histology (4 Credits)

An introduction to the tissues that make up the human body. The microscopic anatomy of tissues is examined and discussed in terms of function and physiology. Three lecture hours and four laboratory hours per week.

BIOL 531 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance. Three lecture and three laboratory hours per week.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: ENHS 661, EPID 661

BIOL 534 - Animal Behavior (3 Credits)

A comparative survey of behavior patterns of animals from protists to humans and the physiological mechanisms underlying behavior.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 534L - Animal Behavior Laboratory (1 Credit)

Observational and experimental methods used in classifying animal behavior patterns and in determining underlying control mechanisms. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 534.

BIOL 535 - Fishery Management (3 Credits)

Management and conservation of aquatic and marine resources, with emphasis on fisheries. Data procurement and analysis; commercial and recreational fisheries; sociological, political, legal, and environmental factors that affect fishery management; and fish biodiversity.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 535

BIOL 536 - Ichthyology (4 Credits)

Phylogeny, morphology, behavior, and ecology of fishes. Three lecture and 3 laboratory hours plus three field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 536

Graduation with Leadership Distinction: GLD: Research

BIOL 537 - Aquaculture (3 Credits)

Introduction to the practical and scientific aspects of the commercial culture of freshwater and marine organisms. Three lecture hours per week. One all-day field trip required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 537

BIOL 538 - Behavior of Marine Organisms (4 Credits)

The identification of behavioral adaptations of estuarine and marine organisms: their ecology, physiology, development, and evolutionary history; field observations.

Prerequisites: BIOL 101 and BIOL 102 or MSCI 311.

Cross-listed course: MSCI 538

Graduation with Leadership Distinction: GLD: Research

BIOL 541 - Biochemistry (3 Credits)

Description of biological macromolecules and major metabolic pathways.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: CHEM 550

BIOL 541L - Biochemistry Laboratory (1 Credit)

Experiments and demonstrations illustrating the principles of biochemistry. Three laboratory hours per week.

Prerequisite or Corequisite: C or higher in CHEM 550 or BIOL 541 or CHEM 555 or BIOL 545.

Cross-listed course: CHEM 550L

BIOL 543 - Comparative Physiology (3 Credits)

An integrative and comparative study of the structure, function, and evolution of the physiological systems of animals. Three lecture hours per week.

Prerequisites: BIOL 302 or MSCI 311.

BIOL 543L - Comparative Physiology Laboratory (1 Credit)

Laboratory exercises to illustrate principles from BIOL 543. Three hours per week.

Corequisite: BIOL 543.

BIOL 545 - Biochemistry/Molecular Biology I (3 Credits)

Essentials of modern biochemistry. First semester of a two-semester course. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: CHEM 555

BIOL 546 - Biochemistry/Molecular Biology II (3 Credits)

Essentials of modern biochemistry and molecular biology. Three lecture hours per week.

Prerequisites: C or higher in BIOL 302.

Cross-listed course: CHEM 556

BIOL 549 - Plant Physiology (4 Credits)

A general survey of the major physiological processes in plants. Two lecture and four laboratory hours per week.

Prerequisites: BIOL 302 and BIOL 425.

BIOL 550 - Bacteriology (3 Credits)

Introduction to bacteria and viruses emphasizing ultrastructure, physiology, genetics, and growth. Discussion of public health, industrial, and environmental microbiology. Three lecture hours per week.

Prerequisites: BIOL 302 or MSCI 311.

Corequisite: BIOL 550L.

Graduation with Leadership Distinction: GLD: Research

BIOL 550L - Bacteriology Laboratory (1 Credit)

Three laboratory hours per week.

Corequisite: BIOL 550.

BIOL 552 - Population Genetics (3 Credits)

An introduction to the principles of population genetics, with emphasis on the origin, maintenance, and significance of genetic variation in natural populations.

Prerequisites: C or better in BIOL 301 or MSCI 311.

Cross-listed course: MSCI 552

Graduation with Leadership Distinction: GLD: Research

BIOL 553 - Genomics (3 Credits)

Current concepts and applications of genomics, addressing questions from throughout biological inquiry.

Prerequisites: BIOL 301, BIOL 303.

BIOL 558 - Stem Cells and The Physiological Environment (3 Credits)

Discussion of how physiological factors, like nutritional status, influence systemic signals to alter stem cell activity, and the physiological stimuli that impact stem cell activity in a variety of organisms (from worms to humans).

Prerequisites: C of higher in BIOL 302.

BIOL 570 - Principles of Ecology (3 Credits)

Interactions of organisms and the environment; ecosystem structure and functions. Three lecture hours per week.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 570L - Principles of Ecology Laboratory (1 Credit)

Three hours per week.

Prerequisite or Corequisite: BIOL 570.

BIOL 571 - Conservation Biology (3 Credits)

Principles of conservation biology. Importance of biodiversity, causes of decline and extinction, and restoration and conservation policy in terrestrial and aquatic ecosystems.

Prerequisites: BIOL 301.

Cross-listed course: ENVR 571

BIOL 572 - Freshwater Ecology (3 Credits)

Quantitative study of the population, community and evolutionary ecology of freshwater habitats (lakes, ponds, rivers, streams, wetlands). Includes mandatory field trips.

Prerequisites: BIOL 301.

Cross-listed course: ENVR 572

BIOL 574 - Marine Conservation Biology (3 Credits)

Exploration of how human activities affect marine natural populations, species, communities and ecosystems, including threats to biodiversity; approaches to marine conservation; and ecological and evolutionary responses to anthropogenic disturbance.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 574

BIOL 575 - Marine Ecology (3 Credits)

Structure, dynamics, and interactions between populations and communities in marine ecosystems. Attendance at designated departmental seminars is required. Three lecture hours per week.

Prerequisites: CHEM 111 and BIOL 301 or MSCI 311.

Cross-listed course: MSCI 575

BIOL 575L - Marine Ecology Laboratory (1 Credit)

Laboratory and field exercises in coastal environments.

Prerequisite or Corequisite: BIOL 575.

Cross-listed course: MSCI 575L

BIOL 576 - Marine Fisheries Ecology (3 Credits)

Interdisciplinary examination of the distribution, reproduction, survival, and historical variation of the principal commercial marine fisheries.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 576

BIOL 577 - Ecology of Coral Reefs (4 Credits)

Structure, productivity, and biodiversity of coral reefs, emphasizing their sensitivity, stability, and sustainability. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 577

BIOL 588 - Genomic Data Science (3 Credits)

This course focuses on quantitative knowledge for interdisciplinary applications in genetics as well as hands-on experience in analyzing genetic data. In this course, students will have programming exercises in using analysis tools to conduct genome-wide analysis, annotation, and interpretation of genetic data using R/Bioconductor packages.

Prerequisites: C or better in STAT 201 or higher.

Cross-listed course: STAT 588

BIOL 599 - Topics in Biology (1-3 Credits)

Current developments in biological sciences. Readings and research on selected topics. Course content varies and will be announced in the schedule of classes by title.

BIOL 610 - Hallmarks of Cancer (3 Credits)

Survey of current concepts regarding the molecular and genetic factors that regulate the origin and progression of cancer. Readings based on current primary literature.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 612 - Virology - Classical and Emerging Concepts (3 Credits)

Advanced study of viruses with regard to biochemical, molecular, pathological, epidemiological, and biotechnological aspects. Focus on animal viruses with particular emphasis on human pathogens.

Prerequisites: C or better in BIOL 302.

BIOL 614 - Stem Cell Biology (3 Credits)

Focuses on the understanding of how stem cells can be used to make fundamental biological discoveries with a special focus in neuroscience.

Prerequisites: C or better in BIOL 302.

BIOL 620 - Immunobiology (3 Credits)

Basic immunological concepts including antibody structure, function, and genetics; cellular immunology; transplantation; hypersensitivity; autoimmunity; and immunity to infectious diseases.

Prerequisites: BIOL 302.

BIOL 625 - Medical Mycology (3 Credits)

Advanced study of infectious diseases caused by fungi. Etiology, symptoms, and treatment of fungi related illnesses.

Cross-listed course: ENHS 625

BIOL 627 - Marine Phytoplankton (3 Credits)

Examines the physiology and ecology of phytoplankton, including environmental controls on community composition, primary productivity, and detection and characterization of water quality (eutrophication) and harmful algal blooms.

Prerequisites: MSCI 102 or MSCI 450 or BIOL 450.

Cross-listed course: MSCI 627

BIOL 630 - Biology of Birds (3 Credits)

Biology of birds at molecular, organismal, and population levels, emphasizing unique adaptations of the class of Aves.

Prerequisites: BIOL 301, BIOL 302, and BIOL 303.

BIOL 634 - Biology of Neurological Diseases (3 Credits)

Advances in molecular and cellular neurobiology that bring new understanding for human neurological disease.

Prerequisites: BIOL 302 and SCHC 330 or BIOL 405.

BIOL 635 - Neurophysiology (4 Credits)

Descriptive and experimental aspects of the neural basis of behavior, emphasizing cellular and molecular mechanisms. Two lecture and six laboratory hours per week. Three lecture hours per week.

Prerequisites: BIOL 302.

BIOL 640 - Microbial Ecology (3 Credits)

Interactions of microorganisms with each other, with more complex organisms, and with their environments. Three lecture hours per week.

Prerequisites: BIOL 550 and either BIOL 301 or MSCI 311.

BIOL 641 - Biophysical Ecology (3 Credits)

This course examines how the mechanisms by which animals and plants interact with their physical environments influence organismal physiology.

Prerequisites: BIOL 301, MATH 141 or MATH 122.

BIOL 650 - Biochemical Evolution (3 Credits)

Advanced study of related aspects of biological evolution. Rise of life from physical and chemical precursors, biochemical basis of adaptation to ecological pressures, and biochemical aspects of the origins and maintenance of biodiversity.

Prerequisites: BIOL 301, BIOL 302, BIOL 303.

BIOL 651 - Limnology (4 Credits)

A study of the aquatic environment and its biota. Three lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 652 - Evolutionary Biology (3 Credits)

An advanced course in evolutionary biology, including natural selection, neutral evolution, molecular evolution population genetics, quantitative genetics, sexual selection, speciation, human evolution, and the evolution of disease.

Prerequisites: BIOL 301 and BIOL 303.

BIOL 653 - Bioinformatics (3 Credits)

Studies of the principles of genetics and molecular biology as applied to adaptive evolution of genes and genomes.

Prerequisites: BIOL 302, BIOL 303.

BIOL 654 - Speciation (3 Credits)

Speciation as the source of biological diversity. Analysis of genetic and ecological models of speciation using primary literature.

Prerequisites: C or better in BIOL 301 and BIOL 303.

BIOL 655 - Biotechnology (3 Credits)

Studies in molecular biology and genetics with emphasis on the use of newly developed techniques in biotechnology. Three lecture hours per week.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 656 - Experimental Biotechnology (4 Credits)

Techniques used in biotechnology will be employed in the context of an experimental project. Twelve laboratory hours per week.

Prerequisites: BIOL 302, BIOL 302L.

BIOL 660 - Biology of Mammals (4 Credits)

Evolution, systematics, genetics, ecology, and adaptation of mammals. Emphasis on native South Carolina species. Two lectures and one two-hour laboratory per week, plus five field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 662 - Signal Transduction and Pathogenesis (3 Credits)

Signaling pathways involved in human diseases, such as cancer, AIDS, autoimmune diseases and diabetes, and cellular processes involving apoptosis, cell cycle, cell-cell adhesion, growth factors, hormones, G protein-coupled receptors, cytokines and immune response.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 665 - Human Molecular Genetics (3 Credits)

Molecular mechanisms underlying gene action and differentiation in man; the genetic bases for human variability and inborn metabolic errors leading to inherited diseases.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 667 - Molecular and Genetic Mechanisms of Disease Pathogenesis (3 Credits)

An advanced examination of the molecular mechanisms underlying gene action in humans. Current literature illustrating the genotype-phenotype relationship in human disease pathogenesis will be discussed.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 668 - Metabolic Biochemistry of Human Disease (3 Credits)

Core concepts of biochemistry as applied to human health and disease.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Cross-listed course: CHEM 655

BIOL 670 - Plant Ecology (3 Credits)

Structure and dynamics of plant populations and communities, including life histories, adaptations, and plant interactions. Three lecture hours per week.

Prerequisites: BIOL 301.

BIOL 670L - Plant Ecology (1 Credit)

Laboratory and field exercises in plant ecology. Four hours per week.

Prerequisite or Corequisite: BIOL 670.

BIOL 671 - Plant Responses to the Environment (3 Credits)

Physiological, molecular, and genetic examination of induced plant responses to various biotic and abiotic environmental stresses.

Prerequisites: BIOL 302.

BIOL 690 - Ultramicroscopy (3 Credits)

Theoretical and practical aspects of scanning and transmission electron microscopy, digital image acquisition and energy dispersive x-ray spectroscopy. Two lecture and one laboratory hour per week, plus a research project to be arranged.

Prerequisites: BIOL 302 or MSCI 311.

Biological Sciences, B.S.

Learning Outcomes

1. Students will demonstrate a solid base of knowledge in Biology. Subjects such as cell and molecular biology, genetics, ecology and evolution, plant biology, and physiology are all crucial areas that will be mastered.
2. Students will analyze qualitative and quantitative data, assess validity of work and identify gaps in knowledge, and evaluate the results of analyses and experiments and decide on next steps.
3. Students will identify assumptions, create and evaluate hypotheses, and design relevant experiments.
4. Students will be trained to locate sources of information and to evaluate the quality of the information needed to make decisions. Students will be trained to critically read and discuss primary literature and evaluate its validity (on an appropriate level).
5. Students will demonstrate the ability to learn independently and then share that knowledge with others as well as to work collaboratively.

Progression Requirement

Biological sciences majors may enroll in a biological sciences major course a maximum of twice to earn the required grade of C or higher. For the purposes of this standard of progression, withdrawal with a W does not constitute enrollment.

Transfer Requirement

Any student applying for transfer to the biological sciences major from other programs within the University, or from other accredited colleges and universities, is required to have a minimum overall grade point average of 2.50 on a 4.00 scale.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	30-45
4. Major Requirements	28

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 122* or MATH 141*
- MATH 142* or MATH 170* or MATH 172*

Note: MATH 141 & MATH 142 are recommended. However, successful completion of MATH 122 and MATH 170, or MATH 172 may be substituted.

SCI – Scientific Literacy (8 hours)

Must be passed with a grade of C or higher.

- BIOL 101* & BIOL 101L*
- BIOL 102* & BIOL 102L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and

continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility (3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

- STAT 205*
- CSCE 102*

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (30-45 hours)

Supporting Courses (12 hours)

Course	Title	Credits
CHEM 111	General Chemistry I (*)	3
CHEM 111L	General Chemistry I Lab (*)	1
CHEM 112	General Chemistry II (*)	3
CHEM 112L	General Chemistry II Lab (*)	1
CHEM 333	Organic Chemistry I (*)	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I (*)	1
Total Credit Hours		12

Note: PHYS 201 and PHYS 202 are recommended in addition to the above required courses.

Minor (18 hours) *optional*

Biological Sciences major may choose a minor consisting of at least 18 credit hours of prescribed courses. (Some minors in the sciences require a minimum of 16 hours.) The subject area of the minor may be related to the major. Students pursuing interdisciplinary minors who wish to use courses in their major department for minor credit must petition the College Committee on Scholastic Standards and Petitions for permission to do so.

The minor is intended to develop a coherent basic preparation in a second area of study. Interdisciplinary minors can be designed with the approval of the assistant dean for academic affairs and advising.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (18-33 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (28 hours)

A minimum grade of C is required in all major courses.

Major Courses (9 hours)

Course	Title	Credits
BIOL 301	Ecology and Evolution	3
BIOL 302	Cell and Molecular Biology	3
BIOL 303	Fundamental Genetics	3
Total Credit Hours		9

Major Electives (19 hours)

Course	Title	Credits
Select one Physiology course from the following:		3
BIOL 425	Plant Form and Function (optional lab available) ¹	
BIOL 460	Advanced Human Physiology (optional lab available)	
BIOL 465	Domestic Animal Nutrition	
BIOL 543	Comparative Physiology (optional lab available)	
BIOL 549	Plant Physiology ¹	
BIOL 635	Neurophysiology	
Select one Plant Biology course from the following:		3
BIOL 420	Survey of the Plant Kingdom (optional lab available)	
BIOL 423	Medicinal Botany	
BIOL 425	Plant Form and Function (optional lab available) ¹	
BIOL 523	Plant Development (optional lab available)	
BIOL 524	Mycology	
BIOL 525	Marine Plants	
BIOL 526	The Fall Flora	
or BIOL 527	The Spring Flora	
or BIOL 528	The Summer Flora	
BIOL 549	Plant Physiology ¹	
BIOL 670	Plant Ecology (optional lab available)	
BIOL 671	Plant Responses to the Environment	
13 hours of biological sciences majors courses 300 or higher		13
Total Credit Hours		19

¹ BIOL 425 and BIOL 549 may only be used for either the Physiology or Plant credit, **not** both.

Note: At least three courses applied toward the major must have an associated laboratory. No more than three credits of 398/399 may be applied toward the major. Two of 301, 301, or 303 must be completed to advance to 400-600 level courses. **At least twelve credits of major courses must be at the 400-699 level.**

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor

for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Biological Sciences, B.S.

Biology Minor Minor Requirements

Prerequisites (8 Hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
BIOL 101	Biological Principles I	3
BIOL 101L	Biological Principles I Laboratory	1
BIOL 102	Biological Principles II	3
BIOL 102L	Biological Principles II Laboratory	1
Total Credit Hours		8

Required Biology Courses (9 Hours)

Course	Title	Credits
BIOL 301	Ecology and Evolution	3
BIOL 302	Cell and Molecular Biology	3
BIOL 303	Fundamental Genetics	3
Total Credit Hours		9

Note: At least two of these must be completed before progressing to a higher level.

Biology Electives (8 Hours)

- Eight additional credits selected from 400 through 600 levels. At least two (2) courses must have accompanying laboratories.

Required Chemistry Courses (11 Hours)

Course	Title	Credits
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Lab	1
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	1
CHEM 333	Organic Chemistry I	3
Total Credit Hours		11

Chemistry and Biochemistry

Department Website (<http://www.chem.sc.edu/>)

Daniel Reger, *Chair*

The Department of Chemistry and Biochemistry offers three undergraduate degrees. A general major leads to the Bachelor of Science with a major in chemistry; the intensive major, suggested for those intending to enter the chemical profession, leads to the degree of Bachelor of Science in Chemistry. The department also offers a Bachelor of Science degree with a major in biochemistry and molecular biology. For all majors a minimum grade of C in CHEM 141 and CHEM 142 (or CHEM 111/CHEM 111L and CHEM 112/CHEM 112L) is required. The Department of Chemistry and Biochemistry has been approved by the American Chemical Society's (ACS) Committee on Professional Training,

and the curriculum for the Bachelor of Science in Chemistry meets ACS requirements.

Retention, Progression, and Transfer Standards

1. Chemistry majors may enroll in a chemistry course a maximum of twice to earn the required grade of C or higher. Biochemistry and molecular biology majors may enroll in a biology or chemistry course a maximum of twice to earn the required grade of C or higher.
2. A chemistry major must receive a grade of C or higher in any chemistry course in order for it to be used to satisfy a major requirement. A biochemistry and molecular biology major must receive a grade of C or higher in any chemistry or biology course in order for it to be used to satisfy a major requirement.
3. Any student applying for transfer to the chemistry major from other programs within the University, or from other accredited colleges and universities, is required to have a minimum overall grade point average of 2.50 on a 4.00 scale.

Note: All three standards apply for the Biochemistry and Molecular Biology, B.S. degree. The first three standards apply for the Chemistry, B.S. and the Chemistry, B.S. Chem degrees.

Programs

- Biochemistry and Molecular Biology, B.S. (p. 44)
- Chemistry Minor (p. 46)
- Chemistry, B.S. (p. 46)
- Chemistry, B.S.C (p. 49)

Courses

CHEM 101 - Fundamental Chemistry I (4 Credits)

A science elective surveying inorganic and solution chemistry. First of a terminal two-semester sequence. Three lecture, one recitation, and two laboratory hours per week.

Carolina Core: SCI

CHEM 102 - Fundamental Chemistry II (4 Credits)

An introductory survey of organic and biochemistry. Three lecture, one recitation, and two laboratory hours per week.

Prerequisites: 1 year high-school chemistry, CHEM 101, CHEM 111, or equivalent.

Carolina Core: SCI

CHEM 105 - Chemistry and Modern Society I (4 Credits)

A conceptual and qualitative approach to chemistry, its evolution, achievements, and goals and its impact on technology, the environment, and modern life and thought. (Specifically designed for non-science majors.) Three lecture and three laboratory hours per week.

Carolina Core: SCI

CHEM 106 - Chemistry and Modern Society II (3 Credits)

A continuation of Chemistry 105. Three lecture hours per week.

Prerequisites: C or higher in CHEM 105.

CHEM 106L - Chemistry and Modern Society II Laboratory (1 Credit)

Laboratory associated with CHEM 106. Three hours of laboratory per week.

Prerequisites: CHEM 105.

Corequisite: CHEM 106.

CHEM 107 - Forensic Chemistry (4 Credits)

Surveys chemical aspects of criminal investigation and adjudication including drug, arson, DNA, paint, and fiber identification. Three lecture and three laboratory hours per week.

Carolina Core: SCI

CHEM 111 - General Chemistry I (3 Credits)

Survey of the principles that underlie all chemistry with applications illustrating these principles. Three lecture and one recitation hours per week.

Prerequisites: C or higher in MATH 111, MATH 115, MATH 122, MATH 141 or higher math (or by placement score into MATH 122, MATH 141 or higher math).

Corequisite: CHEM 111L (unless grade of C or higher in CHEM 111L earned previously).

Carolina Core: SCI

CHEM 111L - General Chemistry I Lab (1 Credit)

Introduction to the principles and techniques of experimental chemistry with emphasis on formula investigations, equations, elementary statistics, and chemical reactivity.

Prerequisites: MATH 111 or MATH 115 or higher.

Prerequisite or Corequisite: CHEM 111.

Carolina Core: SCI

CHEM 112 - General Chemistry II (3 Credits)

Continuation of CHEM 111. Special emphasis on chemical equilibrium. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 111 and C or higher in MATH 111, MATH 115, MATH 122, MATH 141 or higher math.

Corequisite: CHEM 112L.

Carolina Core: SCI

CHEM 112L - General Chemistry II Lab (1 Credit)

Continuation of CHEM 111L with emphasis on solution properties, kinetics, equilibrium, acids and bases, and qualitative analysis.

Prerequisites: C or higher in CHEM 111 and CHEM 111L or CHEM 141.

Prerequisite or Corequisite: CHEM 112.

Carolina Core: SCI

CHEM 118 - Computational Chemistry I (1 Credit)

Introduction to the use of computers in solving chemical problems. One discussion and two laboratory hours per week.

Corequisite: CHEM 112 and CHEM 112L or CHEM 142 (unless a grade of C or higher earned previously).

CHEM 141 - Principles of Chemistry I (4 Credits)

Advanced general chemistry I. Atoms and chemical bonds. Three lecture hours, one recitation hour, and three laboratory hours per week. Credit cannot be received for both CHEM 111 and CHEM 141.

Prerequisites: high-school chemistry; C or higher in MATH 141 or higher math (or by placement score into MATH 142 or higher math).

Carolina Core: SCI

CHEM 142 - Principles of Chemistry II (4 Credits)

Advanced general chemistry II. Chemical kinetics, equilibria, and thermodynamics. Three lecture hours, one recitation hour, and three laboratory hours per week. Credit cannot be received for both CHEM 112 and CHEM 142.

Prerequisites: C or higher in CHEM 141.

CHEM 318 - Computational Chemistry II (1 Credit)

A continuation of CHEM 118, with applications to more advanced chemical problems. One discussion and two laboratory hours per week.

Prerequisites: C or higher in CSCE 145 or CSCE 206 and in CHEM 118.

CHEM 321 - Quantitative Analysis (3 Credits)

Gravimetric, volumetric, and introductory instrumental analysis. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 112 and CHEM 112L or in CHEM 142.

Corequisite: CHEM 321L.

CHEM 321L - Quantitative Analysis Laboratory (1 Credit)

Three laboratory hours per week. Credit cannot be received for both CHEM 321L and CHEM 322L.

Corequisite: CHEM 321.

CHEM 322 - Analytical Chemistry (3 Credits)

Qualitative analysis, quantitative analysis, fundamental or method analysis, and molecular characterization.

Prerequisites: C or higher in CHEM 112 and CHEM 112L (or in CHEM 142) and in MATH 141 or higher MATH.

Corequisite: CHEM 322L.

CHEM 322L - Analytical Chemistry Laboratory (1 Credit)

Laboratory skill building in analytical techniques. Applications of stoichiometry, spectroscopy, phase transfer, electrochemistry and kinetics. Credit cannot be received for both CHEM 321L and CHEM 322L.

Prerequisites: C or better in CHEM 112 and CHEM 112L or CHEM 142.

Corequisite: CHEM 322.

CHEM 331L - Essentials of Organic Chemistry Laboratory I (1 Credit)

Laboratory safety, syntheses, separation, and purification of carbon compounds. For non-majors.

Corequisite: CHEM 333 (unless grade of C or higher in CHEM 333 earned previously).

CHEM 332L - Essentials of Organic Chemistry Laboratory II (1 Credit)

Continuation of CHEM 331L. Spectroscopic identification of carbon compounds. For non-majors. Three lab hours per week.

Prerequisites: C or higher in CHEM 331L.

Corequisite: CHEM 334 (unless grade of C or higher in CHEM 334 earned previously).

CHEM 333 - Organic Chemistry I (3 Credits)

Contemporary theories, nomenclature, reactions, mechanisms, and syntheses of carbon compounds. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 112 or in CHEM 142.

CHEM 333L - Comprehensive Organic Chemistry Laboratory I (2 Credits)

Laboratory safety, synthesis, separation, and purification of carbon compounds. Required for chemistry majors. Six laboratory hours per week.

Corequisite: CHEM 333 (unless grade of C or higher in CHEM 333 earned previously).

CHEM 334 - Organic Chemistry II (3 Credits)

Continuation of CHEM 333. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 333.

CHEM 334L - Comprehensive Organic Chemistry Laboratory II (2 Credits)

Continuation of CHEM 333L. Spectroscopic identification of carbon compounds. Required for chemistry majors. Six laboratory hours per week.

Prerequisites: C or higher in CHEM 333L.

Corequisite: CHEM 334 (unless grade of C or higher in CHEM 334 earned previously).

CHEM 340 - Elementary Biophysical Chemistry (3 Credits)

A non-calculus approach to the study of the principles of physical chemistry emphasizing their application to significant biochemical and biological systems. Chemical thermodynamics, kinetics, equilibrium, solution chemistry, the structure of macromolecules, and acid-base properties of biomolecules. Credit for a degree will not be given for both CHEM 340 and CHEM 541.

Prerequisites: C or higher in CHEM 112 and CHEM 112L or in CHEM 142.

CHEM 360 - Undergraduate Seminar (1 Credit)

Student seminars and a survey of biochemical and molecular biology research at the University of South Carolina. Required of all biochemistry majors.

CHEM 399 - Independent Study (1-3 Credits)

Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 401 - Industrial Chemistry Capstone Experience (3 Credits)

Prepares students for future roles in chemical industry or graduate school and provides career-enhancing interpersonal skills, including team-building, public speaking, resume preparation, and interviewing.

CHEM 496 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 497 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 498 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 499 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 511 - Inorganic Chemistry (3 Credits)

Consideration of atomic structure, valence, complex compounds, and systematic study of the periodic table.

Prerequisites: C or higher in CHEM 334, PHYS 212, and MATH 241.

CHEM 533 - Comprehensive Organic Chemistry III (3 Credits)

Selected organic reactions from synthetic and mechanistic viewpoints.

For Undergraduate Credit Only.

Prerequisites: C or higher in CHEM 334.

CHEM 541 - Physical Chemistry (3 Credits)

Chemical thermodynamics and kinetics. For Undergraduate Credit Only.

Prerequisites: C or higher in CHEM 112 (or CHEM 142) and in MATH 241 or higher MATH.

Corequisite: PHYS 212; unless a grade of C or higher in PHYS 212 earned previously.

CHEM 541L - Physical Chemistry Laboratory (2 Credits)

Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

Prerequisites: C or higher in CHEM 321L or in CHEM 322L or in CHEM 142.

Corequisite: CHEM 541 (unless grade of C or higher in CHEM 541 earned previously).

CHEM 542 - Physical Chemistry (3 Credits)

Spectroscopy, statistical mechanics, and chemical applications of quantum mechanics.

Prerequisites: C or higher in CHEM 112 or in CHEM 142, MATH 241 and PHYS 212.

CHEM 542L - Physical Chemistry Laboratory (2 Credits)

Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

Prerequisites: C or higher in CHEM 321L or in CHEM 142.

Corequisite: CHEM 542 (unless grade of C or higher in CHEM 542 earned previously).

CHEM 545 - Physical Biochemistry (3 Credits)

A survey of physical methods essential for studies of biomacromolecules. Three lecture hours per week.

Prerequisites: C or higher in CHEM 541 and in CHEM 550 or CHEM 555.

CHEM 550 - Biochemistry (3 Credits)

Description of biological macromolecules and major metabolic pathways. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: BIOL 541

CHEM 550L - Biochemistry Laboratory (1 Credit)

Experiments and demonstrations illustrating the principles of biochemistry. Three laboratory hours per week.

Prerequisite or Corequisite: C or higher in CHEM 550 or BIOL 541 or CHEM 555 or BIOL 545.

Cross-listed course: BIOL 541L

CHEM 555 - Biochemistry/Molecular Biology I (3 Credits)

Essentials of modern biochemistry. First semester of a two-semester course. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: BIOL 545

CHEM 556 - Biochemistry/Molecular Biology II (3 Credits)

Essentials of modern biochemistry and molecular biology. Three lecture hours per week.

Prerequisites: C or higher in BIOL 302.

Cross-listed course: BIOL 546

CHEM 619 - Special Topics in Inorganic Chemistry (1-3 Credits)

Current developments in inorganic chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 621 - Instrumental Analysis (3 Credits)

Chemical instrumentation including electronics, signal processing, statistical analysis, molecular/atomic spectroscopy, electrochemical methods, chromatography, and mass spectrometry. Three lecture hours per week.

Prerequisites: C or higher in CHEM 321 or CHEM 322.

CHEM 621L - Instrumental Analysis Lab (1 Credit)

Methods, principles and strategies for chemical instrumentation in analysis. Chemical instrumentation laboratory with environmental, forensic, and biotechnology applications. Three laboratory hours per week.

Corequisite: CHEM 621.

CHEM 622 - Forensic Analytical Chemistry (3 Credits)

Analytical chemical methods in forensic science, including gathering of evidence, toxicology, drug identification, analysis of trace evidence, arson analysis, and DNA/serology.

Prerequisites: C or higher in CHEM 321, CHEM 321L and in CHEM 334, CHEM 332L or CHEM 334L.

CHEM 623 - Introductory Environmental Chemistry (3 Credits)

Study of the chemical reactions and processes that affect the fate and transport of organic chemicals in the environment. Three lecture hours per week.

Prerequisites: C or higher in CHEM 321, in CHEM 333, and in MATH 142.

CHEM 624 - Aquatic Chemistry (3 Credits)

Study of the chemical reactions and processes affecting the distribution of chemical species in natural systems. Three lecture hours per week.

Prerequisite or Corequisite: CHEM 321, MATH 142.

Cross-listed course: MSCI 624

CHEM 629 - Special Topics in Analytical Chemistry (1-3 Credits)

Current developments in inorganic chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 633 - Introduction to Polymer Synthesis (3 Credits)

Special emphasis on the modern synthesis of polymeric materials. Definitions, characterization, and applications of polymers will be briefly presented.

Prerequisites: C or higher in CHEM 334.

CHEM 639 - Special Topics in Organic Chemistry (3 Credits)

Current developments in organic chemistry. Readings and research on selected topics. May be repeated as content varies by title.

CHEM 643 - Computational Chemistry (3 Credits)

This course is designed to familiarize students with theory and use of modern electronic structure codes, as well as to develop critical thinking and problem-solving skills and to improve computer literacy.

Prerequisites: C or higher in CHEM 541 or CHEM 542.

CHEM 644 - Materials Chemistry (3 Credits)

Introduction to materials science; structural and electronic description of inorganic-based solids; experimental techniques in materials chemistry; interfacial energetics and optoelectronic processes at metal and semiconductor surfaces.

Corequisite: CHEM 542 (unless a grade of C or higher earned previously).

CHEM 649 - Special Topics in Physical Chemistry (1-3 Credits)

Current developments in physical chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 655 - Metabolic Biochemistry of Human Disease (3 Credits)

Core concepts of biochemistry as applied to human health and disease.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Cross-listed course: BIOL 668

CHEM 659 - Special Topics in Biochemistry (3 Credits)

Selected topics in the field of biochemistry. May be repeated as content varies by title.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Biochemistry and Molecular Biology, B.S.

Learning Outcomes

1. Students will explain basic and advanced concepts in biology, chemistry, and biochemistry and apply them in problem solving.
2. Students will apply computer applications and information retrieval skills to experiments and data analysis. These skills are taught in CHEM 541L and CSCE 102.
3. Students will communicate effectively orally and in writing about biochemical concepts, problems, and solutions.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in

Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (128 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core Requirements	34-46
2. College Requirements	15-18
3. Program Requirements	3-16
4. Major Requirements	63

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 Hours)

must be passed with a grade of C or higher.

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- PHYS 211* & PHYS 211L*
- PHYS 212* & PHYS 212L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course. It is recommended that students complete the foreign language requirement with French, German, Japanese, Russian, or Spanish.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Course	Title	Credits
CSCE 102	General Applications Programming (*)	3
STAT 201	Elementary Statistics (*)	3
Total Credit Hours		6

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (3-16 hours)

Supporting Courses (3 hours)

must be passed with a grade of C or higher

- MATH 241*

Cognate or Minor (0-18 hours)

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-13 hours)

The Biochemistry and Molecular Biology Major requires electives only if needed to meet 128 credit hours.

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (63 hours)

a minimum grade of C is required in all major courses

Major Courses (54 hours)

Course	Title	Credits
BIOL 101	Biological Principles I	3
BIOL 101L	Biological Principles I Laboratory	1
BIOL 102	Biological Principles II	3
BIOL 102L	Biological Principles II Laboratory	1
BIOL 302	Cell and Molecular Biology	3
BIOL 302L	Cell and Molecular Biology Laboratory	1
BIOL 303	Fundamental Genetics	3
BIOL 550	Bacteriology	3
BIOL 550L	Bacteriology Laboratory	1
CHEM 141	Principles of Chemistry I	4
CHEM 142	Principles of Chemistry II	4
CHEM 322	Analytical Chemistry	3
CHEM 322L	Analytical Chemistry Laboratory	1
CHEM 333	Organic Chemistry I	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1
CHEM 334	Organic Chemistry II	3
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1
CHEM 541	Physical Chemistry	3
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 545	Physical Biochemistry	3
CHEM 555	Biochemistry/Molecular Biology I	3
or BIOL 545	Biochemistry/Molecular Biology I	
CHEM 556	Biochemistry/Molecular Biology II	3
or BIOL 546	Biochemistry/Molecular Biology II	
CHEM 550L	Biochemistry Laboratory	1
or BIOL 541L	Biochemistry Laboratory	
Total Credit Hours		54

Note: Students transferring in to the major can substitute CHEM 111/CHEM 111L (or transfer equivalent) for CHEM 141 and CHEM 112/CHEM 112L (or transfer equivalent) for CHEM 142.

Major Electives (9 hours)

Select 9 hours from 400-600 level electives in Biology or Chemistry.

Note: No more than 3 credits of research (BIOL 399 or CHEM 496) can be used to satisfy the elective requirement.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Biochemistry & Molecular Biology, B.S.**Chemistry Minor****Minor Requirements****Prerequisites (9-10 Hours)**

Course	Title	Credits
CHEM 111	General Chemistry I	3
CHEM 112	General Chemistry II	3
MATH 111	Basic College Mathematics	3-4
or MATH 115	Precalculus Mathematics	
Total Credit Hours		9-10

Required Courses (12 Hours)

Course	Title	Credits
CHEM 321	Quantitative Analysis	3
CHEM 321L	Quantitative Analysis Laboratory	1
CHEM 333	Organic Chemistry I	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1
CHEM 334	Organic Chemistry II	3
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1
Total Credit Hours		12

Chemistry Electives (6 Hours)

Course	Title	Credits
6 additional hours selected from CHEM 300 or above.		6
Total Credit Hours		6

Chemistry, B.S.**Learning Outcomes**

1. Students will explain basic and advanced chemistry concepts and apply them in problem-solving.
2. Students will write effectively about chemistry concepts, principles, and processes.
3. Students will apply basic computer programming and information retrieval skills to questions and problems in chemistry.
4. Students will explain advanced chemistry topics and apply them in the chemical research process.

Admissions**Entrance Requirements**

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in

Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	12-19
3. Program Requirements	28-47
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- PHYS 211* & PHYS 211L*
- PHYS 212* & PHYS 212L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and

continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (12-19 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (3-7 hours)

Course	Title	Credits
CSCE 145	Algorithmic Design I (*)	4
or CSCE 206	Scientific Applications Programming	
STAT 509	Statistics for Engineers (*)	3
or STAT 515	Statistical Methods I	
Total Credit Hours		7

Note: If CHEM 111, CHEM 112, CHEM 322, and CHEM 322L (or CHEM 141, CHEM 142, CHEM 322 and CHEM 322L) are all completed at USC, STAT 509 or STAT 515 is not required. Also, if CHEM 621 and CHEM 621L are completed, STAT 509 or STAT 515 is not required. Students who exempt STAT 509 or STAT 515 through this process will be required to take an approved elective to reach minimum hours for graduation.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-47 hours)

Supporting Courses (11 hours)

Course	Title	Credits
MATH 241	Vector Calculus (*)	3
Select one of the following options:		8
CHEM 141 & 142	Principles of Chemistry I and Principles of Chemistry II (*)	
CHEM 111 & 111L & 112 & 112L	General Chemistry I and General Chemistry I Lab and General Chemistry II and General Chemistry II Lab (*)	
Total Credit Hours		11

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours) *optional*

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-24 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (27 hours)

a minimum grade of C is required in all major courses

Major Courses (24 hours)

Course	Title	Credits
CHEM 322	Analytical Chemistry	3
CHEM 322L	Analytical Chemistry Laboratory	1
CHEM 333	Organic Chemistry I	3
CHEM 333L	Comprehensive Organic Chemistry Laboratory I	2
CHEM 334	Organic Chemistry II	3
CHEM 334L	Comprehensive Organic Chemistry Laboratory II	2
CHEM 541	Physical Chemistry	3
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542	Physical Chemistry	3
CHEM 542L	Physical Chemistry Laboratory	2
Total Credit Hours		24

Major Electives (3 hours)

Course	Title	Credits
CHEM 511	Inorganic Chemistry	3
CHEM 533	Comprehensive Organic Chemistry III	3
CHEM 545	Physical Biochemistry	3
CHEM 550	Biochemistry	3
CHEM 555	Biochemistry/Molecular Biology I	3
CHEM 621	Instrumental Analysis	3
CHEM 623	Introductory Environmental Chemistry	3
CHEM 624	Aquatic Chemistry	3
CHEM 633	Introduction to Polymer Synthesis	3
CHEM 644	Materials Chemistry	3

Note: Students who transfer into the program after completion of CHEM 331L and CHEM 332L may meet the organic chemistry requirements by completing CHEM 334L.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Chemistry, B.S.

Chemistry, B.S.C

Program Learning Outcomes

1. Students will explain basic and advanced chemistry concepts and apply them in problem-solving.
2. Students will write effectively about chemistry concepts, principles, and processes.
3. Students will apply basic computer programming and information retrieval skills to questions and problems in chemistry.
4. Students will explain advanced chemistry topics and apply them in the chemical research process.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-19
3. Program Requirements	26-34
4. Major Requirements	37-38

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- PHYS 211* & PHYS 211L*
- PHYS 212* & PHYS 212L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (12-19 hours)**Foreign Language (0-3 hours)**

- only if needed to meet 122-level proficiency

Analytical Reasoning (3-7 hours)

Course	Title	Credits
CSCE 145	Algorithmic Design I (*)	4
or CSCE 206	Scientific Applications Programming	
STAT 509	Statistics for Engineers (*)	3
or STAT 515	Statistical Methods I	
Total Credit Hours		7

Note: If CHEM 111, CHEM 112, CHEM 322, and CHEM 322L (or CHEM 141, CHEM 142, CHEM 322 and CHEM 322L) are all completed at UofSC, STAT 509 or STAT 515 is not required. Also, if CHEM 621 and CHEM 621L are completed, STAT 509 or STAT 515 is not required. Students who exempt STAT 509 or STAT 515 through this process will be required to take an approved elective to reach minimum hours for graduation.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (26-37 hours)**Supporting Courses (14 hours)**

Course	Title	Credits
MATH 241	Vector Calculus (*)	3
One MATH course beyond MATH 241*		3
Select one of the following options:		8
CHEM 141 & 142	Principles of Chemistry I and Principles of Chemistry II (*)	
CHEM 111 & 111L & 112 & 112L	General Chemistry I and General Chemistry I Lab and General Chemistry II and General Chemistry II Lab (*)	
Total Credit Hours		14

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Science degrees, grades of D are acceptable for completion of the cognate requirement, except where restricted by the major program.

Minor (18 hours) optional

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-11 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (37-38 hours)

a minimum grade of C is required in all major courses

Major Courses (37-38 hours)

Course	Title	Credits
CHEM 322	Analytical Chemistry	3
CHEM 322L	Analytical Chemistry Laboratory	1
CHEM 333	Organic Chemistry I	3
CHEM 333L	Comprehensive Organic Chemistry Laboratory I	2
CHEM 334	Organic Chemistry II	3
CHEM 334L	Comprehensive Organic Chemistry Laboratory II	2
CHEM 511	Inorganic Chemistry	3
CHEM 541	Physical Chemistry	3
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542	Physical Chemistry	3
CHEM 542L	Physical Chemistry Laboratory	2
CHEM 550 or CHEM 555	Biochemistry Biochemistry/Molecular Biology I	3
CHEM 621	Instrumental Analysis	3
CHEM 621L	Instrumental Analysis Lab	1
3 credit of undergraduate research (in an approved area of biochemistry or inorganic chemistry)		3
Total Credit Hours		37

If the undergraduate research is not in an approved area of biochemistry or inorganic chemistry, CHEM 550L must be taken.

Note: Students who transfer into the program after completion of CHEM 331L and CHEM 332L, may meet the organic chemistry requirements by completing CHEM 334L.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Chemistry, B.S.Chem.

Criminology and Criminal Justice

Department Website (<http://www.cas.sc.edu/crju/>)

Brandon K. Applegate, *Chair*

Patricia Armstrong, *Director of Academic Programs*

The Department of Criminology and Criminal Justice offers a program of study leading to a Bachelor of Arts degree. This degree program provides students with a strong foundation in the liberal arts and the social sciences. The department fosters a program of study that has a strong research emphasis and encourages public service. Courses offered through the department focus on problem-solving and critical thinking, which provide students with the skills necessary to understand and interpret the scientific literature, access emerging technologies in the field, and understand emerging issues in criminology and criminal justice. For additional information, visit our website (https://sc.edu/study/colleges_schools/artsandsciences/criminology_and_criminal_justice/index.php/).

Degree Offered

The Department of Criminology and Criminal Justice offers a four-year program of study leading to the Bachelor of Arts degree with a major in criminology and criminal justice. The degree requirements are based upon a strong foundation in the liberal arts and the social sciences. An array of professional criminal justice courses is offered to support the particular interests of various students. Students also are encouraged to participate in community service activities. Pursuant to this, the department provides information on opportunities for volunteer work and involvement in the criminal justice field through internships.

Entrance Requirements

The Department of Criminology and Criminal Justice follows the general admission policies of the University. Should there be more applicants for the degree program than the number of spaces available, admission decisions will be competitive and may take into account the applicant's grade point average as well as other factors deemed indicative of the student's potential for success in the program.

Transfer Students

Transfer students from other institutions, other USC campuses, or other degree programs must have a cumulative GPA of 2.25 and a semester GPA of 2.00 in the last semester enrolled. Official transcripts of all academic work must be sent to the admissions office. These transcripts will be evaluated by the Department of Criminology and Criminal Justice for possible transfer credits. Only collegiate courses completed at accredited institutions will be considered, and transfer credit will be approved only where an analysis of the course level and content indicates that the work is appropriate for inclusion in a program of study offered by the department.

Progression Requirements

Admission to the upper division is based upon a minimum 2.00 cumulative UofSC GPA.

Programs

- Criminal Justice Minor (p. 53)
- Criminology and Criminal Justice, B.A. (p. 53)

Courses

CRJU 101 - The American Criminal Justice System (3 Credits)

Survey of crime and societal responses to crime, including law enforcement, courts, corrections, and the juvenile justice system.

Carolina Core: GSS

CRJU 202 - Research Methods in Criminology and Criminal Justice (3 Credits)

Introduction to the practice of social research in criminology and criminal justice settings.

Graduation with Leadership Distinction: GLD: Research

CRJU 210 - Ethics in Criminal Justice (3 Credits)

Examination of ethical issues in the criminal justice system.

Prerequisites: C or better in CRJU 101.

CRJU 303 - Criminal Procedure (3 Credits)

Overview of the constitutional restraints on the investigation, detention, prosecution and adjudication of criminal defendants. Coverage of Supreme Court decisions involving the 4th, 5th, and 6th Amendments to the U.S. Constitution.

CRJU 311 - Policing (3 Credits)

Current and historical perspectives on American policing.

CRJU 312 - Corrections (3 Credits)

Current and historical perspectives on incarceration and its alternatives.

CRJU 313 - Criminal Courts (3 Credits)

Structure and organization of the federal and state criminal court systems and personnel.

CRJU 314 - Criminal Law (3 Credits)

Origin and development of criminal law in America. Basic elements of crimes and defenses.

CRJU 322 - Drugs and Crime (3 Credits)

Overview of criminal justice system responses to illegal substances. Relationship between substance abuse and crime.

CRJU 323 - Violence in America (3 Credits)

Historical overview of violence in American society, including theoretical perspectives on the causes and prevention of violence.

CRJU 341 - Sociology of Crime (3 Credits)

Social factors in the development, identification, and treatment of criminals.

Cross-listed course: SOCY 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 351 - Juvenile Delinquency (3 Credits)

Social factors in the development, identification, and treatment of delinquents.

Prerequisites: CRJU 101 OR SOCY 101.

Cross-listed course: SOCY 350

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

CRJU 420 - Analyzing Homicide (3 Credits)

Relationships between patterns and trends in homicide, and theoretical explanations for why offenders engage in homicide.

CRJU 421 - Victimization (3 Credits)

Causes and consequences of criminal victimization and public policy responses to victimization issues.

CRJU 422 - Alternatives to Incarceration (3 Credits)

Correctional alternatives to imprisonment including probation, parole, and various community correctional programs.

CRJU 423 - Street Gangs: Structure, Activity, and Response (3 Credits)

Course covers the theoretical and empirical work on gangs, gang members, and gang activity along with insight on these issues from a practitioner perspective. It then examines the variety of policy responses from government and community organizations.

CRJU 424 - Criminal Justice Intelligence (3 Credits)

An investigation of the motivations to commit crime. The course presents profiles of the targets of crimes and provides strategic and tactical assessments of police investigations and intelligence.

CRJU 425 - Hate Crimes (3 Credits)

An examination of the causes and responses to hate crimes. The course also provide a foundation for understanding crimes motivated by racial, gender, religious, disability, and sexual orientation biases.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 426 - Criminal Justice and Mental Health (3 Credits)

Interface between the mental health sciences and the criminal justice system.

CRJU 430 - Communities and Crime (3 Credits)

Relationship between criminality and community characteristics, with particular attention to how variation in community structure, organization, and culture impacts crime.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 440 - Homeland Security and Terrorism (3 Credits)

The nature of terrorism; its history; its methodology; and its application to criminological theory.

CRJU 485 - Selected Topics in Criminal Justice Policy (3 Credits)

Public policy responses to crime, its formation, and its impact on society. Individual topics to be announced by title. May be repeated with consent of advisor.

CRJU 491 - Special Topics (3 Credits)

Topics in criminology and criminal justice. Individual topics to be announced by title. May be repeated once with consent of advisor.

CRJU 494 - Internship (3 Credits)

A supervised experiential course in a criminal justice agency. Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

CRJU 510 - Critical Incident Management for Criminal Justice (3 Credits)

Leadership and management strategies for criminal justice agencies during critical incidents and disasters including multi-agency and multi-jurisdictional response.

CRJU 512 - Information-Based Management in Criminal Justice (3 Credits)

The collection and use of information and data-driven analysis in criminal justice organizations.

CRJU 535 - Inmates and Prisons (3 Credits)

Examination of issues affecting prisons and the inmates confined within them. Specific topics of study will include the philosophy and goals of imprisonment, institutional crowding, inmate rights, inmate adaptation, and individual and collective misconduct.

CRJU 551 - Adolescent Mentoring (3 Credits)

Application of skills and theories of adolescent mentoring taught in the classroom to a supervised, structured mentoring field experience.

Cross-listed course: WGST 551

Experiential Learning: Experiential Learning Opportunity

CRJU 554 - Women and Crime (3 Credits)

Impact of gender-based relations on crime and the criminal justice system.

Cross-listed course: WGST 554

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CRJU 558 - Crime Over the Life Course (3 Credits)

Development of criminal and delinquent behavior over time.

CRJU 563 - Race, Crime, and Criminal Justice (3 Credits)

An historical overview of the intersection between issues of race, crime, and justice. The impact of the criminal justice system on minority groups.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 565 - Organized Crime (3 Credits)

Origins and modern day activity of organized crime in the United States and internationally will be investigated. Attention is given to problems of criminal activity and the present day transnational character of criminal organizations.

CRJU 575 - The Death Penalty (3 Credits)

Overview of the history and evolution of the death penalty. Identification of key legal developments in death penalty jurisprudence.

CRJU 577 - Law and Criminal Justice Policy (3 Credits)

Legal and policy responses to crime and criminal justice issues.

Prerequisites: CRJU 313 or CRJU 314.

CRJU 582 - Computer Applications in Criminal Justice (3 Credits)

Computing, database systems, and software applications in research and professional practice.

CRJU 591 - Selected Topics in Criminal Justice (3 Credits)

A seminar for advanced students. Individual topics to be announced by title. May be repeated once with the consent of the advisor.

Criminal Justice Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
CRJU 101	The American Criminal Justice System	3
Select two of the following:		6
CRJU 311	Policing	
CRJU 312	Corrections	
CRJU 313	Criminal Courts	
Electives		
CRJU 314 or CRJU 341	Criminal Law Sociology of Crime	3

Select two additional Criminal Justice courses at the 300-, 400- or 500-level 6

Total Credit Hours 18

Criminology and Criminal Justice, B.A.

Learning Outcomes

- Students will be able to identify the core components of the American criminal justice system: police, corrections, and courts.
- Students will demonstrate an understanding of the relationships between the components of the criminal justice system.
- Students will demonstrate an understanding of how criminological theories are developed.
- Students will demonstrate an understanding of how criminological theories are used to explain individual and collective deviant behavior.
- Students will demonstrate an understanding of the scientific method.
- Students will demonstrate an understanding of social research design and measurement.
- Students will demonstrate the ability to effectively communicate ideas and issues involving criminology and criminal justice in writing.
- Students will be able to identify the constitutional provisions that govern the treatment of persons suspected of committing a crime.
- Students will demonstrate an understanding of the limits of governmental authority over the criminally accused.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18

3. Program Requirements	25-40
4. Major Requirements	33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- CRJU 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741)course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (25-40 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina

Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (7-28 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (33 hours)

A minimum grade of C is required in all major courses.

Major Courses (9 hours)

Course	Title	Credits
CRJU 202	Research Methods in Criminology and Criminal Justice	3
CRJU 210	Ethics in Criminal Justice	3
CRJU 341	Sociology of Crime	3
Total Credit Hours		9

Major Electives (24 hours)

Course	Title	Credits
Select three of the following:		9
CRJU 303	Criminal Procedure	
CRJU 311	Policing	
CRJU 312	Corrections	
CRJU 313	Criminal Courts	
CRJU 314	Criminal Law	
CRJU 351	Juvenile Delinquency	
Select five courses from CRJU 300 or above ¹		15
Total Credit Hours		24

¹ Courses must be approved by the Department of Criminology and Criminal Justice Office of Academic Programs.

Note: One of the following courses must be taken as part of the major requirements in order to fulfill the Carolina Core Integrative course requirement: CRJU 426, CRJU 430, CRJU 551, CRJU 554, CRJU 558, CRJU 563, CRJU 575, CRJU 577, or CRJU 591.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Criminology and Criminal Justice, B.A.

Economics (College of Arts and Sciences)

McKinley Blackburn, *Chair*

The Department of Economics offers majors in both the College of Arts and Sciences and Sciences (p. 13) and in the Darla Moore School of Business (p. 289).

Economics majors in the College of Arts and Sciences may earn the B.A. or B.S. degree by completing the 24-hour major requirement along with the college core, distribution requirements, and cultural-awareness and writing-emphasis requirements as described in the basic degree requirements in liberal arts.

Business economics majors in the Moore School of Business may opt for a 12-hour major or a 24-hour intensive major as described in the degree requirements for the Bachelor of Science in Business Administration. This major combines course work in economics with the business course work in management science, accounting, management, marketing, and finance, along with a general education core.

Students are encouraged to talk with an advisor in the economics department to gain further information about the differences between the B.A. and B.S. in economics in the College of Arts and Sciences and the business economics major in the Moore School of Business.

Entrance Requirements

Lower division. Freshmen and transfer students must meet all University and college admission requirements. Students transferring from other institutions or from other majors on the Columbia campus must meet all such requirements, have a GPA of 2.50 or better and have completed either MATH 122 or MATH 141 with a C or better. All students enter the lower division when the economics major is declared.

Progression Requirements

Lower division. Students in the lower division may not enroll in ECON 321/ECON 322 or in courses for which these courses are prerequisite.

Upper division. Progression into the upper division requires the completion of ECON 221 and ECON 222 (or ECON 224) and MATH 122 or MATH 141 with a grade of C or better in each of these courses.

Programs

- Economics Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/economics-arts-sciences/economics-minor/>)
- Economics, B.A. (p. 58)
- Economics, B.S. (p. 61)

Courses

ECON 123 - The American Economy (3 Credits)

Basic concepts, institutional foundations, structure of the private and public sector, labor markets; major economic problems.

ECON 221 - Principles of Microeconomics (3 Credits)

The study of supply and demand, pricing and cost concepts, firm and consumer decision-making, market structure, and government policies.

ECON 222 - Principles of Macroeconomics (3 Credits)

The study of gross domestic product, business cycles, economic growth, inflation, unemployment, and monetary and fiscal policy.

ECON 223 - Introduction to Economics (3 Credits)

Introduction to economics principles for non-majors. Basics of supply and demand and government and monetary policy are covered in a non-technical manner. Not open to business or economics students. Credit not granted for both ECON 223 and ECON 221 or ECON 222.

ECON 224 - Introduction to Economics (3 Credits)

The study of supply and demand, markets, household and firm decision-making, gross domestic product, inflation, unemployment, and government policies. Open to all students except business administration and economics majors.

ECON 301 - Money and Banking (3 Credits)

The role of money in the market economy. Commercial banks, the Federal Reserve System, and monetary policy. Cannot be used to satisfy major requirements.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 303 - The International Economy (3 Credits)

Survey of international economic issues and institutions, including trade and protectionism, global and regional trade agreements, trade balances and exchange rates, Japan, NAFTA, and the European Union.

Prerequisites: ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 311 - Issues in Economics (3 Credits)

The nature and causes of major economic problems facing the nation and its communities, and policy alternatives designed to solve them. The philosophy and methodology of economics in social problem solving.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 321 - Intermediate Microeconomic Theory (3 Credits)

Analysis of the economic behavior of households and firms. Production, consumption, price determination, and the degree of competition in markets.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 322 - Intermediate Macroeconomic Theory (3 Credits)

Analysis of the national economy as a whole. Money, output, employment, inflation, and international economic linkages.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 329 - American Economic History (3 Credits)

Growth and development of the American economy; applications of economic theory to economic history.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 363 - Business Finance (3 Credits)

The procurement and management of wealth by privately owned profit-seeking enterprises.

Prerequisites: ECON 221, ACCT 225, and 3 hours of statistics at the 200-level.

ECON 364 - Financial Institutions (3 Credits)

A study of the functions and operations of financial institutions and their relationships to the commercial banking system and the general economy. Attention is devoted to savings institutions, insurance companies, rural and urban real estate credit, consumer credit, and associated topics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 379 - Government Policy Toward Business (3 Credits)

An analysis of public policy toward business in the United States. Emphasis is on the desirability of various policies in light of their consequences for the general welfare.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 399 - Independent Study (1-15 Credits)

Contract approved by instructor, advisor, and undergraduate division head is required.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Research

ECON 402 - Money, Income, and Prices (3 Credits)

A study of monetary standards, monetary theory, monetary policy, and the mechanism of international payments. Attention is devoted to questions of monetary problems, employment, and fiscal policy.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 406 - Labor Economics (3 Credits)

A study of labor market institutions, trends in labor market activity, and the effects of government policy on the labor market. (Not open to majors in economics.)

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 408 - History of Economic Thought (3 Credits)

A survey of economics from the ancient philosophers to the present; with emphasis on the mercantilist, physiocratic, classical, Marxian, Austrian, neo-classical, and institutional schools of economics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 415 - Economics of American Industry (3 Credits)

A study of the structure of selected American industries, of the development and concentration of economic power in the American economy, and of public policy toward industry.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 420 - Business Applications of Economic Forecasting (3 Credits)

Analysis of business cycles and applications of forecasting techniques to project and interpret economic trends.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 421 - Engineering Economics (3 Credits)

Decision making with respect to capital goods, with emphasis on such decision making in governmental activities and public utilities. Intended primarily for engineering students, the course emphasizes the types of investment decisions that engineers are often called upon to make.

ECON 436 - Introductory Econometrics (3 Credits)

The use of statistical techniques to analyze economic relationships. The emphasis is on the application of linear regression to real-world economic data.

Prerequisites: ECON 224, or ECON 221 and ECON 222; MGSC 291 or STAT 201; and MATH 122 or MATH 141.

Carolina Core: ARP

ECON 476 - Foundations of Capitalism (3 Credits)

Examines the foundations of capitalism and why it has prevailed over alternative systems. Topics include the justification of private property, distribution of wealth, profit motive, source of wealth creation, and others.

Prerequisites: ECON 211 and ECON 222.

ECON 499 - Internship in Economics (1-6 Credits)

Supervised work experience of at least nine hours per week, to include one class meeting a month and individual consultation. Contract approval by instructor, advisor, and department chair is required. Cannot be used to satisfy major requirement.

Prerequisites: C or better in both ECON 321 and ECON 322, and cumulative GPA of 2.75.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ECON 500 - Urban Economics (3 Credits)

An analysis of economic forces affecting urbanization and the economic processes influencing urban form and structure. Spatial concepts are considered in addition to traditional micro-economic and macro-economic concepts. Topic coverage includes: the economic origin of cities; urban functions and the urban economic base, land-use structure and urban form, and urban efficiency.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 503 - International Trade Economics (3 Credits)

Theory of international specialization, commercial policy, customs unions, and the effects of trade liberalization and protectionism; economic growth and multinational enterprises.

Prerequisites: ECON 321.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 504 - International Monetary Economics (3 Credits)

Exchange rate and balance of payments determination; purchasing-power parity; optimum currency areas, absorption, elasticity, monetary approaches, spot- and forward-exchange markets.

Prerequisites: ECON 322.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 505 - International Development Economics (3 Credits)

Economic theories of growth in developing countries. Use of factor resources; role of social and economic institutions; use of financial trade policies for growth.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 506 - Labor Economics and Labor Markets (3 Credits)

Economics of labor demand, labor supply, wage determination in competitive markets, migration, discrimination, unemployment, and labor unions. Theoretical models and empirical knowledge will be considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 321.

ECON 507 - Comparative Economic Systems (3 Credits)

An analysis of the organization and operation of the world's major economic systems.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 508 - Law and Economics (3 Credits)

Economic analysis and interpretation of the law. The economic effect of current law and optimal design of law to meet social objectives.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 509 - Economics of Sustainable Development (3 Credits)

Exploration of the basic theory and practice of sustainable economic development. Topics include: environmental legislation, global agreements, sustainable development indicators, and economic strategies and methods to promote environmentally sound development.

Prerequisites: C or better in the following ECON 221 and ECON 222; or ECON 224; MATH 122.

Graduation with Leadership Distinction: GLD: Community Service

ECON 510 - Experimental Economics (3 Credits)

Exploration of the basic theory and techniques of experimental economics. Topics include: basic game theory, experimental design, and elements of behavioral economic thought.

Prerequisites: C or higher in ECON 321.

ECON 511 - Senior Seminar in Economics (3 Credits)

Philosophy and methodology of economics, perspectives on theory and empiricism, economic policy; individualized guided research.

Prerequisites: ECON 321, ECON 322, and ECON 436 with grade of C or higher.

ECON 514 - The Economics of Terrorism (3 Credits)

Focuses on the following aspects of terrorism: (1) its causes/determinants (historical, social, cultural, economic, political, and religious determinants); (2) the organizational and funding structure of terrorist groups; (3) the tactics and weapons of terrorist groups; (4) mobilization and recruitment within terror networks; and (5) counterterrorism methods. Restricted to: Business Majors and Economics Arts and Sciences Majors.

Prerequisites: C or better in ECON 321.

ECON 515 - Industrial Organization (3 Credits)

This course uses the tools of microeconomics and game theory to examine how firms compete and competition's impact on industry performance. Topics include: price discrimination, product differentiation, and oligopoly behavior.

Prerequisites: ECON 321.

ECON 516 - Political Economy (3 Credits)

This course covers fundamental models of collective decision making, studies their empirical relevance, and considers interactions between the economy and politics.

Prerequisites: C or better in ECON 221 and ECON 222 or C or better in ECON 224.

ECON 523 - Introduction to Mathematical Economics (3 Credits)

Mathematical formulation of economic theories; the use of mathematics in the development and demonstration of economic relationships.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MATH 122, MATH 141, or the equivalent.

ECON 524 - Essentials of Economics (3 Credits)

A course designed to acquaint the student with the principles of operation of the American economic system. A survey course for social studies teachers in secondary schools.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 526 - Managerial Economics (3 Credits)

A study of the application of the economic theory of profits, competition, demand, and costs to analysis of problems arising in the firm and in decision making. Price policies, forecasting, and investment decisions are among the topics considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 530 - The Economics of Education (3 Credits)

Investment in human capital; the economic value of schooling; internal efficiency of schools; faculty compensation; equity and efficiency of school finance systems; financing higher education.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 531 - Health Economics (3 Credits)

Applications of economic analysis to health care. Structure and behavior of health-care markets. Description of health care policy issues.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 548 - Environmental Economics (3 Credits)

An analysis of the economic aspects of environmental decay, pollution control, and natural resource use. Analysis of the ability of the market system to allocate resources efficiently when economic activity is accompanied by environmental damage. Discussion of alternative public policy approaches to pollution control and natural resource conservation.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Cross-listed course: ENVR 548

ECON 555 - Game Theory in Economics (3 Credits)

Game theory as used to understand decision making in business, economics, politics and other real-world environments. Topics covered include: basic terminology; strategic, extensive, and combinatorial models; and equilibrium strategy.

Prerequisites: ECON 321 or MATH 141 and STAT 201 or C or higher in STAT 206.

ECON 562 - Public Finance (3 Credits)

Theory and practice of taxation: public revenue, expenditure, and debt.

Prerequisites: C or higher in ECON 321.

ECON 589 - Topics in Economics (1-3 Credits)

Individual topics to be announced with title.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 594 - Introduction to Econometrics (3 Credits)

Statistical and economic tools applied to analysis of business and economic problems with the aid of computers.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 291 or STAT 201, MATH 122 or MATH 141.

ECON 621 - Survey of Contemporary Economic Theory (3 Credits)

Neo-classical value and distribution theory combined with income and employment theory.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 690 - Quantitative Foundations for Business and Economics I (3 Credits)

Calculus and classical optimization methods applied to problems in business and economic analysis; matrices, derivatives, and integrals in the analysis of both univariate and multivariate business and economic models.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 691 - Quantitative Foundations for Business and Economics II (3 Credits)

Statistics and probability theory applied to problems of business and economic analysis.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 690 or ECON 690.

ECON 692 - Quantitative Methods I (3 Credits)

Probability and statistics necessary for graduate study in economics and business administration; estimation, hypothesis testing, regression, analysis of variance, and nonparametric methods.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 694 - Quantitative Methods II (3 Credits)

A study of decision models useful in business administration. Topics covered include linear programming, sensitivity analysis and duality, network models, integer programming, determinate and stochastic dynamic programming, inventory, and queues.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 692, mathematics and computer portion of Fundamental Business Skills or equivalent.

Economics, B.A.

Learning Outcomes

- Our graduates will understand core microeconomic theories and concepts.
- Our graduates will understand core macroeconomic theories and concepts.
- Our graduates will be able to solve basic equations to find equilibrium outcomes and use graphs to understand and interpret economic relationships.
- Our graduates will be able to demonstrate their understanding of economic concepts and quantitative knowledge and use these concepts and knowledge to analyze real-world problems.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, cardiovascular technology, biological sciences, chemistry, biochemistry and molecular biology, economics, environmental science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed below in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	31-49
4. Major Requirements	24-27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122* or MATH 141*
- STAT 201*

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI laboratory science courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - ECON 221 or ECON 222 *must be passed with a C or higher*
 - Note: ECON 224 may fulfill this requirement for students who completed it prior to majoring in Economics. If a grade of A was earned, then ECON 221 and ECON 222 are not required. If a grade of less than an A was earned, then the student must complete either ECON 221 or ECON 222 for the Supporting Course.
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (31-49 hours)

Supporting Courses (0-3 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ECON 221	Principles of Microeconomics	3
or ECON 222	Principles of Macroeconomics	
Total Credit Hours		3

Note: Students must complete both ECON 221 and ECON 222. Whichever was not taken to fulfill the College of Arts and Sciences Social Science requirement will fulfill this Supporting Course. Students who took ECON 224 (earning less than an A) must also take either ECON 221 or ECON 222 as the Supporting Course. Students who earned an A in ECON 224 are exempted from taking either ECON 221 or ECON 222 as a Supporting Course.

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina

Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (13-34 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24-27 hours)

Must be passed with a grade of C or higher.

Economics majors may enroll in ECON 221, ECON 222, ECON 321, ECON 322 and ECON 436 a maximum of twice to earn the required grade of C or higher. For the purposes of this standard progression, withdrawal with a W does not constitute enrollment. Students who plan to major in economics are advised to consult the director of undergraduate studies in economics during the freshman year.

Major Courses (9 hours)

Course	Title	Credits
ECON 321	Intermediate Microeconomic Theory	3
ECON 322	Intermediate Macroeconomic Theory	3

ECON 436 Introductory Econometrics

3

Total Credit Hours**9**

Major Electives (15-18 hours)

- Five ECON electives, 400-level or higher, excluding ECON 421, ECON 476, ECON 499 and ECON 524.

Note: If a student earned an A in ECON 224 and is exempted from taking ECON 221 and ECON 222, one additional ECON elective must be taken.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Economics, B.A.

Economics, B.S.

Learning Outcomes

- Our graduates will understand core microeconomic theories and concepts.
- Our graduates will understand core macroeconomic theories and concepts.
- Our graduates will be able to solve basic equations to find equilibrium outcomes and use graphs to understand and interpret economic relationships.
- Our graduates will be able to demonstrate their understanding of economic concepts and quantitative knowledge and use these concepts and knowledge to analyze real-world problems.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.50 and completion of MATH 122 or MATH 141 with a C or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, cardiovascular technology, biological sciences, chemistry, biochemistry and molecular biology, economics, environmental science, the Bachelor of Arts in

Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed below in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-18
3. Program Requirements	29-47
4. Major Requirements	24-27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and

continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

must be passed with a grade of C or higher

- STAT 201*
- CSCE 102*

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - ECON 221 or ECON 222 *must be passed with a grade of C or higher*
 - Note: ECON 224 may fulfill this requirement for students who completed it prior to majoring in Economics. If a grade of A was earned, then ECON 221 and ECON 222 are not required. If a grade of less than an A was earned, then the student must complete either ECON 221 or ECON 222 for the Supporting Course.
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (29-47 hours)

must be passed with a grade of C or higher

Supporting Courses (0-3 hours)

Course	Title	Credits
ECON 221	Principles of Microeconomics	3
or ECON 222	Principles of Macroeconomics	
Total Credit Hours		3

Note: Students must complete both ECON 221 and ECON 222. Whichever was not taken to fulfill the College of Arts and Sciences Social Science requirement will fulfill this Supporting Course. Students who took ECON 224 (earning less than an A) must also take either ECON 221 or ECON 222 as the Supporting Course. Students who earned an A in ECON 224 are exempted from taking either ECON 221 or ECON 222 as a Supporting Course.

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (11-32 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24-27 hours)

Must be passed with a grade of C or higher.

Economics majors may enroll in ECON 221, ECON 222, ECON 321, ECON 322, and ECON 436 a maximum of twice to earn the required grade of C or higher. For the purposes of this standard progression, withdrawal with a W does not constitute enrollment. Students who plan to major in economics are advised to consult the director of undergraduate studies in economics during the freshman year.

Major Courses (9 hours)

Course	Title	Credits
ECON 321	Intermediate Microeconomic Theory	3
ECON 322	Intermediate Macroeconomic Theory	3
ECON 436	Introductory Econometrics	3
Total Credit Hours		9

Major Electives (15-18 hours)

- Five ECON electives, **400-level or higher**, excluding ECON 421, ECON 476, ECON 499 and ECON 524.

Note: If a student earned an A in ECON 224 and is exempted from taking ECON 221 and ECON 222, one additional ECON elective must be taken.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Economics, B.S.

English Language and Literature

Department Website (<http://www.cas.sc.edu/engl/>)

Nina Levine, *Chair*

The Department of English offers the Bachelor of Arts degree with a major in English. The general major assures a broad knowledge of literature and composition. The intensive major is tailored for those students planning to pursue graduate study in English and/or American literature. The writing concentration is a version of the major placing special emphasis on advanced composition. The department also offers a minor in speech, with courses in public speaking, business and professional communication, speech criticism, performance studies, and small group communication.

Programs

- Creative Writing Minor (p. 71)
- English Minor (p. 71)
- English, B.A. (p. 71)
- Professional Writing and Communication Minor (p. 76)
- Speech Communication Minor (p. 76)

Courses

ENGL 101 - Critical Reading and Composition (3 Credits)

Instruction in strategies for critically reading and analyzing literature and non-literary texts; structured, sustained practice in composing expository and analytical essays.

Carolina Core: CMW

ENGL 102 - Rhetoric and Composition (3 Credits)

Instruction and intensive practice in researching, analyzing, and composing written arguments about academic and public issues.

Prerequisites: C or better in ENGL 101 or equivalent credit.

Carolina Core: CMW, INF

ENGL 200 - Creative Writing, Voice, and Community (3 Credits)

Workshop course on creative writing with a focus on values, ethics, and social responsibility.

Prerequisites: ENGL 101 and ENGL 102.

Carolina Core: AIU, VSR

ENGL 270 - World Literature (3 Credits)

Selected masterpieces of world literature from antiquity to present.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Cross-listed course: CPLT 270

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 280 - Literature and Society (3 Credits)

Fiction, poetry, drama and other cultural texts engaged with questions of values, ethics and social responsibility.

Prerequisites: ENGL 101 and ENGL 102.

Carolina Core: AIU, VSR

ENGL 282 - Special Topics in Fiction (3 Credits)

Special topics in fiction from several countries and historical periods, illustrating the nature of the genre. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 283 - Special Topics in British Literature (3 Credits)

Special topics in British literature exemplifying persistent themes of British culture. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ENGL 284 - Drama (3 Credits)

Drama from several countries and historical periods, illustrating the nature of the genre.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 285 - Special Topics in American Literature (3 Credits)

Special topics in American literature exemplifying persistent themes of American culture. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 286 - Poetry (3 Credits)

Poetry from several countries and historical periods, illustrating the nature of the genre.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 287 - American Literature (3 Credits)

An introduction to American literary history, emphasizing the analysis of literary texts, the development of literary traditions over time, the emergence of new genres and forms, and the writing of successful essays about literature. Designed for English majors.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 288 - English Literature (3 Credits)

An introduction to English literary history, emphasizing the analysis of literary texts, the development of literary traditions over time, the emergence of new genres and forms, and the writing of successful essays about literature. Designed for English majors.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 309 - Teaching Writing in One-to-One Sessions (3 Credits)

The study of theories and pedagogy of individualized writing instruction with intensive writing practice including hands-on one-on-one sessions. Recommended for prospective writing teachers.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 340 - Literature and Law (3 Credits)

Introduction to the interdisciplinary study of literature and law.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 341 - Literature and Medicine (3 Credits)

Introduction to the interdisciplinary study of literature and medicine.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 350 - Introduction to Comics Studies (3 Credits)

Scholarly study of the formal and aesthetic evolutions of graphic novels, comic books, and other related forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: FAMS 350

ENGL 360 - Creative Writing (3 Credits)

Workshop course on writing original fiction, poetry, drama, and creative nonfiction.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Community Service

ENGL 363 - Introduction to Professional Writing (3 Credits)

Overview of concepts, contexts, and genres used in professional communication. Intensive practice in analyzing, emulating, and creating textual and multimedia documents for a variety of professional, non-academic purposes (including commercial, informative, persuasive, and technical).

Prerequisite or Corequisite: C or higher in both ENGL 101 and ENGL 102.

ENGL 370 - Language in the USA (3 Credits)

Linguistic examination of the structure, history, and use of language varieties in the U.S., with a particular focus on regional and sociocultural variation and relevant sociolinguistic issues.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: LING 345

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: JSTU 373

ENGL 380 - Epic to Romance (3 Credits)

Comprehensive exploration of medieval and other pre-Renaissance literature using texts representative of the evolution of dominant literary forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 380

ENGL 381 - The Renaissance (3 Credits)

Literature of the Renaissance, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 381

ENGL 382 - The Enlightenment (3 Credits)

Literature of the Enlightenment in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 382

ENGL 383 - Romanticism (3 Credits)

Literature of Romanticism, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 383

ENGL 384 - Realism (3 Credits)

Literature of Realism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 384

ENGL 385 - Modernism (3 Credits)

Literature of Modernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 385

ENGL 386 - Postmodernism (3 Credits)

Literature of Postmodernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 386

ENGL 387 - Introduction to Rhetoric (3 Credits)

Theories of human communication useful for understanding and informing the everyday work of writers. Emphasis on intensive analysis and writing.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 387

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 388 - History of Literary Criticism and Theory (3 Credits)

Representative theories of literature from Plato through the 20th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 389 - The English Language (3 Credits)

Introduction to the field of linguistics with an emphasis on English. Covers the English sound system, word structure, and grammar. Explores history of English, American dialects, social registers, and style.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 301

ENGL 390 - Great Books of the Western World I (3 Credits)

European masterpieces from antiquity to the beginning of the Renaissance.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 301

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 391 - Great Books of the Western World II (3 Credits)

European masterpieces from the Renaissance to the present.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 302

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 392 - Great Books of the Eastern World (3 Credits)

Classical and contemporary poetry and prose of the Middle and Far East.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 303

Graduation with Leadership Distinction: GLD: Global Learning

ENGL 393 - Postcolonialism (3 Credits)

Literature of Postcolonialism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 395 - Classical Drama (3 Credits)

Representative plays by Greek and Roman dramatists.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: CLAS 469

ENGL 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Research

ENGL 400 - Early English Literature (3 Credits)

Major works of Old and Middle English literature (excluding Chaucer).

Prerequisites: ENGL 101 and ENGL 102.

ENGL 401 - Chaucer (3 Credits)

Chaucer's works, with special attention to The Canterbury Tales.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 402 - Tudor Literature (3 Credits)

English non-dramatic poetry and prose of the 16th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 403 - The 17th Century (3 Credits)

Poetry and prose of major 17th-century writers (excluding Milton).

Prerequisites: ENGL 101 and ENGL 102.

ENGL 404 - English Drama to 1660 (3 Credits)

Drama in England, from the Middle Ages to the Restoration (excluding Shakespeare).

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 405 - Shakespeare's Tragedies (3 Credits)

Shakespeare's Tragedies.

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 406 - Shakespeare's Comedies and Histories (3 Credits)

Shakespeare's Comedies and Histories.

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 407 - Milton (3 Credits)

Milton's works, with special attention to Paradise Lost.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 410 - The Restoration and 18th Century (3 Credits)

Poetry and prose from 1660 to the later 18th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 411 - British Romantic Literature (3 Credits)

Poetry and prose of the English Romantic period.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 412 - Victorian Literature (3 Credits)

Poetry and prose from the 1830s to the end of the century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 413 - Modern English Literature (3 Credits)

Poetry and prose of the 20th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 414 - English Drama Since 1660 (3 Credits)

Major dramatists from the Restoration to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 415 - The English Novel I (3 Credits)

A study of the novel from the beginnings through Walter Scott.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 416 - The English Novel II (3 Credits)

A study of the novel from Walter Scott into the 20th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 419 - Topics in English Literature (3 Credits)

Intensive study of selected topics. May be repeated for credit under a different title. Course can be taken 2 times for credit. 6 is the maximum number of credit hours if course can be taken multiple times.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 420 - American Literature to 1830 (3 Credits)

Colonial, Revolutionary, and early Romantic poetry and prose.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 421 - American Literature 1830-1860 (3 Credits)

Poetry and prose of the American Romantic period.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 422 - American Literature 1860-1910 (3 Credits)

Poetry and prose from the Civil War to the early modern era.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 423 - Modern American Literature (3 Credits)

Poetry and prose of the 20th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 424 - American Drama (3 Credits)

Representative plays from the 18th century to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 425A - The American Novel to 1914 (3 Credits)

Representative novels from the 18th century to World War I.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 425B - The American Novel Since 1914 (3 Credits)

Representative novels from 1914 to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 426 - American Poetry (3 Credits)

Representative works from the 17th century to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 427 - Southern Literature (3 Credits)

Representative works of Southern writers.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 428A - African-American Literature I: to 1903 (3 Credits)

Representative of African-American writers to 1903.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 428A

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 428B - African-American Literature II: 1903 – Present (3 Credits)

Representative works of African-American writers from 1903 to the present.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 428B

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 429 - Topics in American Literature (3 Credits)

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 430 - Topics in African American Literature (3 Credits)

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 431A - Children's Literature (3 Credits)

Literature written for children in a variety of historical periods and geographical regions, illustrating the nature of the genre.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 431B - Picture Books (3 Credits)

Literature written for children and young adults that communicates through interdependent visual and verbal modes.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 432 - Young Adult Literature (3 Credits)

Post-World War II literature in a variety of genres whose primary audience is young adults.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 433 - Special Topics in Children's and Young Adult Literature (3 Credits)

Intensive study of a genre, historical period, geographical regions, author, or theme in Children's or Young Adult Literature. May be repeated as content varies by title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 434 - Environmental Literature (3 Credits)

Literature of the natural environment and of human interactions with nature, along with critical theories about human/nature interactions.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 435 - The Short Story (3 Credits)

The characteristics of the short story and its historical development in America and Europe.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 436 - Science Fiction Literature (3 Credits)

Representative masterworks of science fiction from the beginnings of the genre to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 437 - Women Writers (3 Credits)

Representative works written by women.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

Cross-listed course: WGST 437

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 438A - South Carolina Writers (3 Credits)

Authors and literary forms representative of South Carolina.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438B - Scottish Literature (3 Credits)

Authors and literary forms representative of Scotland.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438C - Irish Literature (3 Credits)

Authors and literary forms representative of Ireland.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438D - African Literature (3 Credits)

Authors and literary forms representative of Africa.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 438D

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 438E - Caribbean Literature (3 Credits)

Authors and literary forms representative of the Caribbean.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 438E

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 439 - Selected Topics (3 Credits)

Intensive study of selected themes, topics, currents of thought, or interdisciplinary concerns. May be repeated for credit under a different course title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 440 - Principles of Modern Literary Theory (3 Credits)

Major 20th-century approaches to texts, from New Criticism to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 441 - Global Contemporary Literature (3 Credits)

Studies in twentieth- and twenty-first-century global Anglophone literatures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 445 - LGBTQ+ Literature (3 Credits)

This course will examine LGBTQ+ (lesbian, gay, bisexual, trans, queer, and other nonnormative sexual identities) literatures and cultures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: WGST 445

ENGL 449 - Special Topics in Theory (3 Credits)

Approaches to criticism, such as feminism, Marxism, semiology, deconstruction, New Historicism, cultural materialism, and others; or genre, such as narrative, poetry, drama, and others.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 450 - English Grammar (3 Credits)

Major structures of English morphology and syntax; role of language history and social and regional variation in understanding contemporary English.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 421

ENGL 453 - Development of the English Language (3 Credits)

History of English from the earliest Old English texts through Middle English to Contemporary English. No previous knowledge of Old or Middle English is required.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 431

ENGL 455 - Language in Society (3 Credits)

Patterns in language use as a reflection of social group memberships or the negotiation of interpersonal relationships; special attention to social dialects and stylistic differences in American English.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 440

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 457 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: AFAM 442, ANTH 442, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 460 - Advanced Writing (3 Credits)

Extensive practice in different types of nonfiction writing.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 461 - The Teaching of Writing (3 Credits)

Theory and methods of teaching composition and extensive practice in various kinds of writing. Recommended for prospective writing teachers.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 462 - Technical Writing (3 Credits)

Preparation for and practice in types of writing important to scientists, engineers, and computer scientists, from brief technical letters to formal articles and reports.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 463 - Business Writing (3 Credits)

Extensive practice in different types of business writing, from brief letters to formal articles and reports.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

ENGL 464 - Poetry Workshop (3 Credits)

Workshop in writing poetry.

Prerequisites: C or better in ENGL 101 and ENGL 102 or equivalent.

ENGL 465 - Fiction Workshop (3 Credits)

Workshop in writing fiction.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 466 - Internship (1-3 Credits)

Supervised professional experience writing in a workplace or community agency, including analysis and production of documents. Internship contract and department permission required. 6 is the Maximum number of credit hours if course can be taken multiple times.

Prerequisites: ENGL 101 and ENGL 102. Internship contract and department permission required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ENGL 467 - Topics in Rhetoric (3 Credits)

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 468 - Digital Writing (3 Credits)

Emphasis on writing in digital environments, exploring critically and creatively what it means to compose in emerging genres and media. Students will create multimedia texts that may include digital video, audio podcasts, social networks, and/or blogs and wikis, among other digital modes of expression.

ENGL 469 - Creative Nonfiction (3 Credits)

Explores the various subgenres and techniques of creative nonfiction, such as collage, memoir and literary journalism by reading polished examples and by responding to writing exercises designed to prompt ideas and hone skills.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 470 - Rhetoric of Science and Technology (3 Credits)

Rhetorical study of science and technology in contemporary culture, emphasizing the ways scientific texts and technologies make their persuasive appeals.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 470

ENGL 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: CLAS 471, SPCH 471

ENGL 472 - Rhetoric and Popular Culture (3 Credits)

Rhetorical study of popular culture, using the methods and theories of cultural analysis to examine how various popular cultural forms work as persuasion.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 472

ENGL 475 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

Prerequisites: ENGL 101 and 102 or equivalent; ARTH 366.

ENGL 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 485, WGST 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: AFAM 486, SPCH 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 487, WGST 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 490 - Topics in Advanced Study (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

Prerequisites: ENGL 101 and ENGL 102; English major, junior or senior standing, or consent of instructor.

ENGL 491 - Advanced Poetry Workshop (3 Credits)

Students will study poetry writing at an advanced undergraduate level through close readings of professional poetry, composition of original work, and regular practice in the evaluation of peer work.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 492 - Advanced Fiction Workshop (3 Credits)

Students will study the art and craft of writing literary fiction at an advanced level through close readings and the composition of original short stories.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 493 - Advanced Creative Non-Fiction (3 Credits)

The art and craft of writing creative nonfiction at the advanced level.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 494 - Advanced Professional Writing Workshop (3 Credits)

An advanced workshop on the genres, practices, and contexts of professional writing for experienced writers.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 499 - Thesis (3 Credits)

Directed research resulting in a project of substantial length. Upper-level English majors; permission of undergraduate director and supervising faculty member.

ENGL 550 - Advanced English Grammar (3 Credits)

Practical survey of the syntactic structures of English; usage, social and regional variation emphasis on data.

Prerequisites: ENGL 450, LING 421, ENGL 680, or LING 600.

Cross-listed course: LING 521

ENGL 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

Cross-listed course: AFAM 565, THEA 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 566 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 566, MART 593

ENGL 600 - Seminar in Verse Composition (3 Credits)

First half of a year-long course in the writing of poetry taught by a contemporary poet. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 601 - Seminar in Verse Composition (3 Credits)

Second half of a year-long course in the writing of poetry taught by a contemporary poet. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 602 - Fiction Workshop: Short Story (3 Credits)

Instruction in the writing of short fiction taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 603 - Non-Fiction Prose Workshop (3 Credits)

Instruction in the writing of the nonfiction essay taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 604 - Seminar in Composition for the Visual Media (3 Credits)

Writing for the visual arts, the student will write a treatment (prospectus) and one or more multimedia scripts; or one or more teleplays; or a feature-length screenplay. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102 or equivalent; ENGL 565 or equivalent experience in film as determined by the instructor.

ENGL 605 - Seminar in Composition for the Visual Media (3 Credits)

Writing for the visual arts, the student will write a treatment (prospectus) and one or more multimedia scripts; or one or more teleplays; or a feature-length screenplay. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102 or equivalent; ENGL 565 or equivalent experience in film as determined by the instructor.

ENGL 606 - Playwriting Workshop (3 Credits)

Instruction in playwriting taught by a contemporary playwright. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 610 - Fiction Workshop: Book-Length Manuscript (3 Credits)

Instruction in the writing of book-length manuscripts taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 611 - Writing the Longer Nonfiction Project (3 Credits)

Instruction in the writing of a book-length nonfiction memoir or literary journalism project taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 612 - Writing Poetry: Traditional and Modern Forms (3 Credits)

The writing of traditional and modern poetic forms. Exercises will give practice in composing metered and free verse. Representative masterpieces of traditional and modern poetry will also be studied.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 613 - Writing the Full-Length Play (3 Credits)

Instruction in the writing of a full-length, two-act play for publication or production. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 615 - Academic and Professional Writing (3 Credits)

A workshop course in the development and revision of writing for academic and professional audiences.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 616 - Writing Children's and Young Adult Literature (3 Credits)

Critical study and practical crafting of literature for children and/or young adults, exploring the demands of these genres both through the reading of representative works and relevant secondary sources and through the writing of creative works. Undergraduate students must receive permission of instructor.

ENGL 620 - Computer Methods for Humanistic Problems (3 Credits)

Introduction to data processing concepts suitable for research interests in non-numerical areas such as the humanities.

ENGL 620P - Laboratory for Computer Methods for Humanistic Problems (1 Credit)

Broad but intensive introduction to computer systems and programming for students in the humanities. No mathematical or scientific background is presumed. Laboratory experience with data-processing equipment; introduction to elementary digital computer programming in an appropriate language.

Corequisite: ENGL 620.

ENGL 650 - Special Topics in Literature (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated for credit as topics vary.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 680 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ANTH 600, LING 600

ENGL 690 - Special Topics in Composition (3 Credits)

Course content varies and will be announced in the schedule of classes by title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 691 - Teaching of Literature in College (2 Credits)

Introduction to the methods of teaching literature, with emphasis on current pedagogical practice and theory and applications of electronic media. The course meets during the first seven weeks of the term and provides supervision of graduate students teaching English 101.

ENGL 692 - Teaching of Composition in College (1 Credit)

Introduction to the methods of teaching composition, with emphasis on current pedagogical practice and theory and applications of electronic media. The course meets during the first seven weeks of the term and provides supervision of graduate students teaching English 102.

SPCH 140 - Public Communication (3 Credits)

Introduction to theory and practice of oral communication in public, social, and institutional contexts. Includes foundational and cumulative training in the invention, performance, and critical analysis of oral communication, with emphasis on argumentation, persuasion, audience analysis, delivery, and ethical forms of engagement.

Carolina Core: CMS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 145 - Online Public Communication (3 Credits)

Introduction to theory and practice of live and recorded online spoken communication in public, social, and institutional contexts. Training in invention, performance, and critical analysis of online spoken communication, including audience analysis, persuasion, delivery, and ethical engagement. Includes significant practice in preparing and presenting live online public communication.

Carolina Core: CMS, INF

SPCH 150 - Public Speaking Anxiety Reduction (1 Credit)

Exercises and techniques to reduce and manage public speaking anxiety. Ideally taken concurrently with any course that requires multiple presentations.

SPCH 201 - Popular Communication and Public Culture (3 Credits)

Examination of historical and popular communication conflicts, texts, and events. Offers an introduction to critical concepts and analysis of public speech, rhetoric, and cultural discourse.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 213 - Communicating Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society and the challenges of communicating effectively about them. Topics will vary but may include access to health care, euthanasia, abortion, same sex marriage and the moral and environmental consequences of eating animals.

Cross-listed course: PHIL 213

Carolina Core: CMS, VSR

SPCH 230 - Business and Professional Speaking (3 Credits)

Fundamentals of oral communication within business and professional settings. Includes performance.

Carolina Core: CMS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 260 - Argumentation and Debate (3 Credits)

Preparing and delivering the debate. Academic debate serves as a model.

Carolina Core: CMS

SPCH 330 - Small Group Communication (3 Credits)

The development of the skills and methods of effective participation in teams, committees, and other small groups.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 331 - Organizational Communication (3 Credits)

Examines communication behavior and networks within organizations through the study of major theories of organizational communication, identifies and defines primary concepts, and applies them to organizational scenarios and case studies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 340 - Literature and Performance (3 Credits)

Introduction to the study of literature through performance; reading, analysis, and performance of prose, poetry, nonfiction, and drama.

Cross-listed course: THEA 340

SPCH 380 - Persuasive Communication (3 Credits)

Analysis of the process and functions of persuasive communication.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 387 - Introduction to Rhetoric (3 Credits)

Theories of human communication useful for understanding and informing the everyday work of writers. Emphasis on intensive analysis and writing.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: ENGL 387

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

SPCH 411 - Arguments in Cultural Studies (3 Credits)

The study of texts and discourse from contemporary culture drawing from concepts such as politics, television, music, and other popular culture and entertainment.

SPCH 441 - Rhetorical Criticism (3 Credits)

Interpretation and evaluation of communication texts and events such as speeches, media, and social movements. Employs a variety of critical methods and approaches.

SPCH 448 - Contemporary Political Rhetoric (3 Credits)

Analysis and evaluation of speeches, political campaigns and controversies over political representation and recognition. Focus on case studies that illustrate the role of speech-making in political campaigns. Offered only in fall semesters in which national elections are held.

SPCH 463 - Great Debates (3 Credits)

A study of debates at the Constitutional Convention, Lincoln-Douglas debates (1858), vice presidential and presidential debates, and other national debates.

SPCH 464 - Speechwriting (3 Credits)

An exploration of the process of advanced policy advocacy emphasizing speechwriting strategies, issues management, and systematic advocacy campaigns.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 470 - Rhetoric of Science and Technology (3 Credits)

Rhetorical study of science and technology in contemporary culture, emphasizing the ways scientific texts and technologies make their persuasive appeals.

Prerequisites: ENGL 101, ENGL 102.

Cross-listed course: ENGL 470

SPCH 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: CLAS 471, ENGL 471

SPCH 472 - Rhetoric and Popular Culture (3 Credits)

Rhetorical study of popular culture, using the methods and theories of cultural analysis to examine how various popular cultural forms work as persuasion.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: ENGL 472

SPCH 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 485, WGST 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPCH 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Cross-listed course: AFAM 486, ENGL 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPCH 499 - Special Topics in Speech (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

Graduation with Leadership Distinction: GLD: Research

SPCH 543 - Communication, Law, and Society (3 Credits)

Examines the role of communication in legal and judicial contexts. Focus on case studies that illustrate the theoretical and practical significance of rhetoric in the work of the courts, lawyers, and public advocacy groups.

Creative Writing Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
One 200-level ENGL course		3
ENGL 360	Creative Writing	3
Select two of the following 400-level regular or advanced creative writing courses:		6
ENGL 460	Advanced Writing	
ENGL 464	Poetry Workshop	
ENGL 465	Fiction Workshop	
ENGL 469	Creative Nonfiction	
ENGL 491	Advanced Poetry Workshop	
ENGL 492	Advanced Fiction Workshop	
ENGL 493	Advanced Creative Non-Fiction	
Select one of the following advanced creative writing courses:		3
ENGL 491	Advanced Poetry Workshop	
ENGL 492	Advanced Fiction Workshop	
ENGL 493	Advanced Creative Non-Fiction	
One elective (one 300-500 level ENGL course)		3
Total Credit Hours		18

English Minor

Minor Requirements

Prerequisites (6 Hours)

Course	Title	Credits
ENGL 101	Critical Reading and Composition	3
ENGL 102	Rhetoric and Composition	3
Total Credit Hours		6

Note: Prerequisites will also satisfy basic degree requirements in the College of Arts and Sciences, Liberal Arts division.

Required Courses (18 Hours)

- One 200-level ENGL course (3 Hours)
- 300-500 level ENGL courses (15 Hours)

English, B.A.

Learning Outcomes

- Students will demonstrate knowledge of canonical and non-canonical texts, covering a range of periods, using current theoretical and critical approaches to literary and cultural studies.

- Students will demonstrate competence in critical thinking by learning how to acquire and evaluate information in order to form compelling analyses and reach well-justified conclusions.
- Students will demonstrate competence in written expression by learning the principles of grammar and composition and argument.
- Students will demonstrate basic linguistic knowledge (such as knowledge of the nature of human language, dialects, the development of grammar of the English language, and issues involving usage and standard English.)

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	30-42

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a

minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (19-43 hours)

Supporting Courses (6 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ENGL 287	American Literature (*)	3
ENGL 288	English Literature (*)	3
Total Credit Hours		6

Cognate or Minor (12-18 hours)

Students completing the Secondary Education English concentration must complete an Education cognate consisting of the following courses:

Course	Title	Credits
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDSE 500	Equity and Community Engagement	3
EDSE 547	Teaching Middle and High School (English)	3

Cognate (12 hours)

The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in

one or more departments or programs, depending on the interests of the student and the judgment of the advisor.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286).

For cognate course offerings in other colleges, consult the appropriate sections of this bulletin. Some major programs have specific cognate requirements.

It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. The cognate must be approved by the major advisor as being related to the major field of study. Students are urged to consult their major advisors for specific requirements in their major.

Courses applied toward general education requirements cannot be counted toward the cognate.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses. (Some minors in the sciences require a minimum of 16 hours.) The subject area of the minor may be related to the major. Students pursuing interdisciplinary minors who wish to use courses in their major department for minor credit must petition the College Committee on Scholastic Standards and Petitions for permission to do so.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must be concentrated in one area and must follow a structured sequence. Interdisciplinary minors can be designed with the approval of the assistant dean for academic affairs and advising.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-25 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (30-42 hours)

Students may choose to complete the General Major, the Intensive Major, or the major with a concentration in Secondary Education English or Writing.

A minimum grade of C is required in all major courses.

Diversity Requirement (0-3 hours)

The major in English requires a diversity course. This requirement will be satisfied by taking one of the courses listed below. The course may also serve as a pre- or post-1800 literature course or an elective, while fulfilling the diversity requirement. Additional courses, depending on content, may be used to satisfy this requirement. Students who do not meet this Diversity Requirement through another major requirement, must take a course from this list in addition to the major requirements.

Course	Title	Credits
ENGL 393	Postcolonialism	3
ENGL 419	Topics in English Literature	3
ENGL 428A	African-American Literature I: to 1903	3
ENGL 428B	African-American Literature II: 1903 – Present	3
ENGL 429	Topics in American Literature	3
ENGL 430	Topics in African American Literature	3
ENGL 433	Special Topics in Children's and Young Adult Literature	3
ENGL 437	Women Writers	3
ENGL 438D	African Literature	3
ENGL 438E	Caribbean Literature	3
ENGL 439	Selected Topics	3
ENGL 441	Global Contemporary Literature	3
ENGL 445	LGBTQ+ Literature	3
ENGL 457	African-American English	3
ENGL 467	Topics in Rhetoric	3
ENGL 485	Women's Rhetoric	3
ENGL 486	African-American Rhetoric	3
ENGL 487	Black Women Writers	3
ENGL 565	African American Theatre	3
ENGL 566	Special Topics in U.S. Film and Media	3

General Major (30 hours)

Course	Title	Credits
Two Pre-1800 Literature courses		6
Three Post-1800 Literature courses		9
Five courses numbered ENGL 300 or higher ¹		15
Total Credit Hours		30

¹ At least one course must be selected from ENGL 370, ENGL 389 or ENGL 450-ENGL 455, unless a Linguistics course is applied elsewhere in the student's curriculum.

Major with Secondary English Education Concentration (33 hours)

Course	Title	Credits
Required Courses		
One Pre-1800 Literature course		3
One Post-1800 Literature course		3
ENGL 450	English Grammar	3
ENGL 432	Young Adult Literature	3
ENGL 437	Women Writers	3
ENGL 460	Advanced Writing	3

Elective course- ENGL 300 or above		3
English Language		3
Select one from the following:		
ENGL 389	The English Language	
ENGL 453	Development of the English Language	
Theory and Criticism		3
Select one from the following:		
ENGL 388	History of Literary Criticism and Theory	
ENGL 440	Principles of Modern Literary Theory	
ENGL 449	Special Topics in Theory	
African-American Literature		3
Select one from the following:		
ENGL 428A	African-American Literature I: to 1903	
ENGL 428B	African-American Literature II: 1903 – Present	
ENGL 430	Topics in African American Literature	
Writing or Rhetoric		3
Select one from the following:		
ENGL 360	Creative Writing	
ENGL 387	Introduction to Rhetoric	
ENGL 461	The Teaching of Writing	
ENGL 462	Technical Writing	
ENGL 463	Business Writing	
ENGL 464	Poetry Workshop	
ENGL 465	Fiction Workshop	
ENGL 467	Topics in Rhetoric	
ENGL 468	Digital Writing	
ENGL 469	Creative Nonfiction	
ENGL 470	Rhetoric of Science and Technology	
ENGL 471	Rhetoric and the Ancient Roots of Modern Life	
ENGL 472	Rhetoric and Popular Culture	
ENGL 485	Women's Rhetoric	
ENGL 486	African-American Rhetoric	
Total Credit Hours		33

Note: Students completing the Secondary Education English Concentration must also complete an Education coursework component that may fulfill the cognate requirement. This concentration is a step to the MT program, which is recommended for teacher certification. This concentration will not provide students with teacher certification upon completion.

Writing Concentration (30 hours)

Course	Title	Credits
Required Courses		
Two Pre-1800 Literature courses		6
Two Post-1800 Literature courses		6
Introductory Writing		
ENGL 360	Creative Writing	3
ENGL 387	Introduction to Rhetoric	3
One course numbered ENGL 300 or higher		3
Writing and Rhetoric and/or Creative Writing		
Select 9 hours from the following:		9
Writing and Rhetoric:		
ENGL 460	Advanced Writing	

ENGL 461	The Teaching of Writing
ENGL 462	Technical Writing
ENGL 463	Business Writing
ENGL 466	Internship
ENGL 467	Topics in Rhetoric
ENGL 468	Digital Writing
ENGL 470	Rhetoric of Science and Technology
ENGL 471	Rhetoric and the Ancient Roots of Modern Life
ENGL 472	Rhetoric and Popular Culture
ENGL 485	Women's Rhetoric
ENGL 486	African-American Rhetoric
ENGL 494	Advanced Professional Writing Workshop
Creative Writing:	
ENGL 460	Advanced Writing
ENGL 464	Poetry Workshop
ENGL 465	Fiction Workshop
ENGL 469	Creative Nonfiction
ENGL 491	Advanced Poetry Workshop
ENGL 492	Advanced Fiction Workshop
ENGL 493	Advanced Creative Non-Fiction

Total Credit Hours 30

Intensive Major (39 hours)

Course	Title	Credits
Three Pre-1800 Literature courses		9
Four Post-1800 Literature courses		12
ENGL 388	History of Literary Criticism and Theory	3
or ENGL 440	Principles of Modern Literary Theory	
ENGL 490	Topics in Advanced Study (or Senior Thesis)	3
Four courses numbered ENGL 300 or higher ¹		12
Total Credit Hours		39

¹ At least one course must be selected from ENGL 370, ENGL 389 or ENGL 450-ENGL 455, unless a Linguistics course is applied elsewhere in the student's curriculum.

Pre-1800 Literature Courses

Course	Title	Credits
ENGL 340	Literature and Law	3
ENGL 341	Literature and Medicine	3
ENGL 380	Epic to Romance	3
ENGL 381	The Renaissance	3
ENGL 382	The Enlightenment	3
ENGL 390	Great Books of the Western World I	3
ENGL 395	Classical Drama	3
ENGL 400	Early English Literature	3
ENGL 401	Chaucer	3
ENGL 402	Tudor Literature	3
ENGL 403	The 17th Century	3
ENGL 404	English Drama to 1660	3
ENGL 405	Shakespeare's Tragedies	3
ENGL 406	Shakespeare's Comedies and Histories	3
ENGL 407	Milton	3

ENGL 410	The Restoration and 18th Century	3
ENGL 414	English Drama Since 1660	3
ENGL 415	The English Novel I	3
ENGL 419	Topics in English Literature	3
ENGL 420	American Literature to 1830	3
ENGL 429	Topics in American Literature	3
ENGL 430	Topics in African American Literature	3
ENGL 437	Women Writers	3
ENGL 438A	South Carolina Writers	3
ENGL 438B	Scottish Literature	3
ENGL 438C	Irish Literature	3
ENGL 438D	African Literature	3
ENGL 438E	Caribbean Literature	3
ENGL 439	Selected Topics	3

Post-1800 Literature Courses

Course	Title	Credits
ENGL 340	Literature and Law	3
ENGL 341	Literature and Medicine	3
ENGL 350	Introduction to Comics Studies	3
ENGL 383	Romanticism	3
ENGL 384	Realism	3
ENGL 385	Modernism	3
ENGL 386	Postmodernism	3
ENGL 391	Great Books of the Western World II	3
ENGL 393	Postcolonialism	3
ENGL 411	British Romantic Literature	3
ENGL 412	Victorian Literature	3
ENGL 413	Modern English Literature	3
ENGL 414	English Drama Since 1660	3
ENGL 416	The English Novel II	3
ENGL 419	Topics in English Literature	3
ENGL 421	American Literature 1830-1860	3
ENGL 422	American Literature 1860-1910	3
ENGL 423	Modern American Literature	3
ENGL 424	American Drama	3
ENGL 425A	The American Novel to 1914	3
ENGL 425B	The American Novel Since 1914	3
ENGL 426	American Poetry	3
ENGL 427	Southern Literature	3
ENGL 428A	African-American Literature I: to 1903	3
ENGL 428B	African-American Literature II: 1903 – Present	3
ENGL 429	Topics in American Literature	3
ENGL 430	Topics in African American Literature	3
ENGL 431A	Children's Literature	3
ENGL 431B	Picture Books	3
ENGL 432	Young Adult Literature	3
ENGL 433	Special Topics in Children's and Young Adult Literature	3
ENGL 434	Environmental Literature	3
ENGL 435	The Short Story	3
ENGL 436	Science Fiction Literature	3
ENGL 437	Women Writers	3

ENGL 438A	South Carolina Writers	3
ENGL 438B	Scottish Literature	3
ENGL 438C	Irish Literature	3
ENGL 438D	African Literature	3
ENGL 438E	Caribbean Literature	3
ENGL 439	Selected Topics	3
ENGL 441	Global Contemporary Literature	3
ENGL 445	LGBTQ+ Literature	3
ENGL 487	Black Women Writers	3
ENGL 565	African American Theatre	3

B.A. with Distinction (Open to all English Majors)

The Departmental Undergraduate Research Track (B.A. with Distinction) is available to students majoring in English who maintain a minimum GPA of 3.50 in the major and 3.30 overall and who wish to participate in a substantial research or creative project in collaboration with, or under the supervision of, a faculty mentor. Ideally, students who pursue this option would complete their theses by December of their final year of coursework.

Requirements

- Overall GPA of 3.30 or higher and a GPA of at least 3.50 in the major;
- Senior Thesis: General, Writing, and Secondary Education track majors who wish to graduate with distinction must complete a thesis in addition to the courses required for their chosen track within the English major. For Intensive majors, the thesis is part of the required coursework. The thesis may be completed either by enrolling in ENGL 499 or by taking ENGL 490, provided that the latter course includes a thesis requirement;
- Submission of the distinction intent form (available in the undergraduate English office) to the undergraduate English office at the beginning of the semester in which you write your thesis;
- Public presentation of the thesis in an approved venue including:
 - English Department Colloquium Series
 - USC Discovery Day
 - Professional Conference or Journal publication.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

English, B.A. No Concentration

English, B.A. Writing Concentration

English, B.A. Secondary Education Concentration

Professional Writing and Communication Minor

Minor Requirements

The minor in Professional Writing and Communication consists of 18 credit hours or 6 classes.

All classes in the minor must be passed with a grade of C or higher.

Course	Title	Credits
Select one 200-level ENGL class		3
ENGL 363	Introduction to Professional Writing	3
Select four courses of the following:		12
ENGL/SPCH 387	Introduction to Rhetoric	
ENGL 460	Advanced Writing	
ENGL 462	Technical Writing	
ENGL 463	Business Writing	
ENGL 468	Digital Writing	
ENGL 469	Creative Nonfiction	
ENGL 494	Advanced Professional Writing Workshop	
ENGL 466	Internship	
SPCH 330	Small Group Communication	
SPCH 331	Organizational Communication	
SPCH 380	Persuasive Communication	
SPCH 441	Rhetorical Criticism	
SPCH 464	Speechwriting	

Total Credit Hours **18**

Speech Communication Minor

The minor in Speech Communication provides students with the skills, knowledge, and experiences vital to being effective producers and consumers of communication in business, organizational, political, and cultural settings. The diversity of courses offered in the program span from training in public speaking, to studies of political arguments and debates, to analysis of how we communicate through our visual representations, behaviors, and cultural practices.

Minor Requirements (18 Hours)

Required Courses

- 18 credit hours in Speech Communication (SPCH). 9 of those 18 credit hours must be in courses numbered 300 or higher.

Film and Media Studies

Department Website (http://www.sc.edu/study/colleges_schools/artsandsciences/film_and_media_studies/)

Lauren Steimer, *Director*

Film and Media Studies majors study the media—its many forms, industries, aesthetics, audiences and impacts on global culture. Students gain the knowledge and skills necessary to critically engage with a wide array of media forms and practices as citizens, creators, and scholars. Major and minor programs of study cultivate increasingly important skills for the 21st century: analytic and interpretive skills,

knowledge of diverse and global media histories, writing and research, and communication and collaboration. in problem solving, writing, research, analysis, oral communication, and collaboration. Students apply these skills to investigations of past, present, and future media artworks, industries and audiences. Students who earn a degree in Film and Media Studies enter diverse career paths within the entertainment and media industries, professional fields such as law and education, work for NGO and nonprofit organizations, and more.

Students who might want to major or minor in film and media studies should begin with either **FAMS 240** (CC-AIU) or **FAMS 300** (CC-GHS). **FAMS 110** (CC-AUI) is designed for non-majors who seek a broad introduction to foundational concepts in the analysis and production of media arts.

Programs

- **Film and Media Studies Minor**
- Film and Media Studies, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/film-media-studies/film-media-studies-ba/>)

Courses

FAMS 110 - Media Culture (3 Credits)

Introduction to the critical study of film, video, photography, audio, and new media.

Cross-listed course: MART 110

Carolina Core: AIU

FAMS 180 - Film Culture (3 Credits)

How the film industry developed and the impact the movies have had on global popular culture. Does not count toward the film studies major.

Carolina Core: AIU

FAMS 240 - Film and Media Analysis (3 Credits)

Introduction to the critical study of film and media. Students will closely analyze moving images and develop written arguments about film and media.

Carolina Core: AIU

FAMS 300 - Film and Media History (3 Credits)

Surveys the development of cinema and related media from the 1820s to the present. Attention to the relations among key technological, cultural, and industrial changes, their causes, and consequences.

Carolina Core: GHS

FAMS 301 - Media, Power & Everyday Life (3 Credits)

Foundational approaches to media as a means of defining and distributing social power in everyday life.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 308 - Global Media Industries (3 Credits)

Provides the foundation for the study of globalized film and media industries.

Cross-listed course: GLST 308

FAMS 310 - Special Topics In Popular Media (3 Credits)

Intensive study of a specific topic in popular film and media. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 311 - Classical Hollywood Cinema (3 Credits)

Survey of Classical Hollywood Cinema in aesthetic, cultural, political, and economic contexts.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 316 - Music and the Hollywood Film (3 Credits)

Examination of how music guides audience interpretation and shapes Hollywood film style.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 325 - Superheroes across Media (3 Credits)

Examination of the superhero within and across media, industries, and eras addressing topics such as genre, style, seriality, remediation, franchising, and fandom.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 350, or ENGL 350.

FAMS 328 - The Blockbuster (3 Credits)

Examination of the post-1975 blockbuster film phenomenon with an emphasis on marketing, finance, and reception.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 330 - Special Topics in Non-Film Media (3 Credits)

Intensive study of a specific topic concerning a medium or mediums other than film. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisites: C or better in FAMS 240 or FAMS 300.

FAMS 332 - American Television (3 Credits)

Examination of American television as an industry, art form, medium of social representation, and set of viewer practices.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 338 - Contemporary British Television Industry (3 Credits)

Examination of industrial structures, network histories, production cultures, and regulation contexts of contemporary British television.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 350 - Introduction to Comics Studies (3 Credits)

Scholarly study of the formal and aesthetic evolutions of graphic novels, comic books, and other related forms.

Cross-listed course: ENGL 350

FAMS 360 - Special Topics in Global Media (3 Credits)

Intensive study of a specific topic in film and media centered outside the U.S. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 361 - Middle East on Screen (3 Credits)

Examines representations of the Middle East on screen within multiple media-making traditions and considers their aesthetic, political, and ethical dimensions.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 363 - Hong Kong Action Cinema (3 Credits)

Survey of the transnational history of Hong Kong action cinema and introduction to critical approaches through which it has been studied.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 365 - Screening China (3 Credits)

Survey of Chinese language cinema. Chinese film history and vocabulary with which to discuss film texts. Covers classic leftwing cinema, Hong Kong martial arts films, as well as the Hong Kong, Taiwan, and PRC New Waves. Taught in English. Films subtitled.

Cross-listed course: CHIN 365

FAMS 380 - Special Topics in Alternative Media (3 Credits)

Intensive study of a specific topic concerning film and media forms and/or practices outside the commercial mainstream. May be repeated as many as three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 381 - History of Experimental Film (3 Credits)

Survey of key examples and tendencies in the history of experimental film.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 383 - Documentary Studies (3 Credits)

History, theory, and practices of documentary film and media.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and program director is required.

Graduation with Leadership Distinction: GLD: Research

FAMS 470 - Genre Studies Film & Media (3 Credits)

Critical study of a popular genre (e.g., horror, science fiction, melodrama), or set of genres, in film and media. Course content varies and will be announced in the schedule of courses by title. May be repeated as topics vary.

FAMS 499 - Internship in Film and Media Studies (3 Credits)

Internship in Film and Media Studies. (Variable) Supervised professional experience working with media production, distribution, exhibition, archiving, and/or education.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 510 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 569, MART 592

FAMS 511 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 551, MART 591

FAMS 566 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ENGL 566, MART 593

FAMS 581 - Critical Interactives (3 Credits)

Foundational techniques in multidisciplinary software development, specifically of applications designed to present sensitive, sometimes controversial, materials in ways to engender empathic awareness of the interactor.

Cross-listed course: CSCE 571

FAMS 598 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FORL 598, MART 594

Graduation with Leadership Distinction: GLD: Global Learning

Geography

Department Website (<http://www.cas.sc.edu/geog/>)

Jerry Mitchell, *Chair*

The Department of Geography offers both the Bachelor of Arts degree and the Bachelor of Science degree, each with a major in geography. The BA degree is in general geography; the BS degree offers concentrations in physical/environmental geography, geographic information sciences, and general geography.

Minors

The Department of Geography offers a flexible general geography minor that requires 18 credit hours in geography courses. Students may not apply more than 3 credit hours from the 100 level and not more than 9 credit hours from the 200 level.

Besides the general geography minor, students may instead choose a specialized minor in the following areas: environmental geography, geographic information science, meteorology and climatology, physical geography, and regional geography. Please see a faculty advisor in the Department of Geography for more details on the requirements for specialized minors.

Programs

- Climate and Society Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/geography/climate-society-minor/>)
- Geography Minor (p. 82)
- Geography, B.A. (p. 82)
- Geography, B.S. (p. 85)

Courses

GEOG 103 - Introduction to Geography (3 Credits)

A survey of the principles and methods of geographic inquiry. Not required for the geography major.

Carolina Core: GSS

GEOG 104 - Introduction to Physical Geography (3 Credits)

Basic concepts of landform geography, climatology and meteorology, and biogeography.

Carolina Core: SCI

GEOG 105 - The Digital Earth (3 Credits)

Introduction to geographic data; use of digital maps and aerial/satellite images as means of Earth observation; basics of spatial data analysis; location-based Web APPs; digital map services.

Carolina Core: ARP

GEOG 121 - Globalization and World Regions (3 Credits)

Introduction to political, economic, social, and environmental processes of global integration and regional differentiation.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

GEOG 201 - Landform Geography (4 Credits)

Hydrology, soil science, and interpretation of physical features formed by water, wind, and ice, with emphasis on environmental change. Three hours of lecture and one two-hour laboratory per week.

Carolina Core: SCI

GEOG 202 - Weather and Climate (4 Credits)

Processes that influence weather and climate patterns on the earth. Three lectures and one two-hour laboratory per week.

Carolina Core: SCI

GEOG 210 - Peoples, Places, and Environments (3 Credits)

Basic principles of human geography.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

GEOG 221 - Geography of South Carolina (3 Credits)

An intensive regional analysis of South Carolina. Selected phenomena such as urbanization, industrialization, land use, the physical environment, and their interrelationships.

Carolina Core: GSS

GEOG 223 - Geography of Latin America (3 Credits)

Physical and human geography of Latin America.

Cross-listed course: LASP 331

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 224 - Geography of North America (3 Credits)

Physical and human geography of North America with emphasis on the United States.

Carolina Core: GSS

GEOG 225 - Geography of Europe (3 Credits)

Physical and human geography of Europe.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 226 - Geography of the Middle East (3 Credits)

A regional geographic approach to the environmental, social, economic, and political aspects of the Middle East (Southwest Asia and north Africa) with emphasis on contemporary problems.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 228 - Geography of Sub-Saharan Africa (3 Credits)

A regional approach to the physical, social, economic, and political aspects of Sub-Saharan Africa with emphasis on contemporary problems.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 285 - Introduction to Drones for Airborne Spatial Data (3 Credits)

This course is an introduction to the use of small unmanned aerial systems (UAS) in collecting/processing imagery for mapping/information analysis. Course content includes UAS characteristics, small camera considerations, project planning and processing, and legal requirements in the United States and selected European countries.

GEOG 310 - Topics in Geography (3 Credits)

Selected topics of special interest in geography. May be repeated as content varies by title.

GEOG 311 - Cultural Geography (3 Credits)

The temporal-spatial relationship between humans and the natural environment with emphasis on the role through time of human activity in changing the face of the earth.

GEOG 312 - Geography and Global Geopolitics (3 Credits)

Geographic perspectives on problems in international relations. Political geographic analysis of contemporary world problems.

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 313 - Economic Geography (3 Credits)

Spatial interrelation and linking of economic activities and how location affects the nature of economic systems.

GEOG 319 - Cities in a Changing World (3 Credits)

An overview of historical and contemporary urban development and growth, with an emphasis on post-colonial and non-Western contexts.

GEOG 321 - Sustainable Cities (3 Credits)

Overview of the relationships between urbanization and environmental processes and an exploration of pathways to greater sustainability.

GEOG 324 - Landscapes of the United States (3 Credits)

Geographic change through time in the United States, with emphasis on evolution of the American landscape. Physical environment as modified by human intervention over time within a regional framework.

GEOG 330 - The Geography of Disasters (3 Credits)

The study of disasters, their triggering mechanisms (natural, human, technological), their spatial distributions from local to global scales, and associated human responses.

GEOG 341 - Cartography (3 Credits)

Introduction to the theory and principles of map construction including discussions of equipment and materials, lettering and symbolization, scale and generalization, data manipulation and representation. Presentation of geographic information on maps.

GEOG 343 - Environment and Society (3 Credits)

A geographic consideration of the interactions between environment and society. The ways in which social, economic, and cultural processes interact across local to global scales and influence environmental practices, policies, and patterns of change will be emphasized.

GEOG 344 - Geographies of American Cities (3 Credits)

Overview of the development of American cities from industrial period to the present. Special attention given to the political, economic, social processes that shape urban space and urban ways of life.

GEOG 345 - Interpretation of Aerial Photographs (3 Credits)

Theory and use of basic photo interpretation instruments and methods. Practice in acquiring and interpreting data from aerial photography for use in the physical and social sciences.

GEOG 346 - Climate and Society (3 Credits)

Major theories and methodologies for studying the relationship between climate and society.

GEOG 347 - Water as a Resource (3 Credits)

Introduction to spatial and institutional aspects of water availability, demand, and quality. Water storage/conveyance strategies and facilities. Real and perceived flood, drought hazards.

GEOG 348 - Biogeography (3 Credits)

Spatial distributions of plants and animals as they relate to historical biogeographic patterns and human impact on the biosphere.

GEOG 349 - Cartographic Animation (3 Credits)

Introduction to theories and principles of cartographic animation.

Prerequisites: GEOG 341 or GEOG 363.

GEOG 360 - Geography of Wind (3 Credits)

Fundamental principles of wind formation, measurement, and its impacts on the natural and human environment – landscape, human settlement and health, transportation, and energy.

GEOG 363 - Geographic Information Systems (3 Credits)

Introduction to principles and methods of geographic information systems including discussion of computers, spatial data, analysis, and display. Includes discussion of applications and hands-on experience.

GEOG 365 - Hurricanes and Tropical Climatology (3 Credits)

Atmospheric circulation, structure, and processes of tropical climates and hurricanes. Forecasting and model simulations of hurricanes. Temporal variations of tropical climate change and hurricanes.

GEOG 370 - America's National Parks (3 Credits)

Resource, managerial, and recreational-use components of the national park system; contemporary issues, problems, and managerial alternatives.

GEOG 371 - Air Pollution Climatology (3 Credits)

Fundamentals, processes, and issues associated with air pollution. Emphasis is on the role of the atmosphere, how air pollution affects surface climate, and how climate and meteorology influence air quality.

GEOG 378 - World Tourism Geography (3 Credits)

Geographic analysis of tourism in America and selected world regions; demand, supply, transportation, and cultural/environmental impact of tourism and travel.

GEOG 380 - Global Geography of Human Rights (3 Credits)

Geopolitical, historical, cultural, and economic geographies of human rights around the world; issues of development, environment, health, inequality, violence.

GEOG 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GEOG 495 - Seminar in Geography (3 Credits)

Research methods and projects; restricted to students with at least 15 hours of credit in geography. Restricted to students with at least 15 hours of credit in geography.

Graduation with Leadership Distinction: GLD: Research

Experiential Learning: Experiential Learning Opportunity

GEOG 497 - Special Topics: Service Learning in Geography (1 Credit)

Service learning experience in conjunction with designated Geography courses. Direct, hands-on service experience with an agency, voluntary organization, or community-based project. May be repeated, as content varies by title. Students enrolled in designated Geography courses by Instructor permission.

Corequisite: Must be taken simultaneously with designated Geography courses, levels 200 and above.

Experiential Learning: Experiential Learning Opportunity

GEOG 498 - Undergraduate Research (3 Credits)

Research on a significant geography problem in the local environment. Emphasis will be on the development of relatively individualized experiences in scientific investigation.

Graduation with Leadership Distinction: GLD: Research

GEOG 499 - Senior Thesis (3 Credits)

Senior research thesis on a problem of fundamental geographic significance, supervised by faculty member; must include a written final project report.

Graduation with Leadership Distinction: GLD: Research

GEOG 510 - Special Topics in Geographic Research (3 Credits)

Selected topics of special interest in geography. May be repeated as content varies by title.

GEOG 511 - Planning and Locational Analysis (3 Credits)

Scientific approaches to locational problems in urban and regional planning, including regional growth and decline, land use control, public facility location and provision, and locational efficiency.

GEOG 512 - Migration and Globalization (3 Credits)

A survey of the political, economic, and social causes and consequences of migration. Topics include immigration policy, border control, settlement patterns, transnationalism, multiculturalism, and integration. Selected contemporary and historical cases.

Prerequisites: GEOG 210.

GEOG 515 - Political Geography (3 Credits)

Concepts of space and power and their relationship to politics, elections, geopolitics, identities, law, economics, populations, and civil society.

GEOG 516 - Coastal Zone Management (3 Credits)

Analysis of the competing demands for limited resources in the coastal zone with emphasis on the role of management in the resolution of conflicts over resource use.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

GEOG 517 - Socionatural Coastlines in Global Perspective (3 Credits)

A discussion-based seminar course that examines nature-society relations in coastal regions globally. The course will use social theory to understand how uneven development processes shaped – and continue shaping – current coastlines. We will explore key topics including coastal capitalism, delta ecologies, and climate justice via several global case studies.

Cross-listed course: ENVR 517

GEOG 521 - Landscapes of South Carolina (3 Credits)

An examination of the factors responsible for creating the contemporary South Carolina cultural landscape.

GEOG 525 - Geographical Analysis of Transportation (3 Credits)

Analysis of transportation systems and the application of geographic tools to transportation planning.

GEOG 530 - Environmental Hazards (3 Credits)

Human and environmental contributions to the generation and management of hazards originating from extreme natural events to technological failures. Contemporary public policy issues at the national and international level.

GEOG 531 - Quantitative Methods in Geographic Research (3 Credits)

A survey of basic quantitative approaches for handling and interpreting geographically related data; univariate and bivariate procedures applicable to a variety of problems.

GEOG 535 - Hazards Analysis and Planning (3 Credits)

Examination of the geo-spatial aspects of hazards analysis and planning with specific reference to disaster preparedness, recover, mitigation, and resilience.

Prerequisites: GEOG 363 and GEOG 530, or equivalents.

GEOG 538 - Global Food Politics (3 Credits)

Political, social, and cultural landscapes of food and farming around the world; issues of agricultural production, trade, consumption, and food security.

Cross-listed course: ENVR 538

GEOG 541 - Advanced Cartography (3 Credits)

Planning, compiling, constructing, and evaluating thematic maps. Theory and practice in scribing, separation and screening, color proofing, and map reproduction. Discussions of the process of map communication and the ways the cartographer can improve that communication.

Prerequisites: GEOG 341.

GEOG 542 - Dynamic Cartography (3 Credits)

Theories and principles of interactive and animated cartographic design.

Prerequisites: GEOG 341.

GEOG 544 - Geography of the City (3 Credits)

The influence of political boundaries, historical forces, settlement patterns, and transportation processes on urban life.

GEOG 545 - Synoptic Meteorology (4 Credits)

Analysis of synoptic-scale circulation using weather maps, soundings, cross sections, thermodynamic diagrams, numerical models, and imagery.

Prerequisites: GEOG 202 or equivalent.

GEOG 546 - Applied Climatology (4 Credits)

Analysis of climate applications in natural and human-modified environments. Content may include water resources, solar energy, urban planning, air quality, agriculture, and tourism. Course work includes lab and field experimentation.

GEOG 547 - Fluvial Geomorphology (3 Credits)

Introduction to landforms and processes associated with flowing water at the earth's surface. Hydrology, sedimentology, and theories of channel formation and drainage basin evolution.

GEOG 549 - Water and Watersheds (3 Credits)

Spatial variation of hydrology, water quality, and water-related hazards, including runoff generation, soil erosion, sedimentation, and flood hazards. Emphasizes a watershed perspective using geographic data and methods.

Prerequisites: GEOG 347, GEOL 371, or ECIV 360.

GEOG 551 - Principles of Remote Sensing (3 Credits)

Introduction to remote sensing. A variety of imaging systems including black and white, color, and high altitude color infrared photographs, LANDSAT, thermal infrared, and active microwave. Use of remote sensing for studying the extra-terrestrial environment and earth weather systems.

GEOG 552 - LiDARgrammetric and Photogrammetric Digital Surface Mapping (3 Credits)

Introduction to fundamental concepts used to map topographic and planimetric Earth surface features using digital LiDAR (LiDARgrammetric) and digital soft-copy photogrammetry (Photogrammetric).

Prerequisites: GEOG 363 or GEOG 341 or GEOG 345 or GEOG 551 or GEOG 563.

GEOG 554 - Spatial Programming (3 Credits)

Computer programming of spatial problems; spatial statistical analysis, interactive graphics, and computer maps.

GEOG 556 - WebGIS (3 Credits)

Web-based Geographic Information Systems (WebGIS), including concepts and principles of WebGIS, web programming fundamentals, web-based mapping techniques, and developing WebGIS applications.

Prerequisites: GEOG 363.

GEOG 560 - Source Materials for Geographic Instruction (3 Credits)

Introduction to selected materials available for all levels of instruction in geography. Emphasis on the substantive nature of the materials.

Cross-listed course: EDSE 505

GEOG 561 - Contemporary Issues in Geography Education (3 Credits)

Key concepts of geography and current approaches to teaching geography with specific attention to classroom materials, curriculum reform, cross-curricular integration, learning theory, and the use of geospatial/instructional technology.

GEOG 562 - Satellite Mapping and the Global Positioning System (3 Credits)

Technology and use of Global Positioning Systems (GPS). GPS space segment, receiver technologies, range observables, and positioning accuracy. Applications to large/medium scale mapping, remote sensing, and aerial photography.

Prerequisites: GEOG 345 or GEOG 363 or GEOG 551.

GEOG 563 - Advanced Geographic Information Systems (3 Credits)

Theory and application of geographic information systems including discussions of automated input, storage, analysis, integration, and display of spatial data. Use of an operational geographic information system.

GEOG 564 - GIS-Based Modeling (3 Credits)

Geographical information systems for modeling physical/human processes in space and time using raster and vector data. Cartographic modeling concepts, embedded models, and GIS-model coupling.

GEOG 565 - Geographic Information System (GIS) Databases and Their Use (3 Credits)

Representation, construction, maintenance, and analysis of spatial data in a geographic information system (GIS) database.

Prerequisites: GEOG 363 or GEOG 341 or GEOG 551 or GEOG 563.

GEOG 566 - Social Aspects of Environmental Planning and Management (3 Credits)

Geographical approach to environmental problems.

Prerequisites: GEOG 343.

GEOG 567 - Long-Term Environmental Change (3 Credits)

Climatic changes of the past and their impact on the physical landscape, with an emphasis on the Quaternary period.

Prerequisites: A 200-level course in physical geography or geology or equivalent.

Cross-listed course: GEOL 567

GEOG 568 - Human Dimensions of Global Environmental Change (3 Credits)

Consequences of increasing anthropogenic changes on environmental systems including the sources of change, regional impacts, and social and policy responses.

Prerequisites: GEOG 343.

GEOG 569 - International Development and the Environment (3 Credits)

Intersections of international development and environmental change; study of general theoretical perspectives balanced with case studies from the Global South.

Cross-listed course: ANTH 569

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

GEOG 570 - Geography of Public Land and Water Policy (3 Credits)

Geography of public land, water, and related public trust resources (wildlife, timber, minerals, fuels, recreation, wetlands, coastal zones, wilderness); historical geography of policy; spatial aspects of current research and management.

GEOG 571 - Microclimatology (4 Credits)

Field techniques and processes in the atmospheric boundary layer including radiation, soil heat fluxes, turbulence, momentum, latent and sensible heat fluxes, moisture, and evaporation.

Prerequisites: GEOG 202.

GEOG 573 - Climatic Change and Variability (3 Credits)

Observations and theories of climatic change and variability as they occur at different space and time scales. Projections of future climates. Techniques used in climatic change research and impact analysis.

Prerequisites: GEOG 202 or equivalent.

GEOG 575 - Digital Techniques and Applications in Remote Sensing (3 Credits)

Introduction to digital image processing techniques and applications. Image correction, enhancement, spatial and spectral transformation. Land use/land cover classification, and change detection.

Prerequisites: GEOG 551 or equivalent.

GEOG 581 - Globalization and Cultural Questions (3 Credits)

This course examines cultural understandings of and responses to globalization, examining topics such as its history and theories, migration, economic integration and inequality, identity, social movements, and the environment.

Cross-listed course: ANTH 581

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 590 - Beach-Dune Interactions (3 Credits)

Influence of wind on coastal systems, with emphasis on nearshore currents, sediment transport and bedforms, aeolian transport, and dunes. Minimum Junior standing required.

Cross-listed course: MSCI 590

GEOG 595 - Internship in Geography (1-6 Credits)

Internship in government agencies, private-sector businesses, and non-profit organizations under the joint supervision of sponsor and departmental. A maximum of three credits may be applied to undergraduate Geography major or to Geography master's degree. May be repeated to a maximum of six credits.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

Geography Minor

Minor Requirements (18 Hours)

The Department of Geography offers a flexible General Geography minor that requires 18 credit hours in geography courses. Students may not apply more than 3 credit hours from the 100-level and not more than 9 credit hours from the 200-level.

Geography, B.A.

Learning Outcomes

- Students will demonstrate the ability to communicate in written and oral forms. These outcomes are evaluated together because they are connected for our students who often are in careers where their written work is the substance of their oral presentations. We see the linkage of the two to be the most important aspect.
- Students will demonstrate understanding of and the use of one geographical technique such as GIS, remote sensing, cartography, or spatial statistics.
- Students will demonstrate their knowledge of the central themes within the discipline.
- Students will be prepared for careers in the field or for graduate study in geography.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	34-49
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina

Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Choose at least 1 of the following to fulfill a Carolina Core requirement

must be passed with a grade of C or higher

Course	Title	Credits
GEOG 103	Introduction to Geography (*)	3
GEOG 104	Introduction to Physical Geography (*)	3
GEOG 105	The Digital Earth (*)	3
GEOG 121	Globalization and World Regions (*)	3
GEOG 201	Landform Geography (*)	4
GEOG 202	Weather and Climate (*)	4
GEOG 210	Peoples, Places, and Environments (*)	3

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all**

major courses as well as any prescribed courses noted (*) in the bulletin.

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences. (p. 286) Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 4-25 hours of electives will be needed to reach hours to graduate, if completing the B.A. with Distinction.

4. Major Requirements (24 hours)

a minimum grade of C is required in all major courses

Major Courses (6 hours)

Course	Title	Credits
GEOG 495	Seminar in Geography	3
Select one of the following:		3
GEOG 341	Cartography	
GEOG 345	Interpretation of Aerial Photographs	
GEOG 363	Geographic Information Systems	

GEOG 551	Principles of Remote Sensing
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Total Credit Hours

6

Major Electives (18 hours)

- Select 5-6 GEOG courses with advisor's approval that are tailored towards a topical, methodological, or geographical focus.

Note: Majors may take up to 9 hours of GEOG courses at the 200-level to fulfill major requirements; 6 hours must be at the 500-level. GEOG 595 can be used to fulfill up to 3 hours of geography elective credit, but not the 500-level requirement. Courses used to fulfill Carolina Core or College Requirements may not be used again to fulfill these requirements.

B.A. with Distinction in Geography (36 hours)

Available to students majoring in Geography who wish to participate in significant research activities in their major field under the supervision of a faculty mentor.

Prerequisite

A minimum GPA of 3.50 in the major, and 3.30 cumulative, is required to apply for a BA or BS with Distinction in Geography.

Requirements

- Students must submit a written application for the BA with Distinction in Geography at least eight months before completion of the degree.
- Written sponsorship agreement from a Geography faculty mentor on file in the department.
- An established thesis committee consisting of a tenure-track faculty member in Geography and at least one other tenure-track or research faculty member at the University of South Carolina.
- A written thesis demonstrating significant original work and approved by the thesis committee.
- A public presentation of the Senior Thesis research.
- Successful fulfillment of all requirements below with a minimum GPA of 3.50 in the major and 3.30 cumulative.
- General major requirements, plus 12 additional credit hours including:
 - A minimum of nine credit hours in GEOG 498, or any GEOG 500-level courses (9 hours)
 - GEOG 499

Note: South Carolina Honors College students satisfying the above requirements will graduate with "Honors from the South Carolina Honors College" and with "Distinction in Geography."

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Geography, B.A.

Geography, B.S.

Learning Outcomes

1. Students will demonstrate the ability to communicate in written and oral forms. These outcomes are evaluated together because they are connected for our students who often are in careers where their written work is the substance of their oral presentations. We see the linkage of the two to be the most important aspect.
2. Students will demonstrate understanding of and the use of one geographical technique such as GIS, remote sensing, cartography, or spatial statistics.
3. Students will demonstrate their knowledge of the central themes within the discipline.
4. Students will be prepared for careers in the field or for graduate study in geography.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	33-49
4. Major Requirements	24-25

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina

Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 122* or MATH 141*
- MATH 142* or MATH 170* or MATH 172*

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Choose at least 1 of the following to fulfill a Carolina Core requirement

must be passed with a grade of C or higher

Course	Title	Credits
GEOG 103	Introduction to Geography (*)	3
GEOG 104	Introduction to Physical Geography (*)	3
GEOG 105	The Digital Earth (*)	3
GEOG 121	Geographies of Global Change (*)	3
GEOG 201	Landform Geography (*)	4
GEOG 202	Weather and Climate (*)	4
GEOG 210	Peoples, Places, and Environments (*)	3

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Course	Title	Credits
STAT 201	Elementary Statistics (*)	3
CSCE 102	General Applications Programming (*)	3
Total Credit Hours		6

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/)

3. Program Requirements (33-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (15-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 4-25 hours of electives will be needed to reach hours to graduate, if completing the B.S. with Distinction.

4. Major Requirements (24-25 hours)

A minimum grade of C is required in all major courses.

Concentrations (24-25 hours)

Students must choose one of the following three concentrations:

General Geography (24 hours)

At least two courses for the major must be from the 500-level. GEOG 595 can be used to fulfill up to 3 hours of geography elective credit, but not the 500-level requirement.

Course	Title	Credits
GEOG 495	Seminar in Geography	3
Geography Elective: Select two courses at the 200-level or above with advisor's approval. ¹		6
Select 15 hours from the following: ¹		15
GEOG 285	Introduction to Drones for Airborne Spatial Data	
GEOG 310	Topics in Geography	
GEOG 311	Cultural Geography	
GEOG 312	Geography and Global Geopolitics	
GEOG 313	Economic Geography	
GEOG 321	Sustainable Cities	
GEOG 324	Landscapes of the United States	
GEOG 330	The Geography of Disasters	
GEOG 341	Cartography	
GEOG 343	Environment and Society	
GEOG 344	Geographies of American Cities	
GEOG 345	Interpretation of Aerial Photographs	
GEOG 346	Climate and Society	
GEOG 347	Water as a Resource	
GEOG 348	Biogeography	
GEOG 349	Cartographic Animation	
GEOG 360	Geography of Wind	
GEOG 363	Geographic Information Systems	
GEOG 365	Hurricanes and Tropical Climatology	
GEOG 370	America's National Parks	
GEOG 371	Air Pollution Climatology	
GEOG 378	World Tourism Geography	
GEOG 510	Special Topics in Geographic Research	
GEOG 511	Planning and Locational Analysis	
GEOG 512	Migration and Globalization	
GEOG 515	Political Geography	
GEOG 516	Coastal Zone Management	
GEOG 521	Landscapes of South Carolina	
GEOG 525	Geographical Analysis of Transportation	
GEOG 530	Environmental Hazards	
GEOG 531	Quantitative Methods in Geographic Research	
GEOG 535	Hazards Analysis and Planning	
GEOG 541	Advanced Cartography	
GEOG 542	Dynamic Cartography	
GEOG 544	Geography of the City	
GEOG 545	Synoptic Meteorology	
GEOG 546	Applied Climatology	
GEOG 547	Fluvial Geomorphology	

GEOG 549	Water and Watersheds
GEOG 551	Principles of Remote Sensing
GEOG 552	LiDARgrammetric and Photogrammetric Digital Surface Mapping
GEOG 554	Spatial Programming
GEOG 556	WebGIS
GEOG 560	Source Materials for Geographic Instruction
GEOG 561	Contemporary Issues in Geography Education
GEOG 562	Satellite Mapping and the Global Positioning System
GEOG 563	Advanced Geographic Information Systems
GEOG 564	GIS-Based Modeling
GEOG 565	Geographic Information System (GIS) Databases and Their Use
GEOG 566	Social Aspects of Environmental Planning and Management
GEOG 567	Long-Term Environmental Change
GEOG 568	Human Dimensions of Global Environmental Change
GEOG 569	International Development and the Environment
GEOG 570	Geography of Public Land and Water Policy
GEOG 571	Microclimatology
GEOG 573	Climatic Change and Variability
GEOG 575	Digital Techniques and Applications in Remote Sensing
GEOG 581	Globalization and Cultural Questions
GEOG 590	Beach-Dune Interactions

Total Credit Hours 24

¹ Courses used to fulfill Carolina Core or College Requirements may not be used again to fulfill these requirements.

Geographic Information Science (24-25 hours)

At least two courses for the major must be from the 500-level. GEOG 595 can be used to fulfill up to 3 hours of geography elective credit, but not the 500-level requirement.

Course	Title	Credits
GEOG 363	Geographic Information Systems	3
Select two of the following:		6
GEOG 341	Cartography	
GEOG 345	Interpretation of Aerial Photographs	
GEOG 531	Quantitative Methods in Geographic Research	
Select three of the following: ¹		9
GEOG 285	Introduction to Drones for Airborne Spatial Data	
GEOG 349	Cartographic Animation	
GEOG 535	Hazards Analysis and Planning	
GEOG 541	Advanced Cartography	
GEOG 542	Dynamic Cartography	
GEOG 551	Principles of Remote Sensing	
GEOG 552	LiDARgrammetric and Photogrammetric Digital Surface Mapping	
GEOG 554	Spatial Programming	
GEOG 556	WebGIS	

GEOG 562	Satellite Mapping and the Global Positioning System	
GEOG 563	Advanced Geographic Information Systems	
GEOG 564	GIS-Based Modeling	
GEOG 565	Geographic Information System (GIS) Databases and Their Use	
GEOG 575	Digital Techniques and Applications in Remote Sensing	
GEOG 495	Seminar in Geography	3
Geography Elective: Select one non-GIScience course at the 200-level 3-4 or above with advisor's approval from the following list:		
GEOG 201	Landform Geography	
GEOG 202	Weather and Climate	
GEOG 210	Peoples, Places, and Environments	
GEOG 221	Geography of South Carolina	
GEOG 223	Geography of Latin America	
GEOG 224	Geography of North America	
GEOG 225	Geography of Europe	
GEOG 226	Geography of the Middle East	
GEOG 228	Geography of Sub-Saharan Africa	
GEOG 310	Topics in Geography	
GEOG 311	Cultural Geography	
GEOG 312	Geography and Global Geopolitics	
GEOG 313	Economic Geography	
GEOG 319	Cities in a Changing World	
GEOG 321	Sustainable Cities	
GEOG 324	Landscapes of the United States	
GEOG 330	The Geography of Disasters	
GEOG 343	Environment and Society	
GEOG 344	Geographies of American Cities	
GEOG 346	Climate and Society	
GEOG 347	Water as a Resource	
GEOG 348	Biogeography	
GEOG 360	Geography of Wind	
GEOG 365	Hurricanes and Tropical Climatology	
GEOG 370	America's National Parks	
GEOG 371	Air Pollution Climatology	
GEOG 378	World Tourism Geography	
GEOG 380	Global Geography of Human Rights	
GEOG 510	Special Topics in Geographic Research	
GEOG 511	Planning and Locational Analysis	
GEOG 512	Migration and Globalization	
GEOG 515	Political Geography	
GEOG 516	Coastal Zone Management	
GEOG 521	Landscapes of South Carolina	
GEOG 525	Geographical Analysis of Transportation	
GEOG 530	Environmental Hazards	
GEOG 531	Quantitative Methods in Geographic Research	
GEOG 535	Hazards Analysis and Planning	
GEOG 538	Global Food Politics	
GEOG 544	Geography of the City	
GEOG 545	Synoptic Meteorology	
GEOG 546	Applied Climatology	

GEOG 547	Fluvial Geomorphology	
GEOG 549	Water and Watersheds	
GEOG 560	Source Materials for Geographic Instruction	
GEOG 561	Contemporary Issues in Geography Education	
GEOG 566	Social Aspects of Environmental Planning and Management	
GEOG 567	Long-Term Environmental Change	
GEOG 568	Human Dimensions of Global Environmental Change	
GEOG 569	International Development and the Environment	
GEOG 570	Geography of Public Land and Water Policy	
GEOG 571	Microclimatology	
GEOG 573	Climatic Change and Variability	
GEOG 581	Globalization and Cultural Questions	
GEOG 590	Beach-Dune Interactions	

Total Credit Hours **24-25**

¹ GEOG 341, GEOG 345 or GEOG 531 may be used if not used above.

Physical/Environmental Geography (24 hours)

At least two courses for the major must be from the 500-level. GEOG 595 can be used to fulfill up to 3 hours of geography elective credit, but not the 500-level requirement.

Course	Title	Credits
Select one of the following:		
GEOG 341	Cartography	3
GEOG 345	Interpretation of Aerial Photographs	
GEOG 363	Geographic Information Systems	
GEOG 551	Principles of Remote Sensing	
GEOG 495	Seminar in Geography	3
Select 5-6 courses from the following: ¹		
GEOG 330	The Geography of Disasters	
GEOG 343	Environment and Society	
GEOG 346	Climate and Society	
GEOG 347	Water as a Resource	
GEOG 348	Biogeography	
GEOG 360	Geography of Wind	
GEOG 365	Hurricanes and Tropical Climatology	
GEOG 370	America's National Parks	
GEOG 371	Air Pollution Climatology	
GEOG 516	Coastal Zone Management	
GEOG 530	Environmental Hazards	
GEOG 535	Hazards Analysis and Planning	
GEOG 545	Synoptic Meteorology	
GEOG 546	Applied Climatology	
GEOG 547	Fluvial Geomorphology	
GEOG 549	Water and Watersheds	
GEOG 566	Social Aspects of Environmental Planning and Management	
GEOG 567	Long-Term Environmental Change	
GEOG 568	Human Dimensions of Global Environmental Change	
GEOG 569	International Development and the Environment	

GEOG 570	Geography of Public Land and Water Policy
GEOG 571	Microclimatology
GEOG 573	Climatic Change and Variability
GEOG 590	Beach-Dune Interactions

Total Credit Hours **24**

¹ GEOG 201 or GEOG 202 may be used if not used to satisfy Carolina Core or College Requirements.

B.S. with Distinction in Geography (36 hours)

Available to students majoring in Geography who wish to participate in significant research activities in their major field under the supervision of a faculty mentor.

Prerequisite

A minimum GPA of 3.50 in the major, and 3.30 cumulative, is required to apply for a BA or BS with Distinction in Geography.

Requirements

- Students must submit a written application for the BS with Distinction in Geography at least eight months before completion of the degree.
- Written sponsorship agreement from a Geography faculty mentor on file in the department.
- An established thesis committee consisting of a tenure-track faculty member in Geography and at least one other tenure-track or research faculty member at the University of South Carolina.
- A written thesis demonstrating significant original work and approved by the thesis committee.
- A public presentation of the Senior Thesis research.
- Successful fulfillment of all requirements below with a minimum GPA of 3.50 in the major and 3.30 cumulative.
- General major requirements, plus 12 additional credit hours including:
 - A minimum of nine credit hours in GEOG 498, or any GEOG 500-level courses (9 hours)
 - GEOG 499

Note: South Carolina Honors College students satisfying the above requirements will graduate with "Honors from the South Carolina Honors College" and with "Distinction in Geography."

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Geography, B.S. General Geography Concentration

Geography, B.S. Geographic Information Science Concentration

Geography, B.S. Physical/Environmental Geography Concentration

Global Studies

Department Website (https://www.sc.edu/study/colleges_schools/artsandsciences/global_studies/)

The Global Studies Program is housed in the College of Arts and Sciences and features the Bachelor of Arts in Global Studies, established in 2016. This degree program encourages interdisciplinary study of global issues while promoting cross-cultural perspectives.

Students in the Global Studies Degree program will focus on one of four themes: Global Health, Global Conflict and Security, Global Sustainability and Development, and Global Cultures. These themes are then applied to one of six world regions: Africa, Asia, Europe, Latin America, Middle East and North Africa, and Russia & Eurasia. The major also features a Leadership in the Global Economy concentration.

Programs

- Global Studies, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/global-studies/global-studies-ba/>)

Courses

GLST 220 - Introduction to Global Studies Through Literature (3 Credits)

Given that literature represents real policies and practices in the contemporary world and our ethical responsibility as global citizens, the course will focus on literature from different periods, nations, and regions across the world in order to better understand the way human experiences and different cultures relate. All literature will be read and taught in English.

GLST 300 - Introduction to International Development (3 Credits)

Critical, historical, and theoretical introduction to modern development practice. Includes extended discussions of contemporary best practices in the field.

GLST 308 - Global Media Industries (3 Credits)

Provides the foundation for the study of globalized film and media industries.

Cross-listed course: FAMS 308

GLST 369 - History of Capitalism 1: Ancient and Medieval World (3 Credits)

History of "capitalist" economic behavior and culture in various premodern societies: the Ancient Middle East, Classical Greece, the Roman Empire, early Islamic society, medieval Christian and Islamic states, the Mongol period and the era of global expansionism; evaluation of competing theories about premodern economic life and the meaning of "capitalism"

GLST 370 - History of Capitalism From the Industrial Revolution to the Global Economy (3 Credits)

A history of capitalism and its evolving definitions in Europe from the Middle Ages to the 20th Century, including its role in agriculture, mechanical industry, international trade, and colonialism and domination.

GLST 391 - Topics in Global Studies (3 Credits)

Selected topics in Global Studies. May be repeated with a change in topic. May be taken three times for credit.

GLST 490 - Global Studies Internship (1-3 Credits)

Academic counterpart to a professional work experience in which global or international affairs play a central role. Provides an introduction to foreign affairs and intercultural interactions in a working environment. Introduction to career possibilities for a student trained in global studies. Global Studies major with 3.0 or better GPA and completion of at least 45 credits.

Prerequisites: Two courses from the following: ANTH 102; GEOG 121; GEOG 210; LING 101; POLI 101; RELG 101.

History

Department Website (https://sc.edu/study/colleges_schools/artsandsciences/history/index.php/front-page/)

Jessica Efenbein, *Chair*

The Department of History offers the Bachelor of Arts degree with a major in History and an 18-credit minor. The major offers undergraduates a high degree of flexibility in choosing their pathway through the major.

Upper division (300 and 400-level) classes have roughly the same expectations and rigor; these numbers denote geography, not intensity. Our 400-level classes explore the Americas while the 300-level classes investigate other parts of the globe. Undergraduate majors are required to take a gateway course (HIST 300), a senior capstone seminar (HIST 497/498), and a handful of electives that ensure broad exposure to different time periods and geographic areas.

Beyond these requirements, students can choose among electives that interest them or decide to declare an area of focus within the major that investigates global connections (e.g., War and International Relations), focuses on one region (e.g., Latin America), or explores a theme historically (e.g., Media and Digital History). To graduate with Distinction in History, students must maintain a high grade-point average, complete additional credit hours, and undertake supplementary research and writing on a senior project that earns the mark of "distinction." Students who are studying to be secondary social science teachers may complete the BA in History and the Masters of Teaching (MT) program in just over five years.

The Department has one of the country's oldest and most esteemed graduate public history programs. At the undergraduate level, students may choose from an array of courses in public history, some of which include an internship in a museum, archive, or public institution. We also offer an undergraduate area of focus in public history.

Programs

- History Minor (p. 96)
- History, B.A. (p. 96)

Courses

HIST 101 - European Civilization from Ancient Times to the Mid-17th Century (3 Credits)

The rise and development of European civilization from its Mediterranean origins through the Renaissance and Reformation.

Carolina Core: GHS

HIST 102 - European Civilization from the Mid-17th Century (3 Credits)

European development and expansion from the mid-17th century to the present.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 103 - Introduction to South Asian History (3 Credits)

Political, cultural, and economic forces that have conditioned the development of institutions and ideas in South Asia.

Carolina Core: GHS

HIST 104 - Introduction to the Civilization of the Islamic Middle East (3 Credits)

An analysis which treats the major cultural elements of traditional Islamic civilization and then concentrates upon the reactions of the Arabs, Turks, and Iranians to the problems of adjusting to the modern world.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 105 - Introduction to East Asian Civilization (3 Credits)

The evolution of social, political, and cultural patterns in East Asia, with emphasis on the development of philosophical, religious, and political institutions and their relationship to literary and artistic forms in China and Japan.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 106 - Introduction to African History (3 Credits)

An examination of several traditional sub-Saharan African societies and of their political and economic transformation in the modern, colonial, and post-independence periods.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 107 - Introduction to Ancient Near Eastern Civilization (3 Credits)

The political, social, religious, economic, military, and intellectual development of Ancient Egypt, Mesopotamia, and adjoining areas from the origins of civilization until the seventh century A.D.

HIST 108 - Science and Technology in World History (3 Credits)

The development of science and technology and their roles in world civilizations from antiquity to the present.

Carolina Core: GHS, VSR

HIST 109 - Introduction to Latin American Civilization (3 Credits)

A discussion of the political, cultural, and economic forces which have conditioned the development of institutions and ideas in Spanish and Portuguese America.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 110 - Conquest, Colonization, and Captivity: A Cultural History of the Americas from 1441 to 1888 (3 Credits)

Comparative examination of conquest, colonization, and human captivity in the history, cultural values, and social ethics of European, African, and Indigenous civilizations in the Americas, 1441-1888.

Carolina Core: GHS, VSR

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 111 - United States History to 1865 (3 Credits)

A general survey of the United States from the era of discovery to 1865, emphasizing major political, economic, social, and intellectual developments.

Carolina Core: GHS

Founding Documents: FND Founding Documents

HIST 112 - United States History since 1865 (3 Credits)

A general survey of the United States from 1865 to the present, emphasizing major political, economic, social, and intellectual developments. Honors sections are available for students in the honors program.

Carolina Core: GHS

HIST 201 - American Founding Documents (3 Credits)

Introduction to Declaration of independence, Constitution, Federalist Papers, Bill of Rights, landmark Supreme Court cases and constitutional amendments; exploration of these texts' historical context and debates about their meaning.

Founding Documents: FND Founding Documents

HIST 213 - History of the American West (3 Credits)

The history and development of an American region, "the West," through the narratives of its diverse people and the effects of its complex geography.

HIST 214 - The Practice of Public History (3 Credits)

Introduction to the field of public history. Explores the challenges of portraying history in museums, parks, and other public history venues.

Carolina Core: GHS

HIST 215 - History of the Devil (3 Credits)

A survey of the beliefs and practices associated with the demonic and the Devil from c 500 B.C.E. to the 20th century.

Cross-listed course: RELG 206

HIST 300 - Introduction to the History Major: The Historian's Craft (3 Credits)

The nature of historical evidence, the formulation of historical questions, the process of historical research, and the construction of historical arguments using primary sources and secondary materials.

Graduation with Leadership Distinction: GLD: Research

HIST 301 - The Ancient Near East to 323 B.C. (3 Credits)

The formation of ancient Near Eastern cultures, the ultimate synthesis of these cultures and the resulting establishment of the Near East as an historical entity.

HIST 302 - Greek History and Civilization to 146 B.C. (3 Credits)

The origins and development of Greek civilization in its political, economic, social, and cultural aspects with special attention being given to the early and late classical periods and the Hellenistic Age.

HIST 303 - Roman Republic and Early Empire (3 Credits)

The origins of Rome and shaping of its republican government, the spread of Roman rule in Italy and across the Mediterranean, the establishment of the principate and formation of one diverse imperial society and culture.

HIST 304 - Late Antiquity: Imperial Rome to Islam (3 Credits)

Political, social and religious transformation of the Mediterranean world, 2nd to the 8th century., including the rise of Christianity, the decline of Roman power, and the rise of Islam.

HIST 305 - Greece and Rome in Film and Popular Culture (3 Credits)

Representations of antiquity in cinema, television, and other contemporary media, with emphasis on Hollywood's reception of Greek and Roman history.

Cross-listed course: CLAS 305

HIST 306 - Medieval Europe, ca. 300-1492 (3 Credits)

Topics include the formation of monarchies, the rise of Christianity, learning and universities, knighthood and social orders, and heresy and crusades.

HIST 307 - Family and Society in Europe, c. 1200-1700 (3 Credits)

Explores the concerns and importance of families in pre-modern Europe. Topics include household furnishings and management, social classes, gender roles, family law, marriages, business, children, feuds, and sexuality.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 308 - Magic and Witchcraft in Europe, c. 1200-1700 (3 Credits)

Practices of, reactions against, and ideas surrounding magic and witchcraft during the late Middle Ages and the time of Europe's "Great Witch Craze".

HIST 309 - Age of Renaissance (3 Credits)

Social, cultural, and artistic movements in Italy and northern Europe from the Black Death (c. 1350) to religious reforms and revolutions (c. 1520).

HIST 310 - Age of the Reformation (3 Credits)

Religious, social, and political reforms from the rise of local religious protests (c. 1450) to the crisis of the 17th century. The rise of Protestantism and reactions in Catholicism.

Graduation with Leadership Distinction: GLD: Research

HIST 311 - The Age of Absolutism, 1648-1789 (3 Credits)

A survey of European political, economic, and intellectual development from the age of Louis XIV to the eve of the French Revolution.

HIST 312 - French Revolution and Napoleon (3 Credits)

The changes in France and Europe during the revolutionary decade, the rise of Napoleon, and the establishment of French hegemony over the Continent.

HIST 313 - The Enlightenment (3 Credits)

Intellectual and cultural history of the Enlightenment with particular attention to its relationship with the colonial world and its challenges to eighteenth-century states. Readings focused on primary sources.

HIST 314 - Video Games and History (3 Credits)

History in video games; comparison of selected games with historical scholarship, to assess the validity of the games' presentations of historical developments and the value of games to the understanding of history.

HIST 316 - Nineteenth-Century Europe (3 Credits)

Political, social, economic, and intellectual developments from 1815-1900, which brought European culture to its zenith and contributed to Europe's global domination.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 317 - Contemporary Europe from World War I to World War II (3 Credits)

The Great War, revolution, and reconstruction; the rise of authoritarian and totalitarian regimes and the coming of World War II.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 318 - Europe from World War II to the Present (3 Credits)

The Second World War and its origins; the Cold War; European recovery; a divided continent and Europe in the Global Era.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 320 - The History of Great Britain I (3 Credits)

A survey of the political, social, economic, and cultural development of the British Isles from pre-history to the Restoration of 1660.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 321 - The History of Great Britain II (3 Credits)

A survey of the political, social, economic, and cultural development of the British Isles since 1660.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 323 - The British Empire (3 Credits)

Examination of the British Empire, tracing various historical themes as regions of world fell under British control, with particular attention to Ireland, India, and sub-Saharan Africa (especially South Africa) in the 17th Century-20th Century.

HIST 324 - Slavery and Freedom in the Ancient and Medieval World (3 Credits)

Exploration of varied forms of servitude in the ancient and medieval Mediterranean; examination of human bondage in the Hebrew Bible, ancient Greece, Roman society, late antique religious teachings, and medieval Christian and Islamic societies; study of ancient slavery in modern political debates, historians' writings, and television and film.

HIST 325 - Byzantine History: 4th to 11th Centuries (3 Credits)

The political, religious, and military developments within the Eastern Empire including its influence on Western and Slavonic Europe and Islam.

HIST 326 - Byzantine History: 11th to 15th Centuries (3 Credits)

The political and military developments within the Eastern Empire from the invasion of the Seljuk Turks to its final destruction by the Ottoman Turks.

HIST 327 - The Crusades (3 Credits)

Holy war and realpolitik in Mediterranean East-West relations from the 10th through the 15th centuries with emphasis on the role of the crusades in the cultural formation, development, and international relations of East and West.

HIST 328 - Nineteenth-Century Britain (3 Credits)

The political, economic, and social developments in Great Britain and Ireland during the Victorian Age.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 329 - Modern and Contemporary Britain (3 Credits)

The political, economic, and social developments in Great Britain and Ireland during the 20th century.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 331 - Black Experience in the United States to 1865 (3 Credits)

The social, cultural, economic, and political life of Black people in the United States to 1865.

Cross-listed course: AFAM 331

HIST 332 - Black Experience in the United States since 1865 (3 Credits)

The social, cultural, economic, and political life of Black people in the United States since 1865.

Cross-listed course: AFAM 332

HIST 333 - France Since 1815 (3 Credits)

A political and social history from the Bourbon Restoration to the present.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 334 - The History of Russia from the Earliest Times to the Mid-19th Century (3 Credits)

The earliest life on the steppe, the Kievan State, the foundations of Moscow, and the Russian empire to the reign of Nicholas I.

HIST 335 - The History of Modern Russia and the Soviet Union (3 Credits)

The decline of Imperial Russia, the Revolution of 1917, Lenin, Stalin, and the Soviet Union since Stalin.

HIST 336 - Russian and Soviet Diplomatic History (3 Credits)

Imperial and Soviet foreign and military policies in the 19th and 20th centuries.

HIST 337 - Stalinism (3 Credits)

Political, economic, social, and cultural development of the USSR from the 1917 Bolshevik revolution until the end of Stalin's rule.

HIST 338 - Modern Germany (3 Credits)

A survey of German history including political, cultural, social, and economic developments from unification in 1871 to the present.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 342 - The Slavs in History (3 Credits)

An introductory survey of the civilization of the Slavic peoples. The historical traditions and culture of the peoples that occupy much of the Eurasian continent.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 343 - The Fall of the Eastern European Empires (3 Credits)

Nineteenth-century eastern European states and peoples; the political and social forces leading to World War I.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 344 - Eastern Europe Since WWI (3 Credits)

Survey of states in East-central and Southeastern Europe. Problems of national identity, modernization, and small state politics. Impact of WWII, the Cold war, the fall of communism, and the return to pluralism.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 347 - The Middle East in Modern Times (3 Credits)

The impact of modern civilization upon the Middle East, including the history of the Arab, Turkish, Iranian, and Israeli segments of the Middle East during the 19th and 20th centuries.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 348 - North Africa from Colonialism to Revolution: 1830-1962 (3 Credits)

A survey of French North Africa (Morocco, Algeria, and Tunisia) and Libya under colonial rule. The creation, development, and triumph of the nationalist movements, with particular attention to Algeria and its revolution.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 349 - The Contemporary Middle East and North Africa (3 Credits)

Political, social, and economic history of the Middle East and North Africa in the years since World War II.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 350 - Saving Africa: Development and Humanitarianism in Historical Perspective (3 Credits)

Exploration of how and why Africa is often represented as helpless, the colonial origins of common patterns of development and humanitarianism, and other possible models for these processes.

HIST 351 - Africa to 1800 (3 Credits)

Social, cultural, economic, and political developments, focusing on internally and externally generated changes.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 352 - Africa since 1800 (3 Credits)

Commercial and religious revolutions of the 19th century, imposition and ending of formal colonial rule, and post-colonial issues.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 353 - Problems in the History of Africa South of the Sahara (3 Credits)

Independent readings and written papers on appropriate topics.

HIST 354 - Modern East Asia (3 Credits)

Surveys modern development of East Asia from 1800 to the present.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 355 - Late Imperial China (3 Credits)

Political, economic, social, and intellectual transformations of late imperial China from the Ming dynasty (1368-1644) through the last empire of China, the Qing dynasty (1644-1911).

HIST 356 - China Since 1949 (3 Credits)

Introduction to the major social, economic, and political changes in China from the Communist Revolution in 1949 to the present.

HIST 357 - Japan to 1800: Aristocrats and Warriors (3 Credits)

The growth of the ancient state and the evolution of the samurai class and its political authority.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 358 - Japan since 1800 (3 Credits)

The development of modern Japan: political evolution, industrial growth, social change, war, defeat, and occupation.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 360 - Into the Wild: Global Conservation since 1800 (3 Credits)

Global and comparative environmental-historical investigation of the ecological, socioeconomic, and cultural significance of wilderness protection, nature conservation, national parks, and nature tourism; field excursions required.

HIST 365 - East Africa and the Indian Ocean World (3 Credits)

East Africans' contributions to an Indian ocean World that transcends single nation-states (stretching from Mozambique and Somalia to the Middle east, India and China) from the deep past to the present, including sections on "piracy," Islam, slavery, race, and gender.

HIST 367 - Gandhi and the Nationalist Movement in India (3 Credits)

Development of anticolonial thought and political movements in British India from the early nineteenth century onwards. Focuses on Mohandas K. Gandhi, his critics, and Gandhi's continuing global legacy.

HIST 369 - History of Capitalism 1: Ancient and Medieval Worlds (3 Credits)

History of "capitalist" economic behavior and culture in various premodern societies: the Ancient Middle East, Classical Greece, the Roman Empire, early Islamic society, medieval Christian and Islamic states, the Mongol period and the era of global expansionism; evaluation of competing theories about premodern economic life and the meaning of "capitalism"

HIST 370 - History of Capitalism 2: From the Industrial Revolution to the Global Economy (3 Credits)

A history of capitalism and its evolving definitions in Europe from the Middle Ages to the 20th Century, including its role in agriculture, mechanical industry, international trade, and colonialism and domination.

HIST 371 - History of Airpower (3 Credits)

The evolution of airpower from the early 20th Century through the early 21st Century. The emphasis is on the development of various theories about the application of aerial force, and how operations in time of war have confirmed or challenged these theories from a multinational perspective.

HIST 372 - History of Modern Sea Power (3 Credits)

The evolution of sea power through the development of steam navies around the globe, 1860 CE - 2020 CE.

HIST 374 - Nationalism: Myth and Reality (3 Credits)

A comparative examination of the origins and development of nationalism and its impact on the modern world.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 375 - Nazis and Fascists in European History, 1919-1945 (3 Credits)

German and Italian political movements; emphasis on the role of leadership, propaganda, and ideology. Fascist movements in France, Rumania, Hungary, and Great Britain.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 376 - War and European Society, 1914-1945 (3 Credits)

Thematic examination of the nature and impact of total war on European society; emphasis on socio-economic, cultural, and military aspects.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 377 - Business in Historical Perspective (3 Credits)

Capitalism in the Western world; the rise of modern corporate enterprise in Europe and America since 1850.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 378 - Urban Experience in Modern Europe (3 Credits)

Social and cultural impact of urbanization in Europe since 1789 through a comparison of major cities such as London, Paris, Vienna, and Berlin.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 379 - Women in Modern Europe (3 Credits)

Survey of women in European history from the eighteenth to the twenty-first century. Focus on women's citizenship beginning with Enlightenment idea of rights through developments in modern feminism.

Cross-listed course: WGST 379

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 380 - History of the Holocaust (3 Credits)

Introduction to Nazi Germany's systematic mass-murder of Europe's Jews and other minorities during World War II. Examination of forces that led to the Holocaust, including scientific racism, Nazi policy implementation, and dynamics of annihilation during war.

Cross-listed course: JSTU 492

HIST 381 - The Nobel Peace Prize: Peace, War, and Politics (3 Credits)

Modern history through the lens of the Nobel Peace Prize. Limitations of the Nobel as encouragement to peace.

HIST 382 - History of Medicine: Antiquity to the Scientific Revolution (3 Credits)

A survey of the history of premodern medicine. How Western cultures of the past approached health and illness; anatomy; nutrition; sexuality; disease and plague; mental and emotional health; and more. From ancient Greece, through medieval and early modern Islamic, Jewish, and Christian approaches to medicine and the body.

HIST 383 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from late antiquity to 1500.

Cross-listed course: JSTU 381, RELG 381

HIST 384 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: JSTU 382, RELG 382

HIST 385 - The Expansion of Christianity (3 Credits)

Critical epochs in the spread of Christianity. Consideration of the great crises that shaped the structure and form of Christianity during the last 20 centuries: the Hellenistic world; the medieval syntheses; the breakup of Western Christian unity; the transition to worldwide mission activity in the industrial age.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 386 - Islamic Institutions and Traditions (3 Credits)

The religious, political, social and economic institutions and intellectual and scholarly traditions developed by Muslim societies throughout Afro-Eurasia from late antiquity to the present.

Cross-listed course: RELG 354

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 387 - Messiahs, Mystics and Rebels in the Islamic World (3 Credits)

Representative messianic movements, millenarian visionaries and apocalyptic imaginings in the Islamic world from the 7th century to the present, with attention to related developments in the Jewish and Christian traditions over the last two millennia.

Cross-listed course: RELG 368

HIST 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: JSTU 388, RELG 388

HIST 389 - Science, Magic and Religion (3 Credits)

Occultism as a link between science and religion and its central role in Western intellectual and cultural history; the historical development of the science-magic-religion continuum in the Islamo-Christian world from late antiquity to present.

Cross-listed course: RELG 362

HIST 390 - Engineering in History (3 Credits)

History of engineering practices, professions, and sciences, as well as development of engineered artifacts from the Middle Ages to the present.

HIST 391 - Information Technology: Past and Present (3 Credits)

The history of the computer; how it acquired various forms through the 20th century; how information, as defined by computers, had shaped the world over the past century.

HIST 392 - Making Modern Science: The Physical Sciences (3 Credits)

The history of physics, chemistry, geology, and related sciences since the Scientific Revolution.

HIST 393 - Making Modern Science: The Life Sciences (3 Credits)

The study of the life from antiquity to the present. Investigates the origins of modern biology and medicine and how life has shaped scientific, political, and economic thought.

HIST 394 - History of the Automobile (3 Credits)

Evolution of the automobile from a conceptual idea through the present-day. Emphasis on analysis of the automobile's impact on culture, economics, the environment, politics, science and technology, and society.

HIST 395 - Plagues and Societies in World History (3 Credits)

A survey of biopolitical, social, economic, and cultural aspects of epidemic diseases throughout world history.

HIST 396 - Evolution of Warfare I (3 Credits)

A history of tactics, strategy, weapons, and logistics from 500 B.C. to A.D. 1400.

HIST 397 - Evolution of Warfare II (3 Credits)

A history of tactics, strategy, weapons, and logistics from A.D. 1400 to the present.

HIST 398 - Sustainability in World History from Early Times to the Anthropocene (3 Credits)

An interdisciplinary examination of sustainability around the world from social, environmental, technological, and economic perspectives from early times to the present.

HIST 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

HIST 400 - Urban America in the Modern Age, 19th Century-present (3 Credits)

Survey of the urban history of the United States from the 19th Century through today.

HIST 401 - The Development of the American People to 1789 (3 Credits)

The founding of the English colonies, their developing maturity, the events leading to the Revolution, and the creation of a new nation.

HIST 402 - The New Nation, 1789-1828 (3 Credits)

The new republic and the developing democratic spirit in politics and culture.

HIST 403 - The Sections and the Nation, 1828-1860 (3 Credits)

The three cultures of East, South, and West; their interactions and the events leading to the Civil War.

HIST 404 - Civil War and Reconstruction, 1860-1877 (3 Credits)

The political, military, and social history of the War and the reorganization which followed.

HIST 405 - The Rise of Industrial America, 1877-1917 (3 Credits)

A survey of recent United States history with emphasis on the economic, social, and literary developments from 1877 to 1917.

HIST 406 - The United States and a World at War, 1917-1945 (3 Credits)

The United States and a World at War, 1917-1945.

HIST 407 - United States History Since 1945 (3 Credits)

A survey of the political, economic, social, and cultural developments in the period after World War II.

HIST 409 - The History of South Carolina, 1670-1865 (3 Credits)

A study of South Carolina origins and developments.

HIST 410 - History of South Carolina Since 1865 (3 Credits)

A survey of recent South Carolina history with emphasis on social and institutional development.

HIST 413 - History of Canada (3 Credits)

A survey of Canadian development from colony to modern nation.

HIST 415 - Voices of America: U.S. History Through Biography (3 Credits)

Historical exploration of the daily lives and personal stories of Americans through biographies and ethnographies.

HIST 416 - Histories of Native America (3 Credits)

Experiences of Native people in North America from the period before European colonization through the 21st Century.

HIST 420 - Colonial Latin America (3 Credits)

The establishment and consolidation of the Spanish and Portuguese empires in the Western hemisphere; interaction of Indians, Africans, and Iberians, and the formation of social, economic, and political traditions in Latin America; political independence.

Cross-listed course: LASP 341

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 421 - Modern Latin America (3 Credits)

Traditional society in the area and problems arising from social, economic, and political changes since independence; comparative studies of national responses to these problems.

Cross-listed course: LASP 342

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 422 - Social and Economic History of Latin America (3 Credits)

The evolution of social groups and changes in economic patterns in Latin America from pre-Columbian times to the present.

Cross-listed course: LASP 441

HIST 423 - History of Mexico (3 Credits)

Mexico from the pre-conquest period to the present, with an emphasis on modern Mexico.

Cross-listed course: LASP 442

HIST 425 - Caribbean Race and Slavery, 1500-1900 (3 Credits)

The roles race and slavery played in shaping Colonial Caribbean History from the pre-Columbian Civilizations to the end of the 19th century.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 434 - Everyday Life in Colonial America (3 Credits)

The customs, mores, attitudes, and living conditions of men and women of the 17th and 18th centuries. Emphasis on the common people of the American colonies.

HIST 435 - The American Revolution (3 Credits)

The causes of the Revolution; the events of the period and their implications.

HIST 442 - The Old South (3 Credits)

Development of Southern society and of the forces that made the South a distinctive section of the United States.

HIST 443 - The New South (3 Credits)

Reconstruction, the Bourbon era, agrarian revolt, industrial revolution, racial problems, and the changes resulting from the impact of two world wars and the New Deal (1865-1946).

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 444 - The Civil War in American History (3 Credits)

The causes, events, and results of the Civil War.

HIST 445 - The Reconstruction of the Nation (3 Credits)

The events and results of the attempt to reorder the American nation after the Civil War.

HIST 446 - Immigration and Ethnicity in America (3 Credits)

Issues of immigration, assimilation and nativism in the United States, 1840 to 1930.

HIST 447 - American Empire: Policy, Society, and Culture (3 Credits)

HIST 447 examines the full sweep of American history through the lens of empire, covering especially the linkages between U.S. foreign policy and American domestic culture.

HIST 448 - American Environmental History (3 Credits)

Interaction of cultural values, economic interests, public policy, and technology with the physical environment over time.

HIST 449 - American Popular Culture Since 1890 (3 Credits)

A history of the contributions of the popular aspects of American culture and their interactions with American institutions.

HIST 450 - LGBTQ History in the United States (3 Credits)

Exploration of LGBTQ history and communities in America from the Colonial Era to the present, using lenses of gender and sexuality to understand historical events.

Cross-listed course: WGST 450

HIST 451 - The History of American Medicine (3 Credits)

The development of the art and science of medicine as practiced in the United States from colonial times to Medicare. Emphasis on the social history of American medicine.

HIST 452 - The History of Science in America (3 Credits)

The development of science in America from colonial times to the present. Special attention will be given to defining those factors, scientific, economic, and social, which have raised American science to its commanding position in the 20th century.

HIST 453 - Technology and American Society (3 Credits)

The historical development of technologies and technological systems in the American context.

HIST 455 - The American Civil Rights Movement (3 Credits)

Examination of the origins of Jim Crow and the multi-faceted struggle against it, and other forms of racial inequality, in the American South and the rest of the US since the early 20th century.

Cross-listed course: AFAM 335

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

HIST 460 - American Thought to 1865 (3 Credits)

The transfer and adaptation of European ideas to a new environment and the development of new patterns.

HIST 461 - American Thought since 1865 (3 Credits)

The maturation and extension of a national culture.

HIST 462 - Southern Intellectual and Cultural History (3 Credits)

Intellectual and cultural developments characteristic of the Southern region from colonial times to the recent past.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 463 - Jim Crow: Histories & Revivals (3 Credits)

This course critically examines the continuities and discontinuities between Jim Crow and our current historical and political moment.

Cross-listed course: AFAM 463

HIST 464 - History of American Women (3 Credits)

The social, political, and economic roles and changing status of women in America.

Cross-listed course: WGST 464

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HIST 465 - American Diplomatic History (3 Credits)

A historical survey of American foreign policy and foreign relations. First semester: to World War I. Second semester: World War I to the present.

HIST 466 - American Diplomatic History (3 Credits)

A historical survey of American foreign policy and foreign relations. First semester: to World War I. Second semester: World War I to the present.

HIST 468 - American Military Experience (3 Credits)

Transformation of war and of the institutions for waging war from the American Revolution to the present.

Cross-listed course: ARMY 406

HIST 469 - Constitutional History of the United States (3 Credits)

A study of the constitutional development of the United States from the creation of the Articles of Confederation to the Civil War. It deals primarily with problems of governmental organization, judicial interpretation, and sectional politics.

HIST 470 - Constitutional History of the United States (3 Credits)

An analysis of the growth of constitutional power from 1860 to the present, giving special attention to the constitutional problems of the Civil War period, the increasing role of the judiciary in national affairs, and the general extension of constitutional authority in the 20th century.

Founding Documents: FND Founding Documents

HIST 471 - American Jewish History (3 Credits)

Examination of experiences of Jews in the United States from Colonial Period to late 20th century, especially Jewish immigration, political behavior, social mobility, religious affiliation, group identity formation, and meaning of Anti-Semitism in American and global contexts.

Cross-listed course: JSTU 471

HIST 475 - Historic Preservation (3 Credits)

Overview of historic preservation as the practice of protecting and conserving places that tell stories about the past.

HIST 476 - Digital History (3 Credits)

Introduction to Digital History that examines ways to engage and adapt the discipline of history to technological trends and explores new approaches and interpretive techniques.

HIST 478 - Material Culture in the Digital Age (3 Credits)

Examination of material culture (objects and artifacts a society produces) as primary sources for historical research; how these sources are transformed when digitized; and the nature of born-digital resources.

HIST 479 - Oral History (3 Credits)

Methodology, application and usage, historic and current literature, identification and examination of available resources.

Graduation with Leadership Distinction: GLD: Research

HIST 480 - Internship in Public History (3 Credits)

Professional practice in museums, archives, preservation organizations, and other agencies involved in historical research, advocacy, and preservation of historical resources and history programming for public audiences.

Experiential Learning: Experiential Learning Opportunity

HIST 492 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

HIST 493 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Research

HIST 494 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Research

HIST 497 - Senior Seminar (3 Credits)

Principles of historical research and writing as applied to the seminar topic. Open to history majors or by special permission of instructor.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 498 - Senior Seminar (3 Credits)

Principles of historical research and writing as applied to the seminar topic. Open to history majors or by special permission of instructor.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 499 - Senior Thesis (3 Credits)

Principles of historical research and writing. A senior year thesis related to one of the advanced courses in the major program.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 562 - The Middle East and the United States: 1800 to the Present (3 Credits)

Political, cultural, and economic ties which have linked the Middle East to the United States. Middle Eastern views of these relationships and their impact on modern Middle Eastern history.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 599 - Topics in History (3 Credits)

Reading and research on selected historical topics. Course content varies and will be announced in the schedule of classes by title.

HIST 640 - South Carolina History (3 Credits)

South Carolina since colonization.

HIST 641 - The American South Comes of Age (3 Credits)

Changes in the Southern region since 1940.

HIST 692 - Historic Preservation Field Experience--Charleston, S.C. (3 Credits)

On-site introduction to historic preservation including research, interpretation, management, and economics of preservation. Offered only in Charleston during summer term.

History Minor

Minor Requirements

Students must take 18 credit hours in History. It is optional for 6 of the 18 credit hours to be at the 200 level; all the rest of their course hours in History must be taken at the 300 level or higher.

Courses must have the approval of the student's advisor and an advisor in the History Department. The approval of the History advisor may come at any stage of the program.

History, B.A.

Learning Outcomes

- Students will locate and incorporate relevant historical sources in writing an assignment.
- Students will analyze the main points of a primary source (whether textual or non-textual), assess its nature or bias(es), and reach sound conclusions.
- Students will construct a historical argument with a clear thesis and sustain it over the length of a substantial essay or assignment.

- Students will demonstrate an understanding of the mechanics of historical writing and analysis, including proper grammar, syntax, sentence structure, and paragraph structure.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	31-46
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours) Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

Courses Acceptable for Social Science and Fine Arts or Humanities Credit in Degree Programs in the College of Arts and Sciences (p. 287)

- **Three** hours of Social Science
- **Nine** hours of Fine Arts or Humanities

3. Program Requirements (31-46 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or**

higher. At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (13-34 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (27 hours)

A minimum grade of C is required in all major courses.

Students may take up to 6 hours of History courses at the 200 level to fulfill major requirements; all the rest of their course hours in History must be taken at the 300 level or higher

Major Courses (15 hours)

Course	Title	Credits
HIST 300	Introduction to the History Major: The Historian's Craft ¹	3
U.S. History		
Select 1 course from U.S. History 300 or above		3
European History		
Select 1 course from European History 300 or above		3
World History		
Select 1 course from African, Middle Eastern, Asian, or Latin American History 300 or above		3
Chronological Breadth ^{2,3}		
Select 1 course (200-level or above) that substantially covers pre-modern societies		
Select 1 course (200-level or above) that substantially covers modern societies		
Senior Seminar or Thesis		
Select one of the following:		3
HIST 497	Senior Seminar	
HIST 498	Senior Seminar	
HIST 499	Senior Thesis	
SCHC 499	HNRS: Senior Thesis/Project ⁴	
Total Credit Hours		15

¹ Students should take HIST 300 as soon as possible after declaring their history major.

² Overlay: the same courses that fulfill these requirements may also fulfill other major requirements

³ Students may not use the same course to count for both of these chronological categories.

⁴ Honors Thesis may substitute if this thesis is directed by a member of the history faculty.

Major Electives (12 hours)

Select 4 additional history courses, 200-level or above. It is optional for 6 of the 12 credit hours to be at the 200 level; all the rest of their course hours in electives must be taken at the 300 level or higher. The Assistant Chair and Undergraduate Director will determine into which groups specific History courses fall in consultation with the faculty member teaching the class. The Undergraduate Committee of the History Department must approve exceptions to the distribution requirements.

B.A. with Distinction (36 hours)

Students who fulfill the requirements for the general major may earn a B.A. with Distinction upon the completion of the following additional requirements:

- Declare their intention to pursue a degree with distinction before the beginning of their senior year, that is, before they have begun the last 30 units of their undergraduate degree.
- Have a minimum 3.60 GPA in the major and 3.50 overall GPA at the time of declaration of intent and maintain these GPA requirements.
- Complete an additional 9 hours of History courses at the 200-level or higher (only 6 hours of 200-level History courses may count towards the requirements for the major and graduation with distinction).
- Notify the professor of their Senior Seminar or Thesis course in writing by the end of the first week of class that they intend to pursue a degree “with distinction” and complete to the professor’s satisfaction the additional research necessary for work “with distinction.”
- Public presentation of their research at Discovery Day.

Note: Students who want a degree “with distinction” from the History Department and a degree “with honors from the South Carolina Honors College” must complete two separate research projects.

The Warwick Exchange Program

Selected history majors spend the junior year at the University of Warwick, Coventry, England, and maintain normal progress toward graduation.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

History, B.A.

Interdisciplinary Studies (College of Arts and Sciences)

The College of Arts and Sciences offers two interdisciplinary studies degrees, the Bachelor of Arts in Interdisciplinary Studies (BAIS) and the Bachelor of Science in Interdisciplinary Studies (BSIS), for students who want to pursue interdisciplinary studies without a major in a single department or in one of the structured interdepartmental degree programs (African American studies, classics, European studies, film studies, Latin American studies, marine science, and women’s studies).

The Bachelor of Arts in Interdisciplinary Studies and the Bachelor of Science in Interdisciplinary Studies are not intended to be substitutes for approved major and minor programs. The degree programs are under the general supervision of the college Interdisciplinary Studies Committee, and individual programs are administered by special interdisciplinary program committees.

Bachelor of Arts in Interdisciplinary Studies programs in the College of Arts and Sciences must focus primarily on disciplines in the humanities, social sciences, and fine arts. Bachelor of Science in Interdisciplinary Studies programs in the College of Arts and Sciences must focus primarily on disciplines in the sciences, mathematics, and statistics; they may be particularly useful for students who plan to seek teacher certification in more than one science area.

A student who wishes to undertake a Bachelor of Arts in Interdisciplinary Studies shall apply to the Assistant Dean of the College of Arts and Sciences, Undergraduate Academic Affairs and Advising, Flinn Hall.

A student who wishes to undertake a Bachelor of Science in Interdisciplinary Studies shall apply to the Assistant Dean of the College of Arts and Sciences, Undergraduate Academic Affairs and Advising, Flinn Hall.

Programs

- Actuarial Mathematics and Statistics Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/interdisciplinary-studies/actuarial-mathematics-statistics-minor/>)
- African American Studies, B.A. (p. 100)
- African Studies Minor (p. 102)
- Asian Studies Minor (p. 103)
- European Studies Minor (p. 106)
- Global Studies, B.A. (p. 107)
- Interdisciplinary Studies, B.A.I.S. (College of Arts and Sciences) (p. 111)
- Interdisciplinary Studies, B.S.I.S. (College of Arts and Sciences) (p. 114)
- Islamic World Studies Minor (p. 116)
- Jewish Studies Minor (p. 117)
- Latin American Studies Minor (p. 117)
- Law and Society Interdisciplinary Minor (p. 117)
- Leadership Studies Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/interdisciplinary-studies/leadership-studies-minor/>)
- Linguistics Minor (p. 118)
- Medical Humanities and Culture Minor (p. 119)
- Neuroscience Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/interdisciplinary-studies/neuroscience-minor/>)
- Neurosciences, B.S. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/interdisciplinary-studies/neuroscience-bs/>)
- Renaissance Studies Minor (p. 119)
- Russian and Eurasian Studies Minor (p. 120)
- Southern Studies Minor (p. 120)
- Women’s and Gender Studies Minor (p. 120)
- Women’s and Gender Studies, B.A. (p. 121)

Courses

IDST 390 - Introduction to Interdisciplinary Inquiry (3 Credits)

A study of the history, philosophy, and theory of and modes of inquiry in interdisciplinary studies.

STEM 101 - Concepts and Connections: An Introduction to Science, Technology, Engineering and Mathematics (3 Credits)

This course introduces concepts, connections, and evolving relationships among the sciences engineering and mathematics to strengthen understanding of current ideas and applications of advancing technologies.

African American Studies, B.A.

Learning Outcomes

1. Majors will learn the importance of the principal movements, pivotal figures, and conceptual ideas that shape the academic study of African American experiences. Students will acquire the tools for contextualizing the dynamic realities of race in America and for analyzing their social, political, and cultural implications.
2. Majors will work across academic disciplines in the humanities and social sciences to synthesize the multiple roots and routes of intellectual inquiry within African American Studies. Students will interpret primary and secondary source material using both individual and collaborative methods of study.
3. Students will develop as scholars and researchers in African American Studies through effective oral, written, and aesthetic forms of communication. Assignments will emphasize the tasks of rigorous scholarship, including: critical thinking, creative expression, precise writing, constructive discussions, and standards of professional engagement.

Admissions

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	30

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3-hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-43 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (10-31 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (30 hours)

A minimum grade of C is required in all major courses

Major Courses (9 hours)

Course	Title	Credits
AFAM 201	Introduction to African American Studies: Social and Historical Foundations	3

AFAM 202	Introduction to African-American Studies	3
AFAM 498	Seminar in African-American Studies	3
or AFAM 499	Seminar in African-American Studies	
Total Credit Hours		9

Major Electives (21 hours)

Course	Title	Credits
Arts and Culture		6

Select two courses from the following list:

AFAM 207	Introduction to African American Religions
AFAM 303	African-American Cultures
AFAM 308	African-American Feminist Theory
AFAM 343	Religions of the African Diaspora
AFAM 380	Cultural History of Hip Hop Music
AFAM 393	Race and Science Fiction
AFAM 398	Special Topics in African-American Arts and Cultures
AFAM 399	Independent Study
AFAM 420	Slavery, Literature & Culture
AFAM 428A	African-American Literature I: to 1903
AFAM 428B	African-American Literature II: 1903 – Present
AFAM 438D	African Literature
AFAM 438E	Caribbean Literature
AFAM 442	African-American English
AFAM 486	African-American Rhetoric
AFAM 487	Black Women Writers
AFAM 515	Race, Gender, and Graphic Novels
AFAM 517	An Anthropological View of Blacks in Film
AFAM 565	African American Theatre
AFAM 580	Culture and Identity in the African Diaspora

Society and History **6**

Select two courses from the following list:

AFAM 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary
AFAM 330	Psychology and the African-American Experience
AFAM 331	Black Experience in the United States to 1865
AFAM 332	Black Experience in the United States since 1865
AFAM 335	The American Civil Rights Movement
AFAM 348	Environmental Racism and Justice
AFAM 350	Antiracist Education
AFAM 353	Introduction to U.S. Racial and Ethnic Politics
AFAM 355	Race and Ethnic Relations
AFAM 364	African-American Politics
AFAM 365	Medical Experimentation and the Black Body
AFAM 366	Medicine, Disease, and Slavery
AFAM 397	Special Topics in African American Society and History
AFAM 402	African American Political Thought
AFAM 463	Jim Crow: Histories & Revivals
AFAM 476	Black Activism

Additional Electives **9**

Students choose three additional courses from AFAM 300 or higher.

Note: Selected courses may apply only once in one category.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

African American Studies, B.A.

African Studies Minor

Minor Requirements (18 Hours)

Additional Courses (9 Hours)

Course	Title	Credits
Select two courses from the following:		6

ECON 505	International Development Economics
FREN 453	Francophone Literatures and Cultures
GEOG 560	Source Materials for Geographic Instruction
HIST 351	Africa to 1800
HIST 352	Africa since 1800
POLI 380	Comparative Politics of Developing Countries
POLI 432	Nationalism and Ethnicity in World Politics
SWAH 121	Elementary Swahili
SWAH 122	Basic Proficiency in Swahili

Select one course from the following: **3**

ARAB 121	Elementary Arabic
ARAB 122	Basic Proficiency in Arabic
ARAB 201	Intermediate Arabic
ARAB 202	Intermediate Arabic
ARAB 398	Selected Topics
ECON 505	International Development Economics
FREN 453	Francophone Literatures and Cultures
GEOG 569	International Development and the Environment
HIST 104	Introduction to the Civilization of the Islamic Middle East
HIST 348	North Africa from Colonialism to Revolution: 1830-1962
HIST 349	The Contemporary Middle East and North Africa
HIST 104	Introduction to the Civilization of the Islamic Middle East
HIST 348	North Africa from Colonialism to Revolution: 1830-1962
HIST 349	The Contemporary Middle East and North Africa
HIST 351	Africa to 1800
HIST 352	Africa since 1800
HIST 386	Islamic Institutions and Traditions
POLI 380	Comparative Politics of Developing Countries

POLI 432	Nationalism and Ethnicity in World Politics
POLI 433	Economic Aspects of International Politics
RELG 354	Islamic Institutions and Traditions
SWAH 121	Elementary Swahili
SWAH 122	Basic Proficiency in Swahili
Total Credit Hours	9

Core Courses (6 Hours)

Course	Title	Credits
Select two courses from the following:		
HIST 106	Introduction to African History	6
GEOG 228	Geography of Sub-Saharan Africa	
ANTH 236	Cultures of Africa	
Total Credit Hours		6

Courses on North Africa and the Middle East (3-6 Hours)

Course	Title	Credits
Select two or three courses from the following:		
ARAB 121	Elementary Arabic	3-6
ARAB 122	Basic Proficiency in Arabic	
ARAB 201	Intermediate Arabic	
ARAB 202	Intermediate Arabic	
ARAB 398	Selected Topics	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 348	North Africa from Colonialism to Revolution: 1830-1962	
HIST 349	The Contemporary Middle East and North Africa	
HIST 386	Islamic Institutions and Traditions	
RELG 354	Islamic Institutions and Traditions	
Total Credit Hours		3-6

Note: In addition, a student may petition the African Studies Program to apply special topic or independent study courses with substantial African content towards the minor.

Asian Studies Minor

Minor Requirements (18 Hours)

The minor in Asian Studies requires a minimum of 18 credit hours from the courses listed below or other related courses pre-approved by the director of the program. It must include courses from at least three groups listed below. Of the 18 hours, at least 12 must be 300-level or above. In addition, the student is encouraged to take courses in Chinese or Japanese. One 3-hour 200-level course in Chinese or Japanese can be counted towards the minor.

Group I (History)

Course	Title	Credits
HIST 357	Japan to 1800: Aristocrats and Warriors	3
HIST 358	Japan since 1800	3
HIST 354	Modern East Asia	3
HIST 355	Late Imperial China	3

HIST 356	China Since 1949	3
HIST 367	Gandhi and the Nationalist Movement in India	3

Group II (Political Science)

Course	Title	Credits
POLI 444	International Relations in Japan	3
POLI 448	Politics and Government of China	3
POLI 489	Politics and Government of Japan	3

Group III (Anthropology)

Course	Title	Credits
ANTH 242	Chinese Popular Culture	3
ANTH 512	Gender Issues in China	3

Group IV (Literature, Culture and Film Studies)

Course	Title	Credits
ARTH 345	History of Asian Art	3
ARTH 545	Special Topics in Modern Chinese Art	3
ARTH 546	Special Topics in Asian Art	3
CHIN 398	Selected Topics	3
CHIN 550	Advanced Special Topics in Chinese Studies	3
CHIN 240	Chinese Culture, Tradition, and Modern Societies	3
CHIN 335	Women in China	3
CHIN 340	Introduction to Premodern Chinese Literature	3
CHIN 341	Modern Chinese Literature	3
CHIN 365	Screening China	3
JAPA 340	Introduction to Japanese Culture and Literature	3
JAPA 341	Modern Japanese Literature	3
JAPA 350	Japanese Culture and Society through Film	3
JAPA 351	Japanese Culture and Society through Theatre	3
CPLT 303	Great Books of the Eastern World	3

Note: Special topics courses dealing with Asia in departments such as Art History, Anthropology or Religious Studies will be included at the discretion of the Asian Studies faculty.

Cardiovascular Technology, B.S.

The Bachelor of Science degree with a major in cardiovascular technology is awarded upon the following:

1. satisfactory completion of at least 100 semester hours of academic work, including all courses prescribed in the curriculum below;
2. satisfactory completion of an intensive CVT training program, accredited by the Joint Review Committee on Education in Cardiovascular Technology.

Admissions

Admission to CVT training programs is very competitive, and only a limited number of candidates can be admitted in each class. For this reason the following retention standards are applied during the academic portion of this program at USC:

- Retention. Progressive GPA standards are enforced for continuation in the program. Upon completion of 30 credit hours a minimum GPA of 2.50 is required; at 60 credit hours a minimum GPA of 2.75 is required. Upon completion of the specified academic requirements,

only students who have gained admission into an approved CVT training facility will be retained in the program.

- Transfer students admitted to this degree program must complete the last 30 credit hours of academic work in residence at the University of South Carolina prior to entering the intensive CVT training program.
- Students who have already completed a CVT training program or CVT internship will not be eligible for acceptance into this major.

Additional Admissions Requirements

Admission to CVT training programs is very competitive, and only a limited number of candidates can be admitted in each class. For this reason the following retention standards are applied during the academic portion of this program at USC:

- Retention. Progressive GPA standards are enforced for continuation in the program. Upon completion of 30 credit hours a minimum GPA of 2.50 is required; at 60 credit hours a minimum GPA of 2.75 is required. Upon completion of the specified academic requirements, only students who have gained admission into an approved CVT training facility will be retained in the program.
- Transfer students admitted to this degree program must complete the last 30 credit hours of academic work in residence at the University of South Carolina prior to entering the intensive CVT training program.
- Students who have already completed a CVT training program or CVT internship will not be eligible for acceptance into this major.
- Students will demonstrate a solid base of knowledge in biology.
- Students will demonstrate a solid base of knowledge in chemistry.
- Students will demonstrate a full range of technical, procedural, and behavioral competencies needed for national certification as a cardiovascular technologist.

Degree Requirements (128 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	12-15
3. Program Requirements	24-32
4. Major Requirements	50

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 122* or MATH 141*
- STAT 201* (or equivalent) or higher

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- PHYS 201* & PHYS 201L*
- PHYS 202* & PHYS 202L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (12-15 hours)

Foreign Language (0-3 hours)

only if needed to meet 122-level proficiency

Analytical Reasoning (3 hours)

- CSCE 102*

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- CLAS 230*
- Courses Acceptable for Social Science and Fine Arts or Humanities Credit in Degree Programs in the College of Arts and Sciences (p. 287) (3 hours of Social Science)

3. Program Requirements (24-34 hours)

Supporting Courses (24 hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
BIOL 101	Biological Principles I (*)	3
BIOL 101L	Biological Principles I Laboratory (*)	1
BIOL 102	Biological Principles II (*)	3
BIOL 102L	Biological Principles II Laboratory (*)	1
CHEM 111	General Chemistry I (*)	3
CHEM 111L	General Chemistry I Lab (*)	1
CHEM 112	General Chemistry II (*)	3
CHEM 112L	General Chemistry II Lab (*)	1
BIOL 243	Human Anatomy and Physiology I (*)	3
BIOL 243L	Human Anatomy and Physiology Laboratory (*)	1
BIOL 244	Human Anatomy and Physiology II (*)	3
BIOL 244L	Human Anatomy and Physiology Laboratory (*)	1
Total Credit Hours		24

Cognate or Minor (0-18 hours)

Intensive Clinical Training Program: The 18-month intensive clinical training program replaces the cognate.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-10 hours)

No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (50 hours)

A minimum grade of C is required in all major courses.

Major Courses (14 hours)

Course	Title	Credits
BIOL 302	Cell and Molecular Biology	3
BIOL 303	Fundamental Genetics	3
CHEM 333	Organic Chemistry I	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1
CHEM 334	Organic Chemistry II	3
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1
Total Credit Hours		14

Major Electives (8 hours)

Course	Title	Credits
Select eight hours from the following:		8
BIOL/CHEM 300-699		
Total Credit Hours		8

CVT Training (28 hours)

Following the academic portion of the Cardiovascular Technology Program, an 18 months clinical training program in an approved facility¹ will be the final stage of the degree program. Students will be awarded 28 credit hours upon completion of the clinical portion of the training.

Students who have already completed a CVT training program or CVT internship will not be eligible for acceptance into this major.

¹ Providence Hospital, Columbia, SC and University Hospital, Augusta, GA

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Cardiovascular Technology, B.S.

European Studies Minor

European Studies is a program within the Richard L. Walker Institute of International and Area Studies offering an undergraduate minor. The minor is designed to provide a foundation for undergraduates in the College of Arts and Sciences who are interested in European history, cultures, geography, politics, and economics. Each student develops a program of study that combines work from two or more academic departments. Academic advisement is done by the program director in consultation with faculty from the participating departments.

Minor Requirements (18 Hours)

Required Courses (9 Hours)

Course	Title	Credits
EURO 300	Introduction to European Studies	3
Two European Language courses of 200-level or higher or equivalent		6
Total Credit Hours		9

Electives (9 Hours)

Course	Title	Credits
Select three courses involving more than one discipline and focusing on more than one country from the following:		9

ARTH 315	History of Medieval Art	
ARTH 320	History of Italian Renaissance Art	
ARTH 321	History of Northern Renaissance Art	
ARTH 325	History of Southern Baroque Art	
ARTH 326	History of Northern Baroque Art	
ARTH 327	History of 18th-Century European Art	
ARTH 330	History of 19th-Century European Art	
ARTH 335	History of 20th Century Art	
ECON 303	The International Economy	
ECON 408	History of Economic Thought	
ENGL 390	Great Books of the Western World I	
ENGL 391	Great Books of the Western World II	
ENGL 400	Early English Literature	
ENGL 401	Chaucer	
ENGL 402	Tudor Literature	
ENGL 403	The 17th Century	
ENGL 404	English Drama to 1660	
ENGL 405	Shakespeare's Tragedies	
ENGL 406	Shakespeare's Comedies and Histories	
ENGL 407	Milton	
ENGL 410	The Restoration and 18th Century	

ENGL 411	British Romantic Literature	
ENGL 412	Victorian Literature	
ENGL 413	Modern English Literature	
ENGL 414	English Drama Since 1660	
ENGL 415	The English Novel I	
ENGL 416	The English Novel II	
ENGL 419	Selected Topics in Pre-1800 Literature and Culture	
ENGL 438B	Scottish Literature	
ENGL 438C	Irish Literature	
ENGL 438E	Caribbean Literature	
HIST 306	Medieval Europe, ca. 300-1492	
HIST 307	Family and Society in Europe, c. 1200-1700	
HIST 308	Magic and Witchcraft in Europe, c. 1200-1700	
HIST 311	The Age of Absolutism, 1648-1789	
HIST 312	French Revolution and Napoleon	
HIST 313	The Enlightenment	
HIST 316	Nineteenth-Century Europe	
HIST 317	Contemporary Europe from World War I to World War II	
HIST 318	Europe from World War II to the Present	
HIST 320	The History of Great Britain I	
HIST 321	The History of Great Britain II	
HIST 328	Nineteenth-Century Britain	
HIST 329	Modern and Contemporary Britain	
HIST 333	France Since 1815	
HIST 338	Modern Germany	
HIST 342	The Slavs in History	
HIST 343	The Fall of the Eastern European Empires	
HIST 344	Eastern Europe Since WWI	
HIST 374	Nationalism: Myth and Reality	
HIST 375	Nazis and Fascists in European History, 1919-1945	
HIST 376	War and European Society, 1914-1945	
HIST 377	Business in Historical Perspective	
HIST 378	Urban Experience in Modern Europe	
HIST 385	The Expansion of Christianity	
GEOG 225	Geography of Europe	
European Language courses of 300-level or higher ¹		
MUSC 353	History of Western Music I	
MUSC 354	History of Western Music II	
POLI 302	Classical and Medieval Political Theory	
POLI 381	Comparative Politics of Industrialized Countries	
POLI 391	Topics in Political Science	
POLI 440	Russian Foreign Policy	
POLI 480	Politics and Government of Russia	
POLI 481	Politics and Governments of Europe	
RELG 373	Literature and Film of the Holocaust	
THEA 561	History of the Theatre I	
THEA 562	History of the Theatre II	

Total Credit Hours **9**

¹ Content courses – culture, literature, history, etc. – not counted toward the EURO language requirement may be counted toward the minor, as well as equivalent courses taken abroad or taught in translation.

Note: Students minoring in European Studies may petition to substitute courses not on this list (e.g., special topics courses, May Term courses). For more information, visit <http://www.cas.sc.edu/euro/>.

Global Studies, B.A.

Students at the University of South Carolina are living in an increasingly globalized context in which economic, social, environmental, and cultural transformations in one part of the world can affect all others. The Global Studies major is a flexible, interdisciplinary degree program that familiarizes students with the complex historical and contemporary relationships and processes that link together people and places. By focusing on themes relating to globalization, the major also encourages students to recognize and to appreciate the world's diversity. To achieve this end, the major requires students to focus on a particular world region and to attain proficiency in a modern foreign language. The overall aim of the program is to foster in students a critical, global outlook that will allow them to engage with pressing global questions and to thrive in an interconnected world.

Learning Outcomes

- Global Studies majors will employ a variety of disciplinary perspectives to demonstrate a critical understanding of global processes and the theories and concepts used to explain and interpret these processes.
- Global Studies majors will evaluate the interactions between global and local processes by selecting a world region for intensive study.
- Global Studies majors will demonstrate expertise in key global issues through courses in one of four thematic areas: Global Development and Sustainability; Global Health; Global Conflict and Security Studies; and Global Cultural Studies.
- Global Studies majors will demonstrate proficiency in a foreign language, allowing them to study, work, travel, and/or conduct research outside of the United States.
- Students will demonstrate their preparation for appropriate careers or graduate studies.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee

that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	25-49
4. Major Requirements	24-33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

Note: Global Studies students pursuing the Leadership in the Global Economy concentration must select either MATH 122 or MATH 141 as one of their ARP-approved courses. Prerequisites may be applied to degree requirements, where appropriate.

SCI – Scientific Literacy (8 hours)

Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

CC-GFL courses (p. 741)

- *It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.*

Note: Global Studies students must demonstrate proficiency in one modern foreign language, approved by the advisor, at the advanced level by completing 6 hours in language courses numbered 300 and above or the equivalent. Courses in that foreign language at the beginning or intermediate levels (100 or 200-levels), if needed as prerequisites, may be applied to Carolina Core or College requirements, where appropriate.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

Select one from:

- ANTH 102*
- GEOG 121*
- GEOG 210*
- LING 101*
- POLI 101*
- RELG 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Note: Global Studies students must demonstrate proficiency in one modern foreign language, approved by the advisor, at the advanced level by completing 6 hours in language courses numbered 300 and above or the equivalent. Courses in that foreign language at the beginning or

intermediate levels (100 or 200-levels), if needed as prerequisites, may be applied to Carolina Core or College requirements, where appropriate.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - Select one of the following Social Science courses:
 - ANTH 102*
 - GEOG 121*
 - GEOG 210*
 - LING 101*
 - POLI 101*
 - RELG 101*
 - Note: Global Studies students pursuing the Leadership in the Global Economy concentration must use ECON 224* to fulfill the Social Science requirement.
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (25-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Recommended Cognates:

Course	Title	Credits
Diversity		
AFAM 580	Culture and Identity in the African Diaspora (*)	3
PSYC 487	Community Psychology (*)	3
SOCY 308	Community Organization (*)	3
WGST 381	Gender and Globalization (*)	3
Sustainability		
GEOG 321	Sustainable Cities (*)	3
ENVR 331	Integrating Sustainability (*)	3
ENVR 531	Sustainability Management and Leadership Strategies (*)	3-4
PHIL 322	Environmental Ethics (*)	3
Tourism and Management ¹		
HRTM 483	Tourism Economics (*)	3
HRTM 537	Diversity and Inclusion in the Hospitality and Tourism Industry (*)	3
HRTM 565	International Lodging Management (*)	3
HRTM 597	Global Travel and Tourism (*)	3

¹ Prerequisite: HRTM 280

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (7-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24-33 hours)

Selection of major courses must include at least one Carolina Core Integrative course: ANTH 355, ANTH 581, ENGL 437, ENGL 455, HRTM 482, LING 440, POLI 315, POLI 370, POLI 374, or a World Region course that is designated as Integrative.

Foreign Language (modern) (6 hours)

Two 300 or above level language courses

Global Theme or Concentration (6-19 hours)

Students must complete one theme or one concentration from the following lists. Special topics courses with appropriate content may be applied to the global theme or concentration requirement with approval of the advisor.

Global Themes (6 hours)

Course Title Credits

Select two courses selected from one of the following theme groups: 6

Course	Title	Credits
Global Development and Sustainability Studies:		
ANTH 208	Anthropology of Globalization and Development	
ANTH 381	Gender and Globalization	
ANTH 556	Language and Globalization	
ANTH 569	International Development and the Environment	
ANTH 581	Globalization and Cultural Questions	
ECON 224	Introduction to Economics	
ECON 548	Environmental Economics	
ENVR 231	Introduction to Sustainability Management and Leadership	
ENVR 295	Green Technology in Germany	
ENVR 322	Environmental Ethics	
ENVR 331	Integrating Sustainability	
ENVR 548	Environmental Economics	
GEOG 311	Cultural Geography	
GEOG 313	Economic Geography	
GEOG 343	Environment and Society	
GEOG 347	Water as a Resource	
GEOG 348	Biogeography	
GEOG 512	Migration and Globalization	
GEOG 568	Human Dimensions of Global Environmental Change	
GEOG 569	International Development and the Environment	
GEOG 581	Globalization and Cultural Questions	
GERM 295	Green Technology in Germany	
HIST 360	Into the Wild: Global Conservation since 1800	
HIST 448	American Environmental History	
HRTM 280	Foundations of Tourism	
HRTM 383	Ecotourism	
HRTM 482	Sustainable Tourism Planning and Policy	
HRTM 597	Global Travel and Tourism	
LING 556	Language and Globalization	
PHIL 322	Environmental Ethics	
POLI 380	Comparative Politics of Developing Countries	
POLI 433	Economic Aspects of International Politics	
RETL 485	Multi-National Retailing	
RETL 592	Retailing/Fashion Merchandising Field Study	
SOCY 315	Global Population Issues	
WGST 381	Gender and Globalization	
Global Health Studies:		
AFAM 365	Medical Experimentation and the Black Body	
ANTH 204	Plagues Past and Present	

ANTH 263	Medical Experimentation and the Black Body	POLI 383	Genocide: A Comparative Perspective
ANTH 388	Cultures, Pregnancy, and Birth	POLI 416	Revolution and Political Violence
ANTH 551	Medical Anthropology: Fieldwork	POLI 417	Theories of War in International Relations
ANTH 552	Medical Anthropology	POLI 420	International Law
ANTH 565	Health and Disease in the Past	POLI 421	Law and Contemporary International Problems
ENHS 321	Environmental Pollution and Health	POLI 432	Nationalism and Ethnicity in World Politics
ENHS 323	Global Environmental Health	POLI 442	Globalization and Security
ENVR 321	Environmental Pollution and Health	Global Cultural Studies:	
ENVR 323	Global Environmental Health	AFAM 202	Introduction to African-American Studies
EPID 410	Principles of Epidemiology	ANTH 355	Language, Culture, and Society
HPEB 470	Principles of Global Health	ANTH 381	Gender and Globalization
HPEB 551	Medical Anthropology: Field Work	ANTH 553	Anthropological Approaches to Narrative and Performance
HPEB 552	Medical Anthropology	ANTH 556	Language and Globalization
HPEB 621	Maternal and Child Health	ANTH 581	Globalization and Cultural Questions
HPEB 684	HIV/STI Prevention	ARTH 335	History of 20th Century Art
RELG 473	Religions, Medicines, and Healing	CHIN 335	Women in China
SOCY 360	Sociology of Medicine and Health	CPLT 270	World Literature
SOWK 307	Global Inequalities and Social Justice	CPLT 301	Great Books of the Western World I
WGST 113	Women's Health	CPLT 302	Great Books of the Western World II
WGST 388	Cultures, Pregnancy, and Birth	CPLT 303	Great Books of the Eastern World
WGST 621	Maternal and Child Health	EDUC 360	Global and Multicultural Perspectives on Education in International Settings
Global Conflict and Security Studies:			
ANTH 353	Anthropology of Law and Conflict	ENGL 270	World Literature
ANTH 535	Conflict Archaeology	ENGL 390	Great Books of the Western World I
ARMY 406	American Military Experience	ENGL 391	Great Books of the Western World II
GEOG 330	The Geography of Disasters	ENGL 392	Great Books of the Eastern World
GEOG 530	Environmental Hazards	ENGL 437	Women Writers
HIST 335	The History of Modern Russia and the Soviet Union	ENGL 455	Language in Society
HIST 338	Modern Germany	FAMS 240	Film and Media Analysis
HIST 347	The Middle East in Modern Times	FAMS 300	Film and Media History
HIST 352	Africa since 1800	FREN 397	The French Film Experience
HIST 354	Modern East Asia	GEOG 311	Cultural Geography
HIST 356	China Since 1949	GEOG 581	Globalization and Cultural Questions
HIST 358	Japan since 1800	GERM 280	German Culture and Civilization
HIST 374	Nationalism: Myth and Reality	GERM 518	German Sociolinguistics
HIST 376	War and European Society, 1914-1945	LING 340	Language, Culture, and Society
HIST 396	Evolution of Warfare I	LING 440	Language in Society
HIST 397	Evolution of Warfare II	LING 545	Anthropological Approaches to Narrative and Performance
HIST 406	The United States and a World at War, 1917-1945	LING 548	German Sociolinguistics
HIST 407	United States History Since 1945	RELG 333	Sex, Gender, and Religion
HIST 421	Modern Latin America	RELG 471	Race and Religion
HIST 465	American Diplomatic History	WGST 381	Gender and Globalization
HIST 466	American Diplomatic History	WGST 437	Women Writers
HIST 468	American Military Experience	<hr/>	
LASP 342	Modern Latin America	Total Credit Hours	6
LING 240	Language Conflict and Language Rights	Global Concentrations (12-19 hours)	
POLI 330	International Organization	Courses selected to fulfill one of the following concentrations:	
POLI 340	The Conduct and Formulation of United States Foreign Policy	Leadership in the Global Economy (15-19 hours)	
POLI 341	Contemporary United States Foreign Policy	Course	Title
POLI 342	National Security Policies of the United States	Prerequisite	Credits
Select one of the following:			

ACCT 222	Survey of Accounting
RETL 261 & 262	Principles of Accounting I and Principles of Accounting II
Required Courses	
Select one course from four of the following categories:	12-13
Environmental Studies:	
ENVR 322	Environmental Ethics
ENVR 531	Sustainability Management and Leadership Strategies
ENVR 548	Environmental Economics
Geography:	
GEOG 311	Cultural Geography
GEOG 312	Geography and Global Geopolitics
GEOG 313	Economic Geography
GEOG 569	International Development and the Environment
GEOG 581	Globalization and Cultural Questions
Journalism:	
JOUR 504	International Mass Communications
JOUR 542	Public Opinion and Persuasion
Management:	
MGMT 403	Leadership in Organizations
Music:	
MUSC 580	Music & Arts Entrepreneurship
MUSC 582	Music and Money
Philosophy:	
PHIL 320	Ethics
PHIL 322	Environmental Ethics
PHIL 323	Ethics of Science and Technology
PHIL 324	Business Ethics
Political Science:	
POLI 315	International Relations
POLI 330	International Organization
POLI 370	Introduction to Public Administration
POLI 371	Politics of Taxing and Spending
POLI 373	Regulatory Policies
POLI 374	Public Policy
POLI 433	Economic Aspects of International Politics
Library and Information Science:	
ISCI 315	Information Policy
ISCI 410	Knowledge Work as an Organizational Asset
ISCI 440	Competitive Intelligence
Social Work:	
SOWK 307	Global Inequalities and Social Justice
Women's and Gender Studies:	
WGST 352	Gender and Politics
WGST 381	Gender and Globalization

Total Credit Hours 15-19

World Region (9 hours)

Three courses selected from one of the following area studies groups. See entries for minors in these areas in the undergraduate Bulletin for lists of approved courses. Special topics courses with appropriate

content may be applied to the world region requirements with approval of the advisor.

- African Studies
- Asian Studies
- European Studies
- Middle East and North Africa (Islamic World Studies)
- Latin American Studies
- Russian and Eurasian Studies

Major Electives (0-3 hours)

One course from any of the approved global theme, global concentration, or world region courses. Students completing a concentration are exempt from this requirement.

Note: Students are strongly encouraged to spend a period of time overseas, preferably in a country where they can develop their language skills. Participating in a study abroad program or an overseas work experience are two ways to gain an international experience. A period of a semester or full year is most beneficial. Approved study abroad courses may apply to some Global Studies major requirements, with permission of the advisor and the College.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Global Studies, B.A. No Concentration

Global Studies, B.A. Leadership in the Global Economy Concentration

Interdisciplinary Studies, B.A.I.S. (College of Arts and Sciences)

Not accepting majors at this time

Learning Outcomes

- Students will identify interdisciplinary approaches to scholarship through thematic or problem-focused study. They will demonstrate the ability to use information, concepts, analytical approaches, and methods involved in at least two related fields.
- Students in the BAIS and BSIS programs will synthesize a personalized set of outcomes and independently work towards achieving them.
- Students in the BAIS or BSIS program will be admitted to graduate/professional school or will be hired in entry-level positions in their fields within three (3) years of graduation.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on

the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Not accepting majors at this time **Degree Requirements (120 hours)**

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	22-37
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (http://www.sc.edu/about/offices_/undergraduate/carolina-core-courses/and_divisions/provost/academicpriorities/undergradstudies/carolinacore/courses/foundational-courses.php?search=CMW)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours) **Foreign Language (0-3 hours)**

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (22-37 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or**

higher. At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (4-25 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (36 hours)

A minimum grade of C is required in all major courses.

Each student must complete a program of studies designed by an interdisciplinary program committee appointed by the College Academic Affairs and Advising Office. The program shall include a minimum of 36 semester hours of credit in major eligible courses in two or more fields. No course submitted in fulfillment of the general education requirements may be included in the program requirements. A maximum of 15 semester hours of independent study courses may be applied to the interdisciplinary studies program requirement.

Procedure

The following procedures shall be followed in designing a program of interdisciplinary studies:

- The candidate shall apply to the College Academic Affairs and Advising Office for declaration of an interdisciplinary studies program.
- The candidate must submit to the College Academic Affairs and Advising Office a written statement of goals concerning a potential interdisciplinary studies program.
- The College Academic Affairs and Advising Office will help the candidate formulate an interdisciplinary program committee, which shall consist of faculty members from the student's areas of interdisciplinary interest. The members of the interdisciplinary program committee shall be appointed by the College Academic Affairs and Advising Office, who will designate one member as chair and as the student's academic advisor.
- The interdisciplinary program committee shall meet with the student and prepare a program of studies leading to the Bachelor of Arts in Interdisciplinary Studies. This program shall include a written justification for the specific program of studies designed with the student. The program of study must be approved by the committee prior to the completion of 75 hours. The committee and College Academic Affairs and Advising Office must approve any subsequent changes in the student's program.
- The candidate's academic advisor shall advise the student each semester and shall sign the necessary registration and other advisor's forms. Advising shall adhere to the student's approved program of studies. The academic advisor shall consult with the interdisciplinary program committee for approval should deviation from the original program become necessary or advisable. All

changes shall be registered with the College Academic Affairs and Advising Office.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Interdisciplinary Studies, B.A.I.S.

Interdisciplinary Studies, B.S.I.S. (College of Arts and Sciences)

Learning Outcomes

- Students will identify interdisciplinary approaches to scholarship through thematic or problem-focused study. They will demonstrate the ability to use information, concepts, analytical approaches, and methods involved in at least two related fields.
- Students in the BAIS and BSIS programs will synthesize a personalized set of outcomes and independently work towards achieving them.
- Students in the BAIS or BSIS program will be admitted to graduate/professional school or will be hired in entry-level positions in their fields within three (3) years of graduation.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-18

3. Program Requirements	20-35
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 141* or MATH 122*
- MATH 142* or MATH 170* or MATH 172*

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Course	Title	Credits
STAT 201	Elementary Statistics (*)	3
CSCE 102	General Applications Programming (*)	3
Total Credit Hours		6

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/)

3. Program Requirements (20-35 hours) Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (2-23 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (36 hours)

A minimum grade of C is required in all major courses.

Each student must complete a program of studies designed by an interdisciplinary program committee appointed by the College Academic

Affairs and Advising Office. The program shall include a minimum of 36 semester hours of credit in major eligible courses in two or more fields. No course submitted in fulfillment of the general education requirements may be included in the program requirements. A maximum of 15 semester hours of independent study courses may be applied to the interdisciplinary studies program requirement.

Procedure

The following procedures shall be followed in designing a program of interdisciplinary studies:

- The candidate shall apply to the College Academic Affairs and Advising Office for declaration of an interdisciplinary studies program.
- The candidate must submit to the College Academic Affairs and Advising Office a written statement of goals concerning a potential interdisciplinary studies program.
- The College Academic Affairs and Advising Office will help the candidate formulate an interdisciplinary program committee, which shall consist of faculty members from the student's areas of interdisciplinary interest. The members of the interdisciplinary program committee shall be appointed by the College Academic Affairs and Advising Office, who will designate one member as chair and as the student's academic advisor.
- The interdisciplinary program committee shall meet with the student and prepare a program of studies leading to the Bachelor of Arts in Interdisciplinary Studies. This program shall include a written justification for the specific program of studies designed with the student. The program of study must be approved by the committee prior to the completion of 75 hours. The committee and College Academic Affairs and Advising Office must approve any subsequent changes in the student's program.
- The candidate's academic advisor shall advise the student each semester and shall sign the necessary registration and other advisor's forms. Advising shall adhere to the student's approved program of studies. The academic advisor shall consult with the interdisciplinary program committee for approval should deviation from the original program become necessary or advisable. All changes shall be registered with the College Academic Affairs and Advising Office.

Bachelor of Science in Interdisciplinary Studies Degree After Completion of One Year of Medical or Dental School

Upon application to the College Academic Affairs and Advising Office, a student who has completed 90 hours or more of degree-applicable undergraduate work at the University of South Carolina (with the last 30 hours in residence at the University) with a grade point average of 2.00 or higher, will be granted the BSIS degree provided the following:

- The applicant has satisfied all graduation requirements for the BSIS degree in the College of Arts and Sciences, except for the final 30 hours.
- The applicant has not applied these University of South Carolina credits to obtaining a baccalaureate degree from any institution.
- The applicant submits documents from an accredited medical or dental school demonstrating satisfactory completion of the first year of study leading to a post-baccalaureate degree.
- The applicant has the program of study approved by the College Academic Affairs and Advising Office.

- The College Academic Affairs and Advising Office certifies that the requirements prescribed for the degree have been met.

Interested students enrolled at the University should consult the College Academic Affairs and Advising Office for details concerning this option.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Interdisciplinary Studies, B.S.I.S.

Islamic World Studies Minor Minor Requirements (18 Hours)

Core Courses (6 Hours)

Course	Title	Credits
Select two of the following:		6
ANTH 237	Cultures of Islam	
ANTH 238	Middle Eastern Cultures	
GEOG 226	Geography of the Middle East	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
RELG 250	Introduction to Islam	
Total Credit Hours		6

Electives (12 Hours)

Course	Title	Credits
Select four of the following: ¹		12
ANTH 237	Cultures of Islam	
ANTH 238	Middle Eastern Cultures	
ANTH 240	South Asian Cultures	
ANTH 241	Southeast Asian Cultures	
ANTH 515	Tradition and Transformations in Islamic Cultures	
ARAB 201	Intermediate Arabic	
ARAB 202	Intermediate Arabic	
ARAB 280	Introduction to Modern Arab Culture	
ARAB 301	Advanced Arabic Language I	
ARAB 302	Advanced Arabic Language II	
ARAB 310	Conversational Arabic	
ARAB 320	Introduction to Modern Arab Literature in Translation	
ARAB 398	Selected Topics	
FREN 453	Francophone Literatures and Cultures	
GEOG 226	Geography of the Middle East	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 327	The Crusades	
HIST 347	The Middle East in Modern Times	

HIST 348	North Africa from Colonialism to Revolution: 1830-1962	
HIST 349	The Contemporary Middle East and North Africa	
HIST 365	East Africa and the Indian Ocean World	
RELG 369	Islamic Law	
HIST 386	Islamic Institutions and Traditions	
HIST 562	The Middle East and the United States: 1800 to the Present	
HIST 389	Science, Magic and Religion	
IBUS 428	Islamic Economics and Finance	
JSTU 387	Jews and Muslims	
POLI 103E	Controversies in the Politics of Global Regions: Middle East	3
POLI 449	International Relations of the Middle East	
POLI 483	Middle East Politics	
RELG 250	Introduction to Islam	
RELG 358	The Qur'an and Hadith	
RELG 359	Islamic Theology and Philosophical Thought	
RELG 367	Sufism	
RELG 387	Jews and Muslims	
Total Credit Hours		15

¹ Course choices must include at least one of the listed courses in Religious Studies unless taken to fulfill other degree requirements.

Note: ARAB 121 and ARAB 122 are recommended as choices for the foreign language requirement. Students may apply credits from special topics courses offered by any Arts and Sciences department toward the Islamic World Studies minor. To count toward the minor, the majority of material covered in a special topics course must relate to Islam, Muslim populations, and/or Islamic World contexts. Approval of special topics courses is at the discretion of the Program Director.

Jewish Studies Minor

Minor Requirements

A total of 18 credit hours in Jewish Studies courses is required in the following categories for a Jewish Studies Minor degree.

Course	Title	Credits
JSTU 381	Jewish History I: Late Antiquity to 1500	3
or JSTU 382	Jewish History II: 1500 to the Present	
Select five courses selected from the following list of program electives:		15
HEBR 121	Elementary Hebrew	
HEBR 122	Basic Proficiency in Hebrew	
HEBR 201	Intermediate Hebrew	
HEBR 202	Intermediate Hebrew	
JSTU 230	Introduction to Judaism	
JSTU 301	Hebrew Bible (Old Testament)	
JSTU 373	Literature and Film of the Holocaust	
JSTU 381	Jewish History I: Late Antiquity to 1500	
JSTU 382	Jewish History II: 1500 to the Present	
JSTU 387	Jews and Muslims	
JSTU 475	Visions of Apocalypse	

JSTU 491	Special Topics in Jewish Studies	
JSTU 492	History of the Holocaust	

Total Credit Hours **18**

Latin American Studies Minor

Students can select from an array of courses that enable them to explore Latin America from a variety of perspectives while also having the opportunity to focus their studies on a particular field. The minor in Latin American Studies richly complements majors in many other fields, including Anthropology, Business, Geography, Global Studies, Political Science, History, Journalism, and Spanish.

Minor Requirements (18 Hours)

The interdisciplinary minor in Latin American Studies requires a minimum of 18 credit hours. Because LASP is an interdisciplinary program, we encourage students to take LASP courses offered in the academic disciplines of history, political science, anthropology, geography, literature and languages, and additional areas as they are offered. Coursework in at least two disciplines is required for the minor. Students pursuing the minor in Latin American Studies are required to select Spanish or Portuguese as their language of study, and they must complete at least one 3-hour course at the 200-level in that language. The 200-level course (or equivalent demonstration of language proficiency) is considered a prerequisite for the minor and will not count as part of the 18 hours. Examples of courses offered regularly that could be taken by students minoring in LASP are listed below. In addition to these, there are often Special Topics courses appearing on the course schedule as sections of LASP 398.

Suggested Courses

Course	Title	Credits
LASP 311	Latin American Cultures	3
LASP 322	Mesoamerican Prehistory	3
LASP 331	Geography of Latin America	3
LASP 342	Modern Latin America	3
LASP 351	Politics and Governments of Latin America	3
LASP 361	Spanish American Civilization	3
LASP 371	Literary Tendencies and Masterpieces of Spanish America	3
LASP 451	International Relations of Latin America	3

Note: Courses pertinent to Latin American Studies but not listed as LASP courses may be approved for credit in the minor, if appropriate, by the LASP Director.

Law and Society Interdisciplinary Minor

Minor Requirements (18 hours)

The Law and Society minor consists of 18 credit hours or 6 courses.

- Two courses (6 hours) must be chosen from offerings listed under "Foundational Courses" (Group A).
- Four Courses (12 hours) must be chosen from offerings listed under "Specialized Courses" (Group B)

Course	Title	Credits
Group A: Foundational		
Select two of the following:		6
ANTH 102	Understanding Other Cultures	
ANTH 230	Diversity in the United States	
ECON 224	Introduction to Economics	
HIST 201	American Founding Documents	
PHIL 101	Special Topics in Philosophy	
PHIL 102	Introduction to Philosophy	
PHIL 103	Special Topics in Ethics and Values	
PHIL 114	Introduction to Formal Logic I	
PHIL 115	Introduction to Formal Logic II	
PHIL 211	Contemporary Moral Issues	
PHIL 212	Images of the Human Person	
PHIL 213	Communicating Moral Issues	
POLI 109	Controversies in Public Policy	
POLI 201	American National Government	
POLI 202	Policies and Functions of American Government	
SPCH 140	Public Communication	
SPCH 213	Communicating Moral Issues	
SPCH 260	Argumentation and Debate	
Group B: Specialized		
Select four of the following:		12
ACCT 324	Survey of Commercial Law	
ANTH 353	Anthropology of Law and Conflict	
ECON 508	Law and Economics	
ENGL 340	Literature and Law	
ENGL 387	Introduction to Rhetoric	
ENGL 462	Technical Writing	
ENGL 463	Business Writing	
FAMS 308	Global Media Industries	
GEOG 515	Political Geography	
GLST 308	Global Media Industries	
HIST 469	Constitutional History of the United States	
HIST 470	Constitutional History of the United States	
HRTM 357	Hotel and Restaurant Law	
HRTM 382	Travel and Tourism Law	
JOUR 303	Law and Ethics of Mass Communications	
MGMT 407	Corporate Social Responsibility and Stakeholder Management	
PHIL 320	Ethics	
PHIL 330	Social and Political Philosophy	
PHIL 331	Crime and Justice	
PHIL 329	Law and Religion	
PHIL 352	Freedom and Human Action	
POLI 300	Social and Political Philosophy	
POLI 302	Classical and Medieval Political Theory	
POLI 303	Modern Political Theory	
POLI 304	Contemporary Political Theory	
POLI 352	Gender and Politics	
POLI 420	International Law	
POLI 421	Law and Contemporary International Problems	

POLI 450	Constitutional Law I: Institutional Powers
POLI 451	Constitutional Law II: Civil Liberties
POLI 452	The Judicial Process
POLI 453	Moot Court and Legal Research
POLI 454	Women and the Law
POLI 554	Law and Society
RELG 339	Law and Religious Traditions
RETL 525	Legal Aspects of Entrepreneurship and E-Commerce
RETL 530	Fashion and the Law
ISCI 315	Information Policy
ISCI 415	Social Informatics
SOCY 309	An Introduction to Social Inequality
SOCY 340	Introduction to Social Problems
SOCY 507	Sociology of Social Control
SOCY 540	Sociology of Law
SPCH 331	Organizational Communication
SPCH 380	Persuasive Communication
SPCH 387	Introduction to Rhetoric
SPCH 448	Contemporary Political Rhetoric
SPCH 543	Communication, Law, and Society
SPT 240	Business Law
SPT 320	Sport and the Law
SPT 342	Sport and Entertainment Contracts and Negotiations
SPT 402	Entertainment and the Law
WGST 352	Gender and Politics
WGST 454	Women and the Law

Total Credit Hours **18**

Note: Departmental or Honors College special topics courses focused on law and society may satisfy minor requirements in either Group A or B, provided that the course substitutions are pre-approved by the office of the Dean of Undergraduate Student Affairs and Advising in Flinn Hall in consultation with faculty content experts; bring a syllabus for the course you want pre-approved. Appeals to register in pre-approved honors college courses should be directed to the Honors College.

Linguistics Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Course		
Select one of the following:		3
LING 300	Introduction to Language Sciences	
LING 301	The English Language	
Electives		
Complete 5 additional LING courses		15
Total Credit Hours		18

Medical Humanities and Culture Minor

Minor Requirements

The minor in Medical Humanities and Culture consists of 18 credit hours or 6 classes.

- **Two-four courses (6-12 credit hours)** must be chosen from offerings in the humanities (Group A); if two humanities courses (6 hours) are chosen, then 12 hours must be chosen from the social sciences, so that the student takes the requisite 18 hours total.
- **Two-four courses (6-12 credit hours)** must be chosen from offerings in the social sciences (Group B); if two social sciences courses (6 hours) are chosen, then four courses (12 hours) must be chosen in the humanities, so that the student takes the requisite 18 hours total.

Course	Title	Credits
Group A: Humanities		
Select two-four of the following:		6-12
ARTH 333	Art, Anatomy, and Medicine, 1700-Present	
CLAS 230	Medical and Scientific Terminology	
CLAS 360	Classical Origins of Western Medical Ethics	
ENGL 341	Literature and Medicine	
HIST 382	History of Medicine: Antiquity to the Scientific Revolution	
HIST 393	Making Modern Science: The Life Sciences	
HIST 451	The History of American Medicine	
HIST 452	The History of Science in America	
JOUR 507	Health Communication: The Science and Practice	
PHIL 312	Classical Origins of Western Medical Ethics	
PHIL 321	Medical Ethics	
PHIL 323	Ethics of Science and Technology	
PHIL 360	History and Philosophy of Science	
PHIL 362	Philosophy of Research Design in Science and Medicine	
PHIL 512	Philosophy of Science	
PHIL 550	Health Care Ethics	
PHIL 598	Readings in Philosophy	
RELG 473	Religions, Medicines, and Healing	
SPAN 360	Spanish for Healthcare Professionals	
THEA 554	Performing Arts Safety	

Group B: Social Sciences

Select two-four of the following:		6-12
ANTH 204	Plagues Past and Present	
ANTH 208	Anthropology of Globalization and Development	
ANTH 212	Food and Culture	
ANTH 221	Forensics of Sherlock Holmes	
ANTH 262	Basic Forensic Anthropology	
ANTH 263	Medical Experimentation and the Black Body	
ANTH 366	Medicine, Disease, and Slavery	
ANTH 388	Cultures, Pregnancy, and Birth	
ANTH 551	Medical Anthropology: Fieldwork	
ANTH 552	Medical Anthropology	
ANTH 557	Psychological Anthropology	

ANTH 565	Health and Disease in the Past	
ECON 531	Health Economics	
ENHS 323	Global Environmental Health	
ENHS 324	Environment and Obesity	
ENHS 660	Concepts of Environmental Health Science	
ENVR 323	Global Environmental Health	
HPEB 511	Health Problems in a Changing Society	
HPEB 512	Southern Discomfort: Public Health in the American South	
HPEB 513	Race, Ethnicity, and Health: Examining Health Inequalities	
HPEB 547	Consumer Health in Contemporary Society	
HPEB 551	Medical Anthropology: Field Work	
HPEB 552	Medical Anthropology	
HPEB 560	Cooking Up a Storm: Food, Globalization, Localization, and Health in the South	
HPEB 621	Maternal and Child Health	
HSPM 412	Health Economics	
MGMT 371	Principles of Management	
MGMT 374	Strategic Human Resource Management	
PSYC 465	Health Psychology	
PSYC 503	Psychology of Drug Use and Effects	
ISCI 415	Social Informatics	
SOCY 310	Social Demography	
SOCY 315	Global Population Issues	
SOCY 360	Sociology of Medicine and Health	
SOCY 510	Life Course Demographics	
WGST 113	Women's Health	
WGST 388	Cultures, Pregnancy, and Birth	
WGST 621	Maternal and Child Health	

Total Credit Hours **12-24**

Note: Departmental or Honors College special topics courses related to medicine may satisfy the minor requirements in either the humanities (Group A) or social sciences (Group B), provided that the course substitutions are pre-approved by the office of the Dean of Undergraduate Student Affairs and Advising in Flinn Hall in consultation with faculty content experts; bring a syllabus to Flinn Hall for the course you want pre-approved. Appeals to register in pre-approved honors college courses should be directed to the Honors College.

Renaissance Studies Minor

Minor Requirements (18 Hours)

Required Courses

Course	Title	Credits
Select 18 hours from the following:		
ARTH 320	History of Italian Renaissance Art	
ARTH 321	History of Northern Renaissance Art	
ARTH 520	History of Renaissance Painting	
ARTH 521	History of Renaissance Sculpture	
ARTH 522	History of Renaissance Architecture	
ARTH 523	Florentine Art	
CLAS 220	Introduction to Classical Mythology	

CLAS 586	Classical Mythology
DANC 377	Historic Dance
ENGL 381	The Renaissance
ENGL 402	Tudor Literature
ENGL 404	English Drama to 1660
ENGL 405	Shakespeare's Tragedies
ENGL 406	Shakespeare's Comedies and Histories
FREN 451	French Literature and Culture Before 1800
GERM 420	Medieval German Literature and Culture
HIST 307	Family and Society in Europe, c. 1200-1700
HIST 308	Magic and Witchcraft in Europe, c. 1200-1700
ITAL 411	Italian Literature in Translation
MUSC 353	History of Western Music I
PHIL 540	Renaissance Philosophy
POLI 302	Classical and Medieval Political Theory
POLI 303	Modern Political Theory
RELG 301	Hebrew Bible (Old Testament)
RELG 302	New Testament
SPAN 524	Renaissance and Golden Age Literature
THEA 550	History of Costume
THEA 561	History of the Theatre I
THEA 567	Dramatic Theory I
Total Credit Hours	18

Note: Topics courses with appropriate content may be used as part of the minor.

Russian and Eurasian Studies Minor Minor Requirements (18 Hours)

Prerequisites

Two years of college-level study (or equivalent level of mastery) of Russian or one of the other languages of the region. The prerequisite may be satisfied by successful completion of RUSS 202 or a placement examination arranged with the RES Director.

Requirements

Course	Title	Credits
Required Course ¹		
RUSS 280	Introduction to Russian Civilization	3
History or Political Science Elective ¹		
POLI 480	Politics and Government of Russia	3
Electives ²		
Select four of the following:		12
FORL 398	Selected Topics	
HIST 342	The Slavs in History	
HIST 343	The Fall of the Eastern European Empires	
HIST 344	Eastern Europe Since WWI	
POLI 440	Russian Foreign Policy	
POLI 480	Politics and Government of Russia	
RUSS 319	Nineteenth-Century Russian Literature in Translation	
RUSS 320	Twentieth-Century Russian Literature in Translation	

RUSS 398	Selected Topics
RUSS 598	Selected Topics in Russian
Total Credit Hours	18

¹ Students whose primary focus is a country other than Russian may petition the Director of Russian and Eurasian Studies to substitute a similar survey course on another region for RUSS 280 or the History or Political Science Elective.

² Students may substitute another course with substantial Russian or Eurasian studies content with the approval of the Director of Russian and Eurasian Studies.

Southern Studies Minor Minor Requirements (18 Hours)

The minor requires a minimum of 18 credit hours, including:

Program Courses

Course	Title	Credits
SOST 301	Introduction to Southern Studies 1580-1900	3
SOST 302	Introduction to Southern Studies: The Twentieth Century	3
Four additional courses drawn from at least two different disciplines		12
Total Credit Hours		18

Note: Undergraduates may also pursue a cognate in Southern Studies by taking four SOST courses or concentrate in the field through the Bachelor of Arts in Interdisciplinary Studies (B.A.I.S.) degree program.

Women's and Gender Studies Minor Minor Requirements (18 Hours)

Core Courses (6 Hours)

Course	Title	Credits
WGST 112	Introduction to Women's and Gender Studies	3
WGST 113	Women's Health	3
Total Credit Hours		6

Additional Courses (12 Hours)

Select twelve hours from the following:

- 3 hours of WGST courses or cross-listed courses numbered 200 and above as approved by the program.
- 9 hours of WGST courses or cross-listed courses numbered 300 and above, or courses relevant to WGST numbered 300 and above, as approved by the program

Notes

Occasionally, special topics courses offered by various academic departments and approved by Women's and Gender Studies may also be applied to the minor.

No more than one Independent Study course (3 hours) may be applied to the minor. Independent Study requires the approval of the Director of Women's and Gender Studies.

Women's and Gender Studies, B.A.

Learning Outcomes

- Students will demonstrate a basic understanding of feminist concepts and analysis.
- Students will demonstrate understanding of diversity by gender, race, ethnicity, social class, sexuality, and nationality.
- The students will demonstrate civic engagement through their community placements and other curricular activities.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	34-49
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW course (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP course (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI laboratory science courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- WGST 112* – should be taken in the first 45 hours

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a

minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (15 hours)

Course	Title	Credits
Bodies and Health		
WGST 113	Women's Health	3
Power, Difference, Change		
WGST 304	Race, Class, Gender, and Sexuality	3
Feminist Praxis		
WGST 307 or WGST 308	Feminist Theory African-American Feminist Theory	3
Cross-cultural Issues: non-U.S. or Comparative		
For example:		3
WGST 320	Sexuality and Gender in Ancient Greece	
WGST 321	Sexuality, Gender, and Power in Ancient Rome	
WGST 335	Women in China	
WGST 351	The Family in Cross-Cultural Perspective	
WGST 352	Gender and Politics	
WGST 381	Gender and Globalization	
WGST 388	Cultures, Pregnancy, and Birth	
WGST 392	Global Women's Health	
WGST 555	Language and Gender	
Practicum		

WGST 499 Community Service Internship (or a Research Project coordinated by WGST advisor) 3

Total Credit Hours 15

Major Electives (9 hours)

- WGST or approved discipline-based courses (9 hours)

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Women's and Gender Studies, B.A.

Jewish Studies

Department Website (<http://artsandsciences.sc.edu/jstp/>)

F.K. Schoeman, *Director*

Judaism has been central to Western culture from antiquity to the present. Its contributions to Western civilization are deeply interwoven into both Jewish and non-Jewish Western cultural history, contributing significantly to art, language, law, literature, medicine, philosophy and political thought. Jewish Studies is thus an important component of the larger liberal arts curriculum. Its focus on important issues of group and national identity, Diaspora, genocide and cultural survival gives Jewish Studies particular relevance not merely to those who seek a richer understanding of the Jewish experience but also to scholars of other dispossessed or minority groups. Fundamentally interdisciplinary in its approach and international in its focus, the University of South Carolina's Jewish Studies Program adds an important dimension to the scholarly work being done in Jewish Studies in South Carolina. The courses and activities of the program are designed to enhance our knowledge of Judaism's role on the world stage and help students and scholars forge connections between Judaism in South Carolina and this larger context.

Programs

- Jewish Studies Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/jewish-studies/jewish-studies-minor/>)

Courses

JSTU 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.
Cross-listed course: AFAM 218, EDTE 218

Carolina Core: GSS, VSR

JSTU 230 - Introduction to Judaism (3 Credits)

Overview of Jewish experiences, beliefs, practices from a contextual point of view.

Cross-listed course: RELG 230

JSTU 301 - Hebrew Bible (Old Testament) (3 Credits)

Modern study of the Hebrew Bible from historical, literary, and archeological points of view. Reading and analysis of texts in translation.
Cross-listed course: RELG 301

JSTU 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 373

Graduation with Leadership Distinction: GLD: Global Learning

JSTU 381 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from Late Antiquity to 1500.

Cross-listed course: HIST 383, RELG 381

JSTU 382 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: HIST 384, RELG 382

JSTU 387 - Jews and Muslims (3 Credits)

Jewish-Muslim relations in the Near East and the US; an exploration of Jewish-Muslim encounters, issues of religious law, politics, radical religious ideologies, and their repercussions for today.

Cross-listed course: RELG 387

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

JSTU 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam, and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: HIST 388, RELG 388

JSTU 471 - American Jewish History (3 Credits)

Examination of experiences of Jews in the United States from Colonial Period to late 20th century, especially Jewish immigration, political behavior, social mobility, religious affiliation, group identity formation, and meaning of Anti-Semitism in American and global contexts.

Cross-listed course: HIST 471

JSTU 475 - Visions of Apocalypse (3 Credits)

Symbolic visions, tours of heaven and hell, cosmic battles, divine judgment, messianic figures, prophecy, or other forms of revelation as found in literature, art, or social movements from diverse geographical and historical locations.

Cross-listed course: RELG 475

JSTU 491 - Special Topics in Jewish Studies (3 Credits)

Intensive study of special topics in Jewish Studies; may emphasize interdisciplinary themes. Maybe be repeated as content varies by title.

JSTU 492 - History of the Holocaust (3 Credits)

Introduction to Nazi Germany's systematic mass-murder of Europe's Jews and other minorities during war. Examination of forces that led to the Holocaust, including scientific racism, Nazi policy implementation, and dynamics of annihilation during war.

Cross-listed course: HIST 380

Languages, Literatures, and Cultures

Department Website (<http://www.cas.sc.edu/dllc/>)

Francisco J. Sanchez, *Interim Chair*

The department offers undergraduate majors in Chinese studies, classics, comparative literature, French, German, Russian, and Spanish, all leading to the bachelor of arts degree. The department offers minors in ancient Greek, Chinese studies, classical studies, comparative literature, French, German, Italian, Japanese, Latin, Portuguese, Russian, and Spanish. Minors in foreign languages generally require 18 hours of course work at the 200 level or above.

Advanced Standing

Students who have studied a foreign language during the five years preceding their enrollment at UofSC must take the placement test in that language. A maximum of 7 or 8 semester hours of advanced standing credit for 121-122 courses in one foreign language may be earned on the basis of completion (with a grade of B or better) of the first 200-level or above 3-credit course in that foreign language; 4 hours credit for 121 may be awarded for a grade of B or better in a 122 course. Courses that may not be offered for advanced standing credit are all CLAS courses, FREN 290, FREN 295, FREN 397, FREN 399, GERM 398, and GERM 399, LATN 399, SPAN 350, SPAN 398, and SPAN 399.

Exemptions

Students will not normally be permitted to repeat for credit foreign language units previously earned in high school or college. Freshmen achieving advanced standing at the University may be permitted to validate certain omitted courses, according to current regulations, and should consult the department for further information. Students who have learned English as a foreign language may, with the concurrence of the dean of their college and that of the chair of the department, be exempted from the language requirement without credit. Such students will, at the discretion of the department, be excluded from courses in their native language.

Programs

- Ancient Greek Literature Minor (p. 139)
- Chinese Studies Minor (p. 140)
- Classical Studies Minor (p. 140)
- Comparative Literature Minor (p. 140)
- Foreign Language Education Minor (p. 140)
- French Minor (p. 141)
- German Minor (p. 141)
- Italian Minor (p. 142)
- Japanese Minor (p. 142)
- Languages, Literatures and Cultures, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/languages-literatures-cultures/languages-literatures-cultures-ba/>)
- Latin Minor (p. 142)
- Portuguese Minor (p. 142)
- Russian Minor (p. 142)
- Spanish Minor (p. 143)

Courses

ARAB 121 - Elementary Arabic (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language. Offered only in fall.

Carolina Core: GFL

ARAB 122 - Basic Proficiency in Arabic (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Arabic 121. Offered only in spring.

Carolina Core: GFL

ARAB 201 - Intermediate Arabic (3 Credits)

Continuation of reading, writing, and speaking Arabic.

Prerequisites: ARAB 122.

ARAB 202 - Intermediate Arabic (3 Credits)

Increased emphasis on reading and writing skills in Arabic.

Prerequisites: ARAB 201.

ARAB 280 - Introduction to Modern Arab Culture (3 Credits)

Introduction to Arab culture (literature, music, film, and art) from the 19th century to the present.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ARAB 301 - Advanced Arabic Language I (3 Credits)

This course builds on grammar and vocabulary by reading and listening to authentic Arabic materials. By semester's end, the student will be able to write in detail and comprehend and use advanced vocabulary grammar and syntax in all forms of expression.

Prerequisites: Arabic 202 or equivalent.

ARAB 302 - Advanced Arabic Language II (3 Credits)

This course is a continuation of ARAB 301 and builds on grammar and vocabulary by reading and listening to authentic Arabic materials. By semester's end, the student will be able to write in detail and comprehend and use advanced vocabulary grammar and syntax.

Prerequisites: ARAB 301 or equivalent.

ARAB 310 - Conversational Arabic (3 Credits)

Practical drills in aural-oral skills to develop facility in the spoken language.

Prerequisites: ARAB 202.

ARAB 311 - Colloquial Arabic II (3 Credits)

Continued instruction in colloquial (spoken) Arabic with a focus on oral and aural competencies, discussing aspects of the local culture, and working with media produced in the local variety of Arabic. Course may be repeated as the variety of Arabic may change.

Prerequisites: ARAB 310 or equivalent.

ARAB 320 - Introduction to Modern Arab Literature in Translation (3 Credits)

Introduction to dominant trends and genres in nineteenth and twentieth century Arabic literature.

ARAB 398 - Selected Topics (3 Credits)

Selected literary topics of the Arab world. May be repeated for credit under different titles. Taught in English.

ARAB 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ARAB 401 - Advanced Arabic I (3 Credits)

Acquisition of advanced grammar and vocabulary. Increased focus on reading, writing, and discussion in Modern Standard Arabic.

Prerequisites: C or better in ARAB 302 or equivalent.

ARAB 402 - Advanced Arabic II (3 Credits)

Continued acquisition of advanced grammar and vocabulary. Increased focus on reading, writing, and discussion in Modern Standard Arabic.

Prerequisites: ARAB 401 or equivalent.

ARAB 615 - Intensive Readings in Arabic (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course. Undergraduates may take the course as an elective only. Grades S/U for graduates and undergraduates.

ASLG 121 - Elementary American Sign Language (4 Credits)

Introduction to basic vocabulary and common grammar structures of ASL. Focus on communication and familiarization with aspects of deaf culture. This course does not satisfy the foreign language requirements of any college.

ASLG 122 - Basic Proficiency in American Sign Language (4 Credits)

Practice and further development in the language and culture of the American deaf community. This course does not satisfy the foreign language requirement of any college.

Prerequisites: ASLG 121.

CHIN 103 - Introduction to Chinese Calligraphy (2 Credits)

Five hundred of the most commonly used Chinese characters. Emphasis is on the phonetic and significant elements common to large groups of ideograms.

CHIN 121 - Elementary Chinese Mandarin (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

CHIN 122 - Basic Proficiency in Mandarin Chinese (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Chinese 121.

Prerequisites: CHIN 121.

Carolina Core: GFL

CHIN 221 - Intermediate Mandarin Chinese (3 Credits)

Continued practice of basic sentence patterns used in modern speech with increased emphasis on reading and acquisition of additional characters.

CHIN 222 - Intermediate Mandarin Chinese II (3 Credits)

Continued practice of basic sentence patterns used in modern speech with increased emphasis on reading and acquisition of additional characters.

CHIN 240 - Chinese Culture, Tradition, and Modern Societies (3 Credits)

Introduction to Chinese culture, heritage, and modern societies. Readings selected from printed and online sources. Taught in English.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CHIN 321 - Advanced intermediate Mandarin Chinese I (3 Credits)

Provides advanced intermediate training in spoken and written Chinese. By increasing students' vocabulary and knowledge of sentence patterns, the course focuses on speaking and writing in coherent, well-formed paragraphs.

Prerequisites: CHIN 222.

CHIN 322 - Advanced Intermediate Mandarin Chinese II (3 Credits)

Continues advanced intermediate training in spoken and written Chinese. Attention is given to complex grammatical patterns, discourse characteristics, and discussions of cultural topics.

Prerequisites: CHIN 321.

CHIN 335 - Women in China (3 Credits)

Introduces the connection between gender and the Chinese national imagination. Readings include cultural and historical documents that purport to explain the experience of women in China. Readings in English. Taught in English.

Cross-listed course: WGST 335

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CHIN 340 - Introduction to Premodern Chinese Literature (3 Credits)

An introduction to the most important works, authors, genres, and themes of Chinese literature from the first millennium B.C.E. to 1911.

CHIN 341 - Modern Chinese Literature (3 Credits)

Readings of canonical texts from modern Chinese literature. A focus is on the role of literature and other cultural documents in the imagination of China as a modern nation. Readings and discussion in English.

CHIN 365 - Screening China (3 Credits)

Survey of Chinese language cinema. Chinese film history and vocabulary with which to discuss film texts. Covers classic leftwing cinema, Hong Kong martial arts films, as well as the Hong Kong, Taiwan, and PRC New Waves. Taught in English. Films subtitled.

Cross-listed course: FAMS 365

CHIN 398 - Selected Topics (3 Credits)

Intensive study in selected authors or literary movements of China, including cultural aspects. May be repeated for credit under different titles. Taught in English.

CHIN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

CHIN 421 - Advanced Chinese I (3 Credits)

Acquisition of advanced grammar and vocabulary. Emphasis on building oral proficiency in professional settings.

Prerequisites: CHIN 322.

CHIN 422 - Advanced Chinese II (3 Credits)

Continued acquisition of advanced grammar and vocabulary. Emphasis on expanding communicative abilities in a wider variety of interpersonal situations.

Prerequisites: CHIN 421.

CHIN 550 - Advanced Special Topics in Chinese Studies (3 Credits)

Advanced special topics in Chinese studies. May be repeated as content varies by title.

CLAS 220 - Introduction to Classical Mythology (3 Credits)

Major gods, goddesses, heroes, and heroines of classical mythology as portrayed in major literary works; the function of myth in society and its relevance to modern life.

Carolina Core: AIU

CLAS 230 - Medical and Scientific Terminology (3 Credits)

Greek and Latin elements in the formation of medical and scientific vocabulary; designed for students intending to enter the scientific and health professions. No previous knowledge of Greek or Latin required.

CLAS 240 - Sport and Combat in the Ancient World (3 Credits)

This course is designed to introduce students to the importance of competition in the military and private spheres of the Greco-Roman world, a dominant legacy of antiquity.

CLAS 301 - Ancient Philosophy (3 Credits)

An introduction to the work of ancient philosophers, with special emphasis on Plato and Aristotle.

Cross-listed course: PHIL 301

CLAS 302 - Greek and Roman Philosophy after Aristotle (3 Credits)

Problems such as hedonism, providence, belief and evidence, and mysticism, as they appear in the writings of the Epicureans, Stoics, Skeptics, and Plotinus.

Cross-listed course: PHIL 302

CLAS 305 - Greece and Rome in Film and Popular Culture (3 Credits)

Representations of antiquity in cinema, television, and other contemporary media, with emphasis on Hollywood's reception of Greek and Roman history.

Cross-listed course: HIST 305

CLAS 320 - Sexuality and Gender in Ancient Greece (3 Credits)

Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes toward homosexuality; the modern media's representation of famous Greeks.

Cross-listed course: WGST 320

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CLAS 321 - Sexuality, Gender, and Power in Ancient Rome (3 Credits)

Sexuality as a social construct exemplified in standards of sexual behavior in ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes toward homosexuality.

Cross-listed course: WGST 321

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CLAS 323 - Greek Civilization on Site (3 Credits)

Introduction to the history and culture of ancient Greece, combined with an excursion of Greece. Topics include: Mycenaean Greece and the world of Homer, Archaic Greece, oikos and polis, interaction with the Near East, Athens in the 5th and 4th century BCE, Greek religion, ancient Greek society.

CLAS 324 - Special Topics in Classical Humanities (3 Credits)

Intensive study of one topic per semester dealing with ancient contributions to Western civilization. Not for Greek or Latin major credit. In English. May be repeated as content varies by title.

CLAS 325 - Classical Roots of US Constitution (3 Credits)

Study of the impact of the culture of Greece and Rome on the founding fathers of the American Revolution.

CLAS 340 - Greek Art and Archaeology (3 Credits)

A survey of ancient architecture, painting, and sculpture 2000-160 B.C.

Cross-listed course: ARTH 312

CLAS 350 - Pompeii: Daily Life in a Roman Town (3 Credits)

This course uses the rich archaeological resource of the city of Pompeii to explore daily life in Ancient Rome. Using both material and written sources, students will learn about how people of all social classes lived in the public and private spaces of Pompeii.

CLAS 360 - Classical Origins of Western Medical Ethics (3 Credits)

Examination of ancient Greek and Roman philosophical, medical, and literary works (in English) as sources for the origins of medical ethics. Priority enrollment for Medical Humanities students.

Cross-listed course: PHIL 312

CLAS 361 - Between Magic and Method: Ancient Medicine (3 Credits)

Introduction to ancient medicine: science and art, theory and practice, healing and predicting. Topics include Medicine before Hippocrates, Hippocratic medicine, holism, naturalism, medicine, religion and magic, medicine and scientific explanation, Hellenistic medicine and methodology, Galenic medicine.

Cross-listed course: PHIL 313

CLAS 370 - Rise and Fall of the Athenian Empire (3 Credits)

Athenian History from Persian Wars through Peloponnesian War.

CLAS 371 - The Caesars: Rome's First Family (3 Credits)

Study of Rome's imperial family from Julius Caesar until the death of Nero.

CLAS 401 - Greek and Latin Literature in Translation (3 Credits)

A comparative survey of Greek and Latin masters.

CLAS 469 - Classical Drama (3 Credits)

Representative plays by Greek and Roman dramatists.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 395

CLAS 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: ENGL 471, SPCH 471

CLAS 586 - Classical Mythology (3 Credits)

The major Greek and Roman myths, with emphasis on their meaning, functions, and influence on ancient and later Western culture.

CLAS 598 - Classics of Western Literary Theory (3 Credits)

Problems of literary theory in texts from the ancients to the 17th century, with an emphasis on the classical tradition.

Cross-listed course: CPLT 701, ENGL 733

CPLT 150 - Values and Ethics in Literature (3 Credits)

Analysis of major works of world literature focusing on values, ethics, and social responsibility.

Carolina Core: AIU, VSR

CPLT 270 - World Literature (3 Credits)

Selected masterpieces of world literature from antiquity to the present.

Cross-listed course: ENGL 270

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 300 - What is Comparative Literature (3 Credits)

Introduction to ways of reading and comparing literatures drawn from diverse languages and cultures.

Prerequisites: any 200-level literature course.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CPLT 301 - Great Books of the Western World I (3 Credits)

European masterpieces from antiquity to the beginning of the Renaissance.

Cross-listed course: ENGL 390

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 302 - Great Books of the Western World II (3 Credits)

European masterpieces from the Renaissance to the present.

Cross-listed course: ENGL 391

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 303 - Great Books of the Eastern World (3 Credits)

Classical and contemporary poetry and prose of the Middle and Far East.

Cross-listed course: ENGL 392

Graduation with Leadership Distinction: GLD: Global Learning

CPLT 380 - Epic to Romance (3 Credits)

Comprehensive exploration of medieval and other pre-Renaissance literature using texts representative of the evolution of dominant literary forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 380

CPLT 381 - The Renaissance (3 Credits)

Literature of the Renaissance, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 381

CPLT 382 - The Enlightenment (3 Credits)

Literature of the Enlightenment in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 382

CPLT 383 - Romanticism (3 Credits)

Literature of Romanticism, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 383

CPLT 384 - Realism (3 Credits)

Literature of Realism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 384

CPLT 385 - Modernism (3 Credits)

Literature of Modernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 385

CPLT 386 - Postmodernism (3 Credits)

Literature of Postmodernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 386

CPLT 415 - Topics in Comparative Literary Relations (3 Credits)

Topics involving two or more national literatures. Topics to be announced in master schedule by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CPLT 499 - Senior Thesis (3 Credits)

Graduation with Leadership Distinction: GLD: Research

CPLT 597 - Special Topics in Comparative Studies in Film and Media (3 Credits)

Topics in film and media from an international perspective. National cinematic traditions are compared and contrasted. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Global Learning

FORL 398 - Selected Topics (3 Credits)

Studies in language not otherwise taught. May include a cultural and/or linguistic component.

FORL 448 - Teaching Internship in Foreign Languages (3 Credits)

Application of effective teaching techniques and organization of instructional settings in foreign languages for K-12.

Prerequisites: admission to the professional program in education.

Cross-listed course: EDTE 448

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

FORL 472 - Introduction to Technology in Language Education (3 Credits)

Acquaints students with principles and practices concerning the use of technology in foreign language teaching. Explores connection between second language acquisition and the implementation of Internet and multimedia technologies.

Cross-listed course: LING 472

FORL 474 - Directed Teaching in Foreign Languages (15 Credits)

Students apply methods of curriculum and assessment, professionalism, effective teaching, and organization of instructional settings during internship in foreign language classroom.

Prerequisites: admission to the professional program in education.

Cross-listed course: EDTE 474

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

FORL 501 - Spanish for Medical Personnel (3 Credits)

Basic course in health professions. Functional language and lexicon as well as cultural practices for interaction with Hispanic clients.

Prerequisites: 2 semesters of college-level Spanish or equivalent.

FORL 510 - Teaching Second Languages to Young Children (3 Credits)

To assist prospective teachers of young children in the development of a second language and multicultural learning activities. Practicum sessions are an integral part.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: EDEL 510

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

FORL 511 - Teaching Foreign Languages in Secondary Schools (3 Credits)

Current methods, techniques, and materials of instruction appropriate for secondary schools.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: EDSE 575

FORL 598 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 598, MART 594

FREN 109 - Beginning French I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission to FREN 109 restricted to those who have never studied French, who have not studied French in the previous five years, or who have a score of F-1 on the placement test.

Carolina Core: GFL

FREN 110 - Beginning French II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission to 110 restricted to those who have completed FREN 109. Credit may be received only for one of the following: FREN 109/FREN 110 or FREN 121.

Prerequisites: FREN 109.

Carolina Core: GFL

FREN 121 - Elementary French (3 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in French. Admission to FREN 121 restricted to those who have a score of F-2 on the placement test. Credit may be received for only one of the following: FREN 109/FREN 100 or FREN 121.

Carolina Core: GFL

FREN 122 - Basic Proficiency in French (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: FREN 110, FREN 121 or placement score of F-3.

Carolina Core: GFL

FREN 209 - Reading and Written Expression (3 Credits)

Readings in French; grammar, basic writing, and composition.

Prerequisites: FREN 122 or score of F-5 on placement exam.

FREN 210 - Oral Communication (3 Credits)

Practice in conversation involving authentic listening materials; vocabulary building.

Prerequisites: FREN 122 or score of F-5 on placement exam.

FREN 290 - French Literature in Translation (3 Credits)

Readings and discussion in English, with consideration of the cultural context.

Carolina Core: AIU

FREN 295 - Topics in French Culture (3 Credits)

Intensive one-term study of a particular topic identified by title. Taught in English.

Prerequisites: FREN 110, FREN 121, or equivalent.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

FREN 300 - French Phonetics (3 Credits)

Analysis of and practice in pronunciation and listening comprehension.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

Cross-listed course: LING 316

FREN 307 - Advanced Oral Practice (1 Credit)

Development and maintenance of speaking and listening skills at the advanced level. Offered Pass-Fail only. May be repeated.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

FREN 309 - Reading French Texts (3 Credits)

Reading, discussion, and written analysis of French texts, both literary and nonliterary.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. Not open to students with a score of F-7.

FREN 310 - Advanced Oral Communication (3 Credits)

Current issues and events presented in French-language media. Discussion and presentations in French provide practice with advanced structures and idiomatic speech.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. Not open to students with score of F-7.

FREN 311 - French Composition (3 Credits)

Practice in French composition; intensive review of French grammar.

Prerequisites: Grades of C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. FREN 309 strongly recommended. Not open to students with score of F-7.

FREN 316 - Introduction to Business French (3 Credits)

Practical oral and written communication in a commercial context; introduction to business terminology and correspondence.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents.

FREN 330 - The French Theatre Experience (3 Credits)

Project work in the production of plays in French. Includes readings in and public performance of French theatre and related materials.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents.

FREN 350 - French Language Study Abroad (1-6 Credits)

Intensive language practice with special attention to oral skills. Classroom instruction by native speakers.

FREN 351 - Service Learning in the French-Speaking World (3 Credits)
Cultural and linguistic service-learning experience in a French-speaking environment. Course may be repeated once in a different location.

Prerequisites: FREN 209 or 210.

FREN 397 - The French Film Experience (3 Credits)

An introduction to the history of the French film, with special emphasis on the aesthetic appreciation of the films in their artistic and cultural context. Films in French, with English subtitles. Taught in English. To be counted towards FREN major or minor.

Prerequisites: C or better in both FREN 209 and FREN 210 are required, and FREN 309 is strongly recommended.

FREN 398 - Selected Topics in French & Francophone Culture (3 Credits)

Intensive study of selected topics of the French-speaking world. May be repeated for credit under a different title. May not be counted for major or minor credit. Note: Taught in English. To be counted towards FREN major or minor.

Prerequisites: C or better in both FREN 209 and FREN 210 are required, and FREN 309 is strongly recommended.

FREN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-6 on the French language placement exam.

Graduation with Leadership Distinction: GLD: Research

FREN 400 - French Cultural History (3 Credits)

French history and the arts from early times through the Napoleonic era.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 416 - Advanced Business French (3 Credits)

Commercial organizations and businesses in France. Practical business correspondence. Terminology and techniques in commercial transactions with the Certificat Pratique of the Paris Chamber of Commerce in view. Taught in French.

Prerequisites: FREN 316.

FREN 450 - Topics in Literature (3 Credits)

May be repeated for credit.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 451 - French Literature and Culture Before 1800 (3 Credits)

Study and discussion of French works written before 1800 within their cultural and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 452 - French Literature and Culture After 1800 (3 Credits)

Study and discussion of French works written after 1800 within their cultural and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 453 - Francophone Literatures and Cultures (3 Credits)

Study and discussion of works from French-speaking societies outside France, with attention to their cultural contexts and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

Graduation with Leadership Distinction: GLD: Global Learning

FREN 499 - Senior Thesis (3 Credits)

Graduation with Leadership Distinction: GLD: Research

FREN 501 - Contemporary France (3 Credits)

Readings in and discussion of the culture of contemporary France.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 510 - Current Events in the France and the Francophone World (3 Credits)

Development of advanced oral skills in French. Study of linguistic and cultural aspects of French language media.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 511 - Techniques of Literary Analysis (3 Credits)

Texts from standard authors, with emphasis on explication de texte.

Prerequisites: C or better in each of FREN 309, FREN 310, and FREN 311, or equivalents, or a score of F-7 on the French language placement exam.

FREN 515 - Advanced French Stylistics (3 Credits)

Practice in descriptive and narrative composition with special attention to contrastive stylistics; thème et version.

Prerequisites: C or better in each of FREN 309, FREN 310, and FREN 311, or equivalents, or a score of F-7 on the French language placement exam.

FREN 516 - French Phonology (3 Credits)

The sound system and its functioning in the morphological system of French from the point of view of current phonological theory.

Cross-listed course: LING 512

FREN 517 - French Linguistics (3 Credits)

The structure, morphology, and syntax of modern French.

Cross-listed course: LING 502

FREN 595 - Special Topics in French (3 Credits)

Poetry, prose, theatre, cinema, civilization, language, linguistics. Unique opportunities will be announced by title. May be repeated.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 615 - Intensive Readings in French (3 Credits)

Graduate students fulfill their foreign-language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only. Grades S/U for graduates and undergraduates.

GERM 109 - Beginning German I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have never studied German or who have placed by examination into GERM 109.

Credit may be received only for one of the following GERM 109; GERM110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 110 - Beginning German II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Credit may be received only for one of the following: GERM 109; GERM 110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 111 - Intensive Beginning German (6 Credits)

Intensive introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission only to highly motivated beginning students who obtain permission of the department. Credit may be received only for one of the following: GERM 109 and GERM 110; GERM 111; GERM 121.

GERM 121 - Elementary German (4 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in German. Admission only by proficiency examination. Credit may be received for only one of the following: GERM 109; GERM 110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 122 - Basic Proficiency in German (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: Admission either by placement examination or successful completion of GERM 110, GERM 111, or GERM 121.

Carolina Core: GFL

GERM 210 - Intermediate German (3 Credits)

Further development of listening, reading, speaking, and writing skills; discussion of selected literary texts, and current issues; intensive review of basic grammar structures.

Prerequisites: GERM 122, or satisfactory score on Basic Proficiency Phase II placement test.

GERM 211 - Intermediate German (3 Credits)

Reading strategies, a review, and expansion of grammar structures, supplemented with materials concerning current issues.

Prerequisites: GERM 122, or satisfactory score on Basic Proficiency Phase II placement test.

Prerequisite or Corequisite: GERM 210.

GERM 230 - The Idea of Nature in Germany (3 Credits)

The idea of nature in Germany from the 18th century to today. Focus on scientific, philosophical, social and political entanglements that prompt radical shifts in how German thinkers view nature.

GERM 270 - Knights and Ladies (3 Credits)

Survey of medieval romances and love lyrics of Germany. History and culture of the High Middle Ages in Germany, especially courtly society. The function of chivalry and courtly literature in society.

Carolina Core: AIU

GERM 280 - German Culture and Civilization (3 Credits)

Survey of German cultural history from the Middle Ages to the present. Taught in English.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

GERM 290 - Viking Mythology (3 Credits)

Survey of Germanic mythological and heroic texts of the Viking Age. History and culture of Germanic tribes, especially the Vikings. The function of myth in society.

Carolina Core: AIU

GERM 295 - Green Technology in Germany (3 Credits)

Examination of roots and culture of environmentalism and related technological innovation in Germany. Comparison of green practices around the world to practices within Europe and U.S.

Cross-listed course: ENVR 295

Graduation with Leadership Distinction: GLD: Community Service

GERM 310 - German Conversation (3 Credits)

Continued practice in the four skills with focus on a selected aspect of German culture and society.

Prerequisites: GERM 210 and GERM 211.

GERM 311 - German Conversation and Composition (3 Credits)

Continued practice in the four skills with emphasis on developing writing skills and with focus on a specific aspect of German culture.

Prerequisites: GERM 210 and GERM 211.

GERM 316 - Advanced German for Business and Other Professions I (3 Credits)

Development of advanced language and cultural skills necessary for functioning in the professional world of German-speaking countries.

Prerequisites: C or higher in GERM 210 and GERM 211.

GERM 320 - German Kabarett Production (3 Credits)

Literary-historical analysis and discussion of texts from German Kabarett, including comedic skits, political and social satire, parody, humorous poetry. Semester ends with a public performance in German.

Prerequisites: GERM 310.

GERM 333 - Study of German Abroad (3-6 Credits)

Intensive language practice and cultural studies. May be repeated for credit by permission.

GERM 340 - Readings in German Literature (3 Credits)

An introduction to the literary genres illustrated by masterpieces in German poetry, drama, and prose.

Prerequisites: GERM 310 and GERM 311.

GERM 398 - Selected Topics (3 Credits)

Taught in English. Intensive study of cultural and/or literary movements in German-speaking countries. Course content varies by title.

GERM 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GERM 401P - Practicum in Teaching German to Young Children (3 Credits)

Introduction to principles of foreign language instruction and field experience planning instruction and teaching German to children in local elementary schools.

Corequisite: GERM 210 or higher.

Graduation with Leadership Distinction: GLD: Community Service

Experiential Learning: Experiential Learning Opportunity

GERM 410 - Advanced German Grammar (3 Credits)

Emphasis on advanced grammar structures, with continued development of all four skills (reading, writing, listening, speaking).

Prerequisites: GERM 310 and GERM 311.

GERM 411 - Advanced German Conversation (3 Credits)

Advanced practice in correct spoken idiomatic German with special focus on issues of the 20th century and contemporary culture.

Prerequisites: GERM 310 and GERM 311.

GERM 416 - Advanced German for Business and Other Professions II (3 Credits)

Development of advanced language and cultural skills necessary for functioning in the professional world of German-speaking countries. Preparation for standardized exams.

Prerequisites: C or higher in GERM 310 and GERM 311.

GERM 420 - Medieval German Literature and Culture (3 Credits)

Survey of German literature and culture from the beginnings to 1350, including Germanic mythology and heroic poetry, conversion to Christianity, courtly romance and love lyric, mystical writings, art and architecture.

Prerequisites: GERM 340.

GERM 430 - The German Enlightenment and its Countercurrents (3 Credits)

German literature and culture of the 18th century with emphasis on the period between 1750 and Weimar Classicism. May include major works by Lessing, Goethe, and Schiller.

Prerequisites: GERM 340.

GERM 440 - German Literature and Culture from 1800-1871 (3 Credits)

German literary, cultural, and intellectual developments from Unification to the end of WWII, including Naturalism, Expressionism, the Weimar Republic, the Third Reich, and the exile period.

Prerequisites: GERM 340.

GERM 450 - German Literature from 1890-1945 (3 Credits)

German literary, cultural, and intellectual developments from 1890 to 1945, including Expressionism, Weimar Republic, the Third Reich, and exile period.

Prerequisites: GERM 340.

GERM 460 - Post-War and Contemporary German Literature (3 Credits)

German literary, cultural and political developments from Post-War destruction and reconstruction, through the Cold War period of division, with examination of the reunification process.

Prerequisites: GERM 340.

GERM 500 - Survey of German Culture (3 Credits)

Historical survey of the German contribution to the intellectual and cultural life of Europe. Texts and films in German.

Prerequisites: advanced reading ability in German.

GERM 515 - Introduction to German Linguistics (3 Credits)

Structural and descriptive linguistics applied to the German language.

Cross-listed course: LING 503

GERM 516 - History of the German Language (3 Credits)

Development of German in the Germanic, Old High German, Middle High German, and New High German periods. Phonology, morphology, syntax, semantics, and the relationship between dialects and the standard language.

Cross-listed course: LING 733

GERM 517 - Introduction to the Germanic Languages (3 Credits)

Introduction to historical Germanic linguistics including a survey of the Old Germanic languages (Old English, Old Frisian, Old Saxon, Old High German, Old Norse, Gothic); comparative phonology, morphology, and syntax, typology of modern Germanic languages and dialects; and common Germanic in its Indo-European context.

Cross-listed course: LING 533

GERM 518 - German Sociolinguistics (3 Credits)

Introduction to the study of variation in Modern German. Traditional German dialectology and dialect geography, language and society, multilingualism in the German-speaking countries, German in contact with other languages.

Cross-listed course: LING 548

GERM 580 - Topics in German Film (3 Credits)

Examination of recurring themes and issues or of significant periods and influential styles in German film. Course content varies and individual topics will be announced with course title.

GERM 598 - Selected Topics in German (3 Credits)**GERM 615 - Intensive Readings in German (3 Credits)**

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course. Undergraduates may take the course as an elective only by permission of instructor. Grades S/U for graduates and undergraduates.

GREK 121 - Elementary Ancient Greek I (3 Credits)

Basic grammar and vocabulary necessary for reading Classical and Koine Greek. Assumes no prior experience in the language.

Carolina Core: GFL

GREK 122 - Elementary Ancient Greek II (3 Credits)

Additional grammar and vocabulary necessary for reading Classical and Koine Greek.

Prerequisites: GREK 121.

Carolina Core: GFL

GREK 305 - The Greek New Testament (3 Credits)

Readings in the Gospels and Epistles.

Prerequisites: GREK 121 and GREK 122.

Cross-listed course: RELG 320

GREK 321 - Plato (3 Credits)

The life of Socrates based on the reading of Plato's *Apology* and *Crito* in Greek. Supplementary reading in English from Xenophon's *Memorabilia* and Aristophanes' *Clouds*.

Prerequisites: GREK 121 and GREK 122.

GREK 322 - Homer (3 Credits)

Readings from the *Iliad* and the *Odyssey* in Greek. Discussion of the language, background, and composition of the poems.

Prerequisites: GREK 121 and GREK 122.

GREK 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GREK 501 - Herodotus (3 Credits)

Readings from the *Histories*.

GREK 502 - Thucydides (3 Credits)

Readings from the *History of the Peloponnesian War*.

GREK 533 - Sophocles (3 Credits)

Selected plays.

GREK 534 - Euripides (3 Credits)

Selected plays.

GREK 543 - Hesiod and the Homeric Hymns (3 Credits)

Readings from the *Works and Days*, the *Theogony*, and the *Homeric Hymns*.

GREK 550 - Greek Seminar (3 Credits)

Authors and topics not covered in other Greek language courses, chosen to meet the needs of individual students. May be repeated with the approval of the department.

GREK 560 - Independent Study (1-3 Credits)

Special projects for independent study and research.

GREK 561 - Independent Study (1-3 Credits)

Special projects for independent study and research.

GREK 614 - Intensive Grammar Review of Ancient Attic Greek (3 Credits)

Intensive review for nonmajors designed to prepare them for GREK 615.

GREK 615 - Intensive Readings in Ancient Attic Greek (3 Credits)

Intensive reading for nonmajors. A review of grammar and syntax with reading of passages from Plato's Apology. Primarily for graduate students to fulfill the foreign-language reading requirement.

Prerequisites: GREK 614.

HEBR 121 - Elementary Hebrew (4 Credits)

Grammar and practical vocabulary for fundamental communication skills. Assumes no prior experience in the language. Offered only in fall.

HEBR 122 - Basic Proficiency in Hebrew (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Offered only in spring.

Prerequisites: HEBR 121.

HEBR 201 - Intermediate Hebrew (3 Credits)

Review of the basic principles of grammar, with emphasis on reading, oral skills, and writing.

HEBR 202 - Intermediate Hebrew (3 Credits)

Review of the basic principles of grammar, with emphasis on reading, oral skills, and writing.

HEBR 310 - Conversation and Composition (3 Credits)

Practical training in the spoken and written language.

Prerequisites: HEBR 202 or equivalent.

HEBR 398 - Selected Topics (3 Credits)

Intensive study in selected and cultural topics related to Judaism. May be repeated for credit under different titles. Taught in English.

HEBR 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ITAL 121 - Elementary Italian (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills.

Carolina Core: GFL

ITAL 122 - Basic Proficiency in Italian (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: ITAL 121.

Carolina Core: GFL

ITAL 130 - Accelerated Basic Proficiency in Italian (6 Credits)

Accelerated development of essential listening, reading, speaking, and writing skills to obtain the Basic Proficiency Level in Italian. Credit may be received only for one of the following: ITAL 121 and ITAL 122, or ITAL 130.

ITAL 221 - Intermediate Proficiency in Italian I (3 Credits)

Practice and rapid development of accurate skills in speaking, listening, reading and writing. Features BBC television course.

Prerequisites: ITAL 122.

ITAL 222 - Intermediate Proficiency in Italian II (3 Credits)

Practice and further rapid development of accurate skills in speaking, listening, reading and writing. Features BBC television course.

Prerequisites: ITAL 221.

ITAL 230 - Accelerated Intermediate Italian (6 Credits)

Accelerated development of intermediate level listening, reading, speaking, and writing skills in Italian. Credit may be received only for one of the following: ITAL 221 and ITAL 222, or ITAL 230.

Prerequisites: ITAL 122 or ITAL 130.

ITAL 310 - Italian Conversation (3 Credits)

Oral practice with advanced protocols of Italian conversation, focusing on perfecting rhythms and tonalities, and on a clear presentation of meaning.

ITAL 311 - Writing in Italian (3 Credits)

Introduction to letter, short essay, and creative writing, and to newspaper reports and selected essays as models of self-expression.

Prerequisites: ITAL 222.

ITAL 330 - TEATROMANIA: Italian Theater Practicum (3 Credits)

Project work in the production of plays in Italian. Includes readings in and public performance of Italian theatre and related materials.

ITAL 340 - The Other Italians: Emigrants and Immigrants (3 Credits)

Cultural analysis of the issues facing immigrants and their descendants in Italy, as well as the development of Italian American Culture in the United States. Through films, original texts, secondary literature, and contemporary media will be explored. Taught in English.

ITAL 350 - Advanced Italian Study Abroad (3-6 Credits)

Intensive language practice, emphasizing oral proficiency skills and advanced conversational protocols. Classroom instruction by native speakers, extensive contact with native environment, field trips. May be repeated for credit by permission.

Prerequisites: ITAL 122.

ITAL 355 - Survey of Italian Literature I (1200-1850) (3 Credits)

Introductory course of Italian Literature that covers canonical authors and key literary, cultural, and historical movements in Italy from 1200-1850.

Prerequisites: C or better in ITAL 221, ITAL 222 or ITAL 230; ITAL 310 and ITAL 311 strongly recommended.

ITAL 360 - Survey of Italian Literature II: 19th-21st Centuries (3 Credits)

Survey of significant writers, works, and cultural movements in Italian Literature from 1850 to the present day.

Prerequisites: C or better in ITAL 221, and ITAL 222 or ITAL 230, or appropriate placement score are required as prerequisites; ITAL 310 and/or 311 strongly recommended.

ITAL 398 - Selected Topics (3 Credits)

Intensive study of selected literary and cinematic topics of the Italian world. May be repeated for credit as topic varies by title. Taught in English.

ITAL 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ITAL 400 - Contemporary Italian Civilization (3 Credits)

Significant values in the Italian cultural heritage, as presented in native print and visual media.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ITAL 402 - Italian Food Culture: Adaptability and Sustainability in Italian and Global Food Systems (3 Credits)

Italian Culture Course on Italian and Global Foodways as studied through the lens of climate change and sustainability.

ITAL 404 - Twentieth Century Italian Literature (3 Credits)

Selected plays, short stories, novels and poems which characterize quality achievements by Italians, and which promote a better understanding of Italian life.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 405 - The Italian Love Lyric (3 Credits)

Italian love poetry, beginning with the "Dolce Stil Nuovo" of the late Middle Ages and ending with post-WWII avant-garde poetry.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 406 - Business Readings in Italian (3 Credits)

Selected literature from the Italian business world, such as correspondence, brochures, specialized newspapers and magazines, biographies of businessmen, prospectuses, and annual reports.

Prerequisites: ITAL 310, ITAL 311 and ITAL 312, or ITAL 350.

ITAL 407 - Advanced Conversation and Composition (3 Credits)

Prepares students for making lengthy formal reports in Italian, both written and oral, on topics of importance for success within an Italian environment.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 411 - Italian Literature in Translation (3 Credits)

Italian writers, focusing on the works of Dante, Petrarch, and Boccaccio, with additional selections from later authors.

ITAL 412 - Post-World War II Italian Cinema (3 Credits)

Italian films of high esthetic value that present major cultural concerns of post-WWII Italians. Skills in film criticism and analysis. Films are subtitled. Taught in English.

ITAL 499 - Senior Project (3-6 Credits)

Directed independent research project, with a formal presentation and public discussion.

Graduation with Leadership Distinction: GLD: Research

ITAL 500 - Machiavelli and Renaissance Florence (3 Credits)

Italian political and literary history course focusing on Machiavelli's major publications and their meanings with regard to the cultural and political goals of the Renaissance in Italy.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 502 - Cercasi Umore: Understanding Italy (3 Credits)

Comparative Italian/American literature and culture course examining the differences between humoristic texts in Italian and American cultures.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 504 - The Italian Novella (3 Credits)

Italian literature seminar tracing the history of the short story from its Italian origins through the twentieth century.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 560 - Independent Studies in Italian Literature (1-3 Credits)

Special topics in Italian literature.

ITAL 561 - Independent Studies in Italian Literature (1-3 Credits)

Special topics in Italian literature.

ITAL 615 - Intensive Readings in Italian (3 Credits)

Graduate students fulfill their foreign language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only.

JAPA 121 - Elementary Japanese (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

JAPA 122 - Basic Proficiency in Japanese (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Japanese 121.

Prerequisites: JAPA 121.

Carolina Core: GFL

JAPA 221 - Intermediate Japanese I (3 Credits)

Review and continuation of fundamentals of the language; development of oral and reading skills.

Prerequisites: JAPA 122 or JAPA 123.

JAPA 222 - Intermediate Japanese II (3 Credits)

Review and continuation of fundamentals of the language; development of written and oral expression.

Prerequisites: JAPA 221.

JAPA 224 - Reading and Writing Japanese (3 Credits)

Acquisition and advancement of kanji literacy and writing skills. Development of foundational skills to review basic kanji and to aid in inferring the meaning of higher level kanji. Covers 250 kanji characters with complementary instruction through many mediums (brush writing, postcards, meishi).

Prerequisites: JAPA 121 and JAPA 122.

JAPA 240 - Introduction to Japanese Culture (3 Credits)

Introduction to Japanese culture through an examination of cultural elements such as traditions, arts, history, geography, people, society, and religion. Taught in English.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

JAPA 321 - Advanced Japanese I (3 Credits)

Improvement of skills in conversation and composition; advanced reading in modern Japanese materials.

Prerequisites: JAPA 222 or JAPA 223.

JAPA 322 - Advanced Japanese II (3 Credits)

Continuation of JAPA 321, with emphasis on strengthening proficiency in the use of Kanji.

Prerequisites: JAPA 321.

JAPA 331 - Japanese for Business I (3 Credits)

Development of language skills specific to the Japanese business world and its practices.

Prerequisites: JAPA 222 or JAPA 223.

JAPA 332 - Japanese for Business II (3 Credits)

This is a continuation of JAPA 331.

Prerequisites: JAPA 331.

JAPA 340 - Introduction to Japanese Culture and Literature (3 Credits)

Introduction to Japanese literature and its cultural background. Conducted in English, but some background of Japanese is recommended.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JAPA 341 - Modern Japanese Literature (3 Credits)

Survey of modern Japanese literature and its cultural background up to the present. Conducted in English, but some knowledge of Japanese is required.

Prerequisites: JAPA 340.

JAPA 350 - Japanese Culture and Society through Film (3 Credits)

Examination of Japanese culture and contemporary society using selected films. Taught in English.

JAPA 351 - Japanese Culture and Society through Theatre (3 Credits)

Introduction to Japanese traditional theater and its influences on Japanese culture and society. Taught in English.

Cross-listed course: THEA 369

JAPA 353 - Japanese Culture and Society through Animation (3 Credits)

Examination of Japanese culture and contemporary society through studying of popular animations. Taught in English.

JAPA 398 - Selected Topics (3 Credits)

Intensive study of selected topics in Japanese literature and culture. May be repeated for credit as topic varies by title. Taught in English.

JAPA 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

JAPA 421 - Advanced Japanese III (3 Credits)

Development of proficiency in speaking, reading, and writing through advanced studies of authentic Japanese materials.

Prerequisites: JAPA 322, JAPA 323.

JAPA 422 - Advanced Japanese IV (3 Credits)

Strengthening proficiency in writing and reading.

Prerequisites: JAPA 421.

JAPA 500 - Japanese Language in Society (3 Credits)

Japanese language and communication in its sociocultural context; emphasis on comparison with American English. Taught in English.

Cross-listed course: LING 546

KORE 121 - Elementary Korean (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

KORE 122 - Basic Proficiency in Korean (4 Credits)

Practice and development of essential listening, reading, speaking, and writing skills.

Prerequisites: KORE 121.

KORE 221 - Intermediate Korean I (3 Credits)

Review and continuation of fundamentals of the language; development of oral and reading skills.

Prerequisites: KORE 122.

KORE 222 - Intermediate Korean II (3 Credits)

Increased emphasis on written and oral expression in Korean.

Prerequisites: KORE 221.

LATN 109 - Beginning Latin I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental reading skills. Admission to 109 restricted to those who have never studied Latin, who have not studied Latin in the previous five years, or who have a score of L-1 on the placement test.

Carolina Core: GFL

LATN 110 - Beginning Latin II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental reading skills. Credit may not be received for both LATN 109/LATN 110 and LATN 121.

Prerequisites: LATN 109.

Carolina Core: GFL

LATN 121 - Elementary Latin (4 Credits)

Grammar and vocabulary necessary for fundamental reading skills.

Assumes prior experience in Latin. Admission only by proficiency examination. Credit may be received for only one of the following: LATN 109/LATN 110 or LATN 121.

Carolina Core: GFL

LATN 122 - Basic Proficiency in Latin (3 Credits)

Practice and further development of essential reading skills.

Prerequisites: LATN 110 or LATN 121.

Carolina Core: GFL

LATN 301 - Advanced Readings in Latin Literature (3 Credits)

A survey of Latin literature designed for the student who wishes to develop a major or cognate in Latin.

Prerequisites: LATN 122.

LATN 321 - Virgil (3 Credits)

Readings from the Aeneid.

LATN 322 - Latin Literature of the Golden Age (3 Credits)

Selected readings in prose and poetry of representative authors.

LATN 342 - Latin Composition (3 Credits)

A study of Latin syntax in order to translate English prose into Latin. Instruction is individualized.

LATN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

LATN 501 - Latin Drama (3 Credits)

Selected plays of Plautus and Terence.

LATN 502 - Cicero (3 Credits)

Readings from a variety of Cicero's works to gain a concept of the man as a humanist.

LATN 504 - Horace (3 Credits)

Readings from the Odes.

LATN 508 - Ovid (3 Credits)

Selected readings from the Metamorphoses.

LATN 513 - Tacitus (3 Credits)

Agricola or selections from the Annales.

LATN 514 - Livy (3 Credits)

Readings from Ab Urbe Condita.

LATN 525 - Roman Satire (3 Credits)

Readings in Horace, Juvenal, and Petronius.

LATN 530 - Latin Erotic Poetry (3 Credits)

Readings from the elegies of Catullus, Tibullus, Propertius, and Ovid.

LATN 537 - Lucretius (3 Credits)

Readings from the De Rerum Natura.

LATN 540 - Renaissance Latin (3 Credits)

An examination of several genres of Latin writing from Europe during the period 1400-1600, emphasizing, but not limited to, Italian writers.

LATN 551 - History of Latin Literature from the Origins to the Golden Age (3 Credits)

Readings from the Twelve Tables to Virgil, supplemented by readings in history and scholarship. Designed to prepare majors and honors students for further study.

LATN 552 - History of Latin Literature in the Silver Age (3 Credits)

Readings from Ovid to Ammianus, supplemented by readings in history and scholarship. Designed to prepare majors and honors students for further study.

LATN 560 - Independent Study (1-3 Credits)

Special projects for independent study and research.

LATN 561 - Independent Study (1-3 Credits)

Special projects for independent study and research.

LATN 580 - Teaching Advanced Latin in Secondary School (3 Credits)

Methods and materials for teaching the Latin Advanced Placement courses in secondary school.

LATN 614 - Intensive Grammar Review in Latin (3 Credits)

Intensive grammar review for non-majors; designed as preparation for LATN 615.

LATN 615 - Intensive Readings in Latin (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only.

PORT 121 - Elementary Portuguese (3 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

PORT 122 - Basic Proficiency in Portuguese (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: PORT 121.

Carolina Core: GFL

PORT 201 - Intermediate Portuguese I (3 Credits)

Review of the basic principles of grammar with additional emphasis on reading and oral skills.

Prerequisites: PORT 122, PORT 130.

PORT 202 - Intermediate Portuguese II (3 Credits)

Continued review of the basic principles of grammar with additional emphasis on reading, writing, and oral skills.

Prerequisites: PORT 201.

PORT 299 - Accelerated Portuguese for Speakers of Spanish (3 Credits)

Accelerated Portuguese for speakers of Spanish, taught through a communicative approach. Students will develop intermediate-level oral and written communication skills in Portuguese and increase knowledge about multiple aspects of Luso-Brazilian cultures.

Prerequisites: SPAN 302, advanced proficiency or equivalent in Spanish.

PORT 309 - Advanced Conversation and Composition I (3 Credits)

Development of advanced conversational and compositional skills through systematic grammar study and review, reading, oral activities, and film discussion.

Prerequisites: Any 200-level PORT course.

PORT 310 - Advanced Conversation and Composition II (3 Credits)

Development of advanced conversational and compositional skills through systematic grammar study and review, reading, and the analysis of texts through both writing and oral discussion.

Prerequisites: Any 200-level PORT course.

PORT 312 - Introduction to Luso-Brazilian Literature (3 Credits)

Introduction to reading literary texts in Portuguese through carefully selected readings from different genres/periods.

Prerequisites: PORT 309 and PORT 310.

PORT 316 - Business Portuguese (3 Credits)

Society and business topics in Brazil. Equally useful for non-business majors.

Prerequisites: C or better in PORT 309 or PORT 310.

PORT 325 - The Brazilian Modern Short Story (3 Credits)

Examination of Brazilian short fiction and crônicas (literary journalistic pieces).

Prerequisites: PORT 309 and PORT 310.

PORT 360 - Social Justice in the Lusophone World (3 Credits)

Contemporary social justice topics throughout the Portuguese-speaking world, including Africa and Asia.

Prerequisites: C or better in PORT 309 or PORT 310.

PORT 375 - Special Topics in Luso-Brazilian Cultural Production (3 Credits)

Intensive study of special topics in Luso-Brazilian cultural production. May be repeated once as content varies by title. Taught in Portuguese.

Prerequisites: PORT 309 and PORT 310.

PORT 398 - Selected Portuguese Topics (1-3 Credits)

Intensive study of selected topics. May be repeated for credit under different title. Taught in English. Individual topics to be announced by title.

PORT 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PORT 615 - Intensive Readings in Portuguese (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language reading requirements with successful completion of the course. Undergraduates may take the course as an elective only.

RUSS 121 - Elementary Russian (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

RUSS 122 - Basic Proficiency in Russian (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: RUSS 121.

Carolina Core: GFL

RUSS 201 - Intermediate Russian I (3 Credits)

Continued exposure to the fundamentals of Russian grammar, along with increased focus on reading and speaking skills.

Prerequisites: RUSS 122 or satisfactory score on language placement test.

RUSS 202 - Intermediate Russian II (3 Credits)

Completion of exposure to the fundamentals of Russian grammar, with emphasis on writing, reading, and conversation.

Prerequisites: RUSS 201 or satisfactory score on language placement test.

RUSS 280 - Introduction to Russian Civilization (3 Credits)

A multimedia introduction to Russian culture from its beginnings to the present. No knowledge of Russian required.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RUSS 298 - Selected Topics (1-3 Credits)

Introductory-level study of selected topics in Russian culture. Does not apply toward the Russian major. May be repeated for credit under a different title.

RUSS 301 - Russian Conversation and Composition I (3 Credits)

Conversation, reading, composition, comprehensive review of grammar.

Prerequisites: RUSS 202 or satisfactory score on language placement test.

RUSS 302 - Russian Conversation and Composition II (3 Credits)

Emphasis on oral proficiency, using contemporary authentic materials from Russian newspapers, textbooks, and television newscasts.

Prerequisites: RUSS 301 or satisfactory score on language placement test.

RUSS 319 - Nineteenth-Century Russian Literature in Translation (3 Credits)

Masterworks of Russian literature by Tolstoy, Dostoevsky, Turgenev, Pushkin, Chekov, and others.

Graduation with Leadership Distinction: GLD: Global Learning

RUSS 319L - Nineteenth-Century Russian Literature in Russian (1 Credit)

A Russian-language course designed to supplement 319. Reading and discussion in Russian of 19th-century poetry and prose.

Prerequisites: RUSS 302.

RUSS 320 - Twentieth-Century Russian Literature in Translation (3 Credits)

Masterworks of Russian literature by Bely, Pasternak, Bulgakov, Nabokov, Solzhenitsyn, and others.

Graduation with Leadership Distinction: GLD: Global Learning

RUSS 320L - Twentieth-Century Russian Literature in Russian (1 Credit)

A Russian-language course designed to supplement RUSS 320.

RUSS 340 - Russian Shorts: Stories and Essays (3 Credits)

An examination of Russian short stories and essays by Russian writers from the nineteenth century to the twenty-first century.

RUSS 350 - Russian Folklore and Fairy Tales (3 Credits)

An introduction to Russian fairy tales and other genres of folklore, both in their original form within an oral tradition and as reworked in Russian art and literature.

RUSS 398 - Selected Topics (3 Credits)

Intensive study of selected topics in Russian cultural and/or literary movements. Taught in English. May be repeated for credit under a different title.

RUSS 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RUSS 401 - Advanced Russian I (3 Credits)

Acquisition of subtleties of Russian grammar. Increased focus on reading, writing, and discussion.

Prerequisites: RUSS 302 or satisfactory score on language placement test.

RUSS 402 - Advanced Russian II (3 Credits)

Exposure to prose and poetry from a wide variety of sources and periods. Focus on oral proficiency, reading, comprehension, and writing.

Prerequisites: RUSS 401 or satisfactory score on language placement test.

RUSS 518 - Medieval Russian Culture (3 Credits)

An introduction to the culture of medieval Russia through its written records, folklore, icons, and ancient religious chant.

RUSS 520 - Russian Modernism: Love, Sex and Politics in Revolutionary Russia (3 Credits)

An exploration of Russian modernist culture, with particular attention to the themes of social and political change. Authors under discussion include Kuzmin, Bely, and Zamyatin.

RUSS 530 - Homer in Russia (3 Credits)

An examination of the influence of Homer's epic poems *The Iliad* and *The Odyssey* on Russian culture, as seen in works by Russian writers including Tolstoy, Pasternak, and Brodsky.

RUSS 540 - Writing Russian National Identity (3 Credits)

An examination of Russian writers reflecting on Russian national identity, including Solzhenitsyn, Dostoevsky, and Grossman.

RUSS 598 - Selected Topics in Russian (3 Credits)

Reading and research on selected topics in Russian. Course content varies and will be announced in the schedule of courses by title.

RUSS 615 - Intensive Readings in Russian (3 Credits)

Intensive reading course for non-majors. Primarily for graduate students to fulfill the foreign-language reading requirement. It will not be applied toward the degree language requirements nor will it be accepted as a substitute in the course sequence leading to the various degree requirements.

RUSS 616 - Intensive Readings in Russian (3 Credits)

Intensive reading course for non-majors. Primarily for graduate students to fulfill the foreign-language reading requirement. It will not be applied toward the degree language requirements nor will it be accepted as a substitute in the course sequence leading to the various degree requirements.

Prerequisites: RUSS 615.

SPAN 109 - Beginning Spanish I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have never studied Spanish or placed by examination into SPAN 109. Credit may be received only for one of the following: SPAN 109, SPAN 110; SPAN 111; or SPAN 121.

Carolina Core: GFL

SPAN 110 - Beginning Spanish II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have completed SPAN 109. Credit may be received only for one of the following: SPAN 109, SPAN 110; SPAN 111; or SPAN 121.

Carolina Core: GFL

SPAN 111 - Intensive Beginning Spanish (6 Credits)

Intensive introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission only to highly motivated beginning students who obtain the permission of the department. Credit may be received only for one of the following: SPAN 109, SPAN 110, SPAN 111, or SPAN 121.

Carolina Core: GFL

SPAN 121 - Elementary Spanish (3 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in Spanish. Admission only by proficiency examination. Credit may be received for only one of the following: SPAN 109, SPAN 110, SPAN 111, or SPAN 121.

Carolina Core: GFL

SPAN 122 - Basic Proficiency in Spanish (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: SPAN 109, SPAN 110, SPAN 111, or SPAN 121 or by placement examination.

Carolina Core: GFL

SPAN 209 - Intermediate Spanish I (3 Credits)

Further development of listening, speaking, reading, and writing skills. Use of authentic cultural materials.

Prerequisites: C or better in SPAN 122 or by Placement Exam.

SPAN 210 - Intermediate Spanish II (3 Credits)

Continued development of the four skills practiced in SPAN 209.

Prerequisites: C or better in SPAN 209 or by Placement Exam.

SPAN 211 - Intensive Intermediate Spanish (6 Credits)

Further development of listening, speaking, reading, and writing skills. Designed for highly motivated students. Credit not awarded for both SPAN 209-SPAN 210 and SPAN 211.

Prerequisites: SPAN 122 or placement at 209 level on Phase II placement exam.

SPAN 220 - Selected Works of Hispanic Literature in English Translation (3 Credits)

Selected major works, especially contemporary works, in all genres of Hispanic literature in English translation.

Carolina Core: AIU

SPAN 301 - Service Learning in Spanish (1-3 Credits)

Contract approved by instructor, director, and department chair required. May be repeated. Maximum of 3 hours may apply towards major or minor.

Prerequisites: SPAN 210.

SPAN 302 - Advanced Spanish (3 Credits)

In-depth study of advanced grammatical structures of Spanish to develop proficiency in all 4 skills and cultural competency. Gateway course for Spanish majors.

Prerequisites: B or better in SPAN 210, SPAN 211 or SPAN 230 or by placement.

SPAN 303 - Cultural Readings and Advanced Composition (3 Credits)

Development of advanced composition skills in Spanish on a variety of topics related to cultural production of the Spanish-speaking world.

Prerequisites: C or better in SPAN 302 or by placement.

SPAN 304 - Cultural Readings and Advanced Conversation (3 Credits)

Cultural readings about the Spanish-speaking world, and advanced speaking skills practice through various strategies such as group discussions, debates, presentations.

Prerequisites: C or better in SPAN 302 or by placement.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 305 - Working with Hispanic Clients (3 Credits)

Crosscultural approaches to interactions with persons of Hispanic origin in a variety of professional settings. Readings, speakers, media. Taught in Spanish. Departmental permission required for transfer students.

Prerequisites: B or better in SPAN 210 or SPAN 211; placement at 300 level on Phase II placement exam.

Cross-listed course: LASP 305

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning

SPAN 311 - Spanish for Heritage Speakers (3 Credits)

Intensive grammar practice, enhancement of reading and writing skills for individuals raised in a Spanish-speaking household but with little or no formal Spanish instruction. Restricted to heritage speakers, as defined in Bulletin description.

Prerequisites: Placement by Phase II Exam.

SPAN 312 - Introduction to Reading Hispanic Literary Texts (3 Credits)

Approaches to reading literary texts through carefully selected readings from different genres.

Prerequisites: SPAN 303 or by placement. D or better for non-Spanish majors. C or better for Spanish majors and minors.

SPAN 316 - Business Spanish (3 Credits)

Commercial organizations and business in Spanish-speaking countries, business correspondence, terminology, and techniques in commercial transactions. Standardized examinations available such as the Certificado de la Camara de Comercio de Madrid.

Prerequisites: C or better in SPAN 302 or by placement.

SPAN 317 - Spanish Phonetics and Pronunciation (3 Credits)

Analysis of and practice in pronunciation, listening comprehension, and dialect recognition based on study of the speech sounds, combinations, patterns, and processes of Spanish phonetics and phonology.

Department permission required for transfer students.

Prerequisites: C+ or better in SPAN 302; placement at 300 level of Phase II placement exam.

Cross-listed course: LING 314

SPAN 350 - Spanish Language Study Abroad (3 Credits)

Intensive language practice in native environment with emphasis on oral skills. Instruction by native speakers; community contact, and home stay. May be repeated once for credit. Restricted to participants of the USC Spanish Summer Global Classroom Program.

SPAN 360 - Spanish for Healthcare Professionals (3 Credits)

Health professionals' functional and lexical language ability, cultural information, etiquette and protocol necessary to interact with Spanish speakers.

Prerequisites: SPAN 302 or by placement.

SPAN 375 - Special Topics in Hispanic Literature (3 Credits)

Course content treating cultural and literary themes varies.

Prerequisites: C or better in SPAN 303 or by placement.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPAN 376 - Special Topics in Hispanic Language and Culture (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: C or higher in SPAN 302; Placement Exam score of SD or S7.

SPAN 380 - The Cinema of Spain (3 Credits)

Investigation of Spanish cultures through the study of its films and the cinematic medium.

Prerequisites: SPAN 303 or by placement.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

SPAN 381 - The Cinema of Latin America (3 Credits)

Investigation of Latin American cultures through the study of films and the cinematic medium.

Prerequisites: Placement at 300 level on Phase II placement exam, grade of C+ or better in SPAN 303, or consent of instructor. Department permission required for transfer students.

SPAN 398 - Special Topics in Hispanic Studies (3 Credits)

Intensive study of selected topics of the Hispanic world. Taught in English.

SPAN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students. Department permission required for transfer students.

Prerequisites: B or better in SPAN 210 or SPAN 211; Placement at 300 level on Phase II placement exam.

Graduation with Leadership Distinction: GLD: Research

SPAN 400 - Spanish Culture (3 Credits)

Survey of the cultures of Spain via readings, visual culture, and discussion.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 401 - Latin American Culture (3 Credits)

Survey of the cultures of Latin America via readings, visual culture, and discussion.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

SPAN 404 - Spanish Literature (3 Credits)

A survey of literature, such as novels, short stories and poems, from Spain.

Prerequisites: C or better in SPAN 312.

SPAN 405 - Latin American Literature (3 Credits)

A survey of literature, such as novels, short stories and poems, from Latin America.

Prerequisites: SPAN 312.

SPAN 417 - Advanced Spanish for Business and the Professions (3 Credits)

Vocabulary, concepts, and oral/written skills necessary to communicate effectively in the social, cultural, or economic infrastructure of Hispanic countries. Introduction to the use of technology for the acquisition and processing of materials relevant to students' professional goals.

Prerequisites: SPAN 316.

SPAN 475 - Advanced Special Topics in Hispanic Literature (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: D or better in SPAN 312 or by placement.

SPAN 476 - Advanced Special Topics in Hispanic Language and Culture (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title. This course will be taught in Spanish.

Prerequisites: D or better in SPAN 303 or by placement.

SPAN 498 - Advanced Special Topics in Hispanic Studies (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title. Taught in English.

SPAN 499 - Senior Seminar (3 Credits)

A special seminar devoted to the in-depth study of selected subjects in Hispanic literature, culture, or language. Required for the intensive major in Spanish.

Prerequisites: 3.00 GPA; 18 hours of 300-level Spanish.

Graduation with Leadership Distinction: GLD: Research

SPAN 500 - Contemporary Spain (3 Credits)

Analysis and discussion of 20th-century Spanish history and the sociocultural forces that have contributed to define this country's national identity. Taught in Spanish.

Prerequisites: SPAN 303 for Undergraduates, Phase II placement exam above SPAN 303.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 501 - Contemporary Latin America (3 Credits)

Analysis and discussion of contemporary Latin American history and the sociocultural forces that have contributed to define this area's national identities. Taught in Spanish.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

SPAN 513 - Introduction to Professional and Technical Translation (3 Credits)

Introduction to translation and practice of skills required for professional and technical Spanish/English translation.

Prerequisites: SPAN 409.

SPAN 515 - Introduction to Spanish Linguistics (3 Credits)

Phonology, morphology, and syntax of modern Spanish.

Prerequisites: C or better in SPAN 303.

Cross-listed course: LING 504

SPAN 516 - The Structure of Modern Spanish (3 Credits)

Description of the grammatical structures of Modern Spanish. Intensive study of the theory and practice of word formation and sentence structure of Spanish.

Cross-listed course: LING 554

SPAN 517 - Contrastive English-Spanish Phonetics and Phonology (3 Credits)

Introduction to the study of phonetics and phonology and their application to the sounds and sound systems of English and Spanish. Includes transcription practice and discussion of relevance to teaching.

Cross-listed course: LING 514

SPAN 518 - Introduction to Spanish Medieval Literature (3 Credits)

Survey of Spanish literature from its first manifestations to La Celestina. Introduction; early works; the epic; 13th- through 15th-century prose and verse; Berceo, Alfonso X, Juan Ruiz, Marques de Santillana; others.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 524 - Renaissance and Golden Age Literature (3 Credits)

Survey of the works of Garcilaso, the Spanish mystics, Lope, Quevedo, Tirso, Calderon, Gongora and others.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 534 - Nineteenth-Century Spanish Literature (3 Credits)

Survey of the works of the major literary figures of the period.

Prerequisites: SPAN 312 for undergraduates.

SPAN 538 - Twentieth-Century Spanish Literature (3 Credits)

Survey of major peninsular writers from the Generation of '98 to the present.

Prerequisites: SPAN 312 for Undergraduates.

SPAN 541 - Colonial Spanish-American Literature to Neoclassicism (3 Credits)

Survey of pre-Columbian poetry and of texts dating from the time of Columbus to the end of the Colonial period.

Cross-listed course: LASP 541

SPAN 543 - Spanish-American Literature from the Independence Through Modernism (3 Credits)

Survey of the most significant works of the Independence through Modernism.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 550 - Advanced Language Study Abroad (3 Credits)

Intensive language practice in native environment with special emphasis on oral skills. Instruction by native speakers; extensive community contact and home stay. Prior placement test required.

SPAN 555 - Spanish-American Literature from Modernism Through 1960 (3 Credits)

Survey of the most significant works of this period.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 557 - Contemporary Spanish-American Literature (3 Credits)

Survey of the most significant works from 1960 to the present.

Cross-listed course: LASP 471

SPAN 575 - Special Topics in Spanish (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: D or better in SPAN 312 or graduate standing.

SPAN 615 - Intensive Readings in Spanish (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course.

Undergraduates may take the course as an elective only by permission.

SWAH 121 - Elementary Swahili (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Offered only in fall.

SWAH 122 - Basic Proficiency in Swahili (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Offered in spring and summer II semesters.

Prerequisites: SWAH 121.

SWAH 201 - Intermediate Swahili (3 Credits)

Development of reading, speaking, listening, and writing skills; introduction of East African culture. SWAH 201 offered in fall, SWAH 202 offered in spring.

SWAH 202 - Intermediate Swahili (3 Credits)

Development of reading, speaking, listening, and writing skills; introduction of East African culture. SWAH 201 offered in fall, SWAH 202 offered in spring.

SWAH 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

Ancient Greek Literature Minor

Minor Requirements

Prerequisite Courses (6 Hours)

Course	Title	Credits
GREK 121	Elementary Ancient Greek I	3
GREK 122	Elementary Ancient Greek II	3
Total Credit Hours		6

Required Courses (18 Hours)

Course	Title	Credits
Select six of the following:		
GREK 305	The Greek New Testament	18
GREK 321	Plato	
GREK 322	Homer	
GREK 501	Herodotus	
GREK 502	Thucydides	
GREK 533	Sophocles	
GREK 534	Euripides	
GREK 543	Hesiod and the Homeric Hymns	

GREK 550	Greek Seminar	
Total Credit Hours		18

Chinese Studies Minor

Minor Requirements (18 Hours)

Hours Required for the Minor: 18

Required Courses

CHIN 240 and Chinese language through CHIN 322. Students who place out of some or all of the core language courses will take the 18 hours in literature, civilization and advanced language courses (as appropriate).

The following courses may be applied to the minor:

Course	Title	Credits
CHIN 222	Intermediate Mandarin Chinese II	3
CHIN 321	Advanced intermediate Mandarin Chinese I	3
CHIN 322	Advanced Intermediate Mandarin Chinese II	3
CHIN 240	Chinese Culture, Tradition, and Modern Societies	3

Electives

At least six hours from the following:

Course	Title	Credits
CHIN 335	Women in China	3
CHIN 341	Modern Chinese Literature	3
CHIN 365	Screening China	3
CHIN 398	Selected Topics	3
CPLT 303	Great Books of the Eastern World	3
CPLT 415	Topics in Comparative Literary Relations	3
ANTH 242	Chinese Popular Culture	3
ARTH 345	History of Asian Art	3
HIST 355	Late Imperial China	3
HIST 356	China Since 1949	3
POLI 443	International Relations of East Asia and the Pacific	3
POLI 448	Politics and Government of China	3
RELG 220	Introduction to Buddhism	3
RELG 352	Religions of East Asia	3

Classical Studies Minor

Minor Requirements (18 Hours)

Required Courses (9 Hours)

Course	Title	Credits
CLAS 586	Classical Mythology	3

Select six hours from the following		6
CLAS 305	Greece and Rome in Film and Popular Culture	
CLAS 320	Sexuality and Gender in Ancient Greece	
CLAS 321	Sexuality, Gender, and Power in Ancient Rome	
Greek or Latin at the 300-level or above		

Total Credit Hours		9
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Electives (9 Hours)

Course	Title	Credits
Select one of the following:		3
CPLT 301	Great Books of the Western World I	
CLAS 301	Ancient Philosophy	
CLAS 320	Sexuality and Gender in Ancient Greece	
CLAS 321	Sexuality, Gender, and Power in Ancient Rome	
CLAS 401	Greek and Latin Literature in Translation	
Select one of the following:		3
HIST 302	Greek History and Civilization to 146 B.C.	
HIST 303	Roman Republic and Early Empire	
HIST 304	Late Antiquity: Imperial Rome to Islam	
Select one of the following:		3
CLAS 302	Greek and Roman Philosophy after Aristotle	
CLAS 323	Greek Civilization on Site	
CLAS 360	Classical Origins of Western Medical Ethics	
CLAS 361	Between Magic and Method: Ancient Medicine	
PHIL 505	Plato	
PHIL 506	Aristotle	
PHIL 526	Hellenistic Philosophy	
RELG 310	Paul and the Philosophers	
RELG 313	The Writings of John the Apostle	
RELG 410	Origins of Western Morality	

Total Credit Hours		9
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Note: Other courses, with appropriate content, such as special topics, may be applied with permission of the advisor.

Comparative Literature Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		

CPLT 270	World Literature	3
CPLT 300	What is Comparative Literature	3

Electives		
Select two of the following:		6

CPLT 301	Great Books of the Western World I	
CPLT 302	Great Books of the Western World II	
CPLT 303	Great Books of the Eastern World	

Comparative Literature Electives		
One CPLT course, 300-level or above		3
One literature course in the student's foreign language, 300-level or above		3

Total Credit Hours		18
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Foreign Language Education Minor

Minor Requirements

Course	Title	Credits
Required Courses:		
EDRD 500	Content Area Literacy PK-12	3
EDPY 401	Learners and the Diversity of Learning	3

EDEX 491	Introduction to Inclusion of Students with Mild Disabilities	2
EDTE 201	Issues and Trends in Teaching and Learning	3
FORL 472	Introduction to Technology in Language Education	3
FORL 510	Teaching Second Languages to Young Children	3
FORL 511	Teaching Foreign Languages in Secondary Schools	3
Total Credit Hours		20

Notes:

- The Minor in Foreign Language Education is available only to students majoring in French, German, Spanish, or Classics.
- Minors in Education or Foreign Language Education do not qualify candidates for a recommendation for teacher certification. See the College of Education Office of Student Affairs (http://www.sc.edu/study/colleges_schools/education/my_coe/) for information on teacher certification programs.

French Minor

Minor Requirements (18 Hours)

Students who place out of some or all of the core language courses will take the 18 hours in literature, civilization and advanced language courses (as appropriate).

Course	Title	Credits
Required Courses		
FREN 209	Reading and Written Expression	3
FREN 210	Oral Communication	3
FREN 309	Reading French Texts	3
FREN 310	Advanced Oral Communication	3
Electives		
Select two of the following:		6
FREN 300	French Phonetics	
FREN 311	French Composition	
FREN 316	Introduction to Business French	
FREN 330	The French Theatre Experience	
FREN 350	French Language Study Abroad	
SCHC 363	HNRS: Proseminar in French	
FREN 397	The French Film Experience	
FREN 399	Independent Study	
FREN 400	French Cultural History	
FREN 416	Advanced Business French	
FREN 450	Topics in Literature	
FREN 451	French Literature and Culture Before 1800	
FREN 452	French Literature and Culture After 1800	
FREN 453	Francophone Literatures and Cultures	
SCHC 463	HNRS: Proseminar in French	
FREN 501	Contemporary France	
FREN 511	Techniques of Literary Analysis	
FREN 515	Advanced French Stylistics	
FREN 516	French Phonology	
FREN 517	French Linguistics	

FREN 595	Special Topics in French	
Total Credit Hours		18

German Minor

Minor Requirements

A minor in German requires eighteen hours of course work on the 200-level and above.

Course	Title	Credits
Select a maximum of two courses on the 200-level from the following:		6
GERM 210	Intermediate German	
GERM 211	Intermediate German	
GERM 280	German Culture and Civilization	
GERM 290	Viking Mythology	
Select four courses on the 300-level and above from the following:		12
GERM 310	German Conversation	
GERM 311	German Conversation and Composition	
GERM 316	Advanced German for Business and Other Professions I	
GERM 320	German Kabarett Production	
GERM 333	Study of German Abroad	
GERM 340	Readings in German Literature	
GERM 398	Selected Topics	
GERM 401P	Practicum in Teaching German to Young Children	
GERM 411	Advanced German Conversation	
GERM 416	Advanced German for Business and Other Professions II	
GERM 420	Medieval German Literature and Culture	
GERM 430	The German Enlightenment and its Countercurrents	
GERM 440	German Literature and Culture from 1800-1871	
GERM 450	German Literature from 1890-1945	
GERM 460	Post-War and Contemporary German Literature	
GERM 500	Survey of German Culture	
GERM 410	Advanced German Grammar	
GERM 515	Introduction to German Linguistics	
GERM 580	Topics in German Film	
GERM 598	Selected Topics in German	
Total Credit Hours		18

Notes

1. All six courses may be taken above the 200-level. Only one German course taught in English (GERM 280, GERM 290, GERM 398, or GERM 580) may count towards the minor.
2. Students majoring in Business are encouraged to enroll in GERM 316 and GERM 416.
3. A maximum of six hours of GERM 333, Summer Study Abroad, may apply to the German minor.
4. Transfer credit from study in the exchange programs with Bamberg and Wittenberg may be included in the German minor.
5. Students who begin their German minor with knowledge of German and who are placed in the 300-level or higher may petition for credit.

by-examination (for a maximum of 6 credits). The student who wants to become proficient in communication skills would, most likely, take the GERM 310, GERM 311, GERM 411 sequence.

Italian Minor

Minor Requirements (18 Hours)

Course	Title	Credits
200-level Courses		
ITAL 221	Intermediate Proficiency in Italian I	3
ITAL 222	Intermediate Proficiency in Italian II	3
Courses 300-level and Above		
Select 12 hours of the following:		12
ITAL 310	Italian Conversation	
ITAL 311	Writing in Italian	
ITAL 350	Advanced Italian Study Abroad	
ITAL 398	Selected Topics	
ITAL 399	Independent Study	
ITAL 400	Contemporary Italian Civilization	
ITAL 404	Twentieth Century Italian Literature	
ITAL 405	The Italian Love Lyric	
ITAL 406	Business Readings in Italian	
ITAL 407	Advanced Conversation and Composition	
ITAL 411	Italian Literature in Translation	
ITAL 412	Post-World War II Italian Cinema	
ITAL 499	Senior Project	
ITAL 560	Independent Studies in Italian Literature	
ITAL 561	Independent Studies in Italian Literature	
Total Credit Hours		18

Japanese Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Select 18 hours of the following:		18
JAPA 221	Intermediate Japanese I	
JAPA 222	Intermediate Japanese II	
JAPA 224	Reading and Writing Japanese	
JAPA 240	Introduction to Japanese Culture	
JAPA 321	Advanced Japanese I	
JAPA 322	Advanced Japanese II	
JAPA 331	Japanese for Business I	
JAPA 332	Japanese for Business II	
JAPA 340	Introduction to Japanese Culture and Literature	
JAPA 341	Modern Japanese Literature	
JAPA 350	Japanese Culture and Society through Film	
JAPA 351	Japanese Culture and Society through Theatre	
JAPA 353	Japanese Culture and Society through Animation	
JAPA 398	Selected Topics	
JAPA 399	Independent Study	
JAPA 421	Advanced Japanese III	
JAPA 422	Advanced Japanese IV	

JAPA 500 Japanese Language in Society

Total Credit Hours 18

Latin Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Course		
LATN 301	Advanced Readings in Latin Literature	3
Electives		
Select five of the following:		15
LATN 321	Virgil	
LATN 322	Latin Literature of the Golden Age	
LATN 501	Latin Drama	
LATN 502	Cicero	
LATN 504	Horace	
LATN 508	Ovid	
LATN 513	Tacitus	
LATN 514	Livy	
LATN 525	Roman Satire	
LATN 530	Latin Erotic Poetry	
LATN 537	Lucretius	
Total Credit Hours		18

Portuguese Minor

Minor Requirements (18 Hours)

Students must successfully complete **18 hours at the 200-level and above** in order to earn the Minor in Portuguese. Up to two different Independent Studies (6 credits total) may be used toward the minor. Students may earn up to 6 credits (two courses) on a study abroad program, but these courses must be approved by the Portuguese section coordinator **prior** to participation in a program abroad.

Russian Minor

Minor Requirements (18 Hours)

Eighteen credit hours above Russian 122 as follows:

Course	Title	Credits
Language		
RUSS 201	Intermediate Russian I	3
RUSS 202	Intermediate Russian II	3
RUSS 301	Russian Conversation and Composition I	3
RUSS 302	Russian Conversation and Composition II	3
Literature and Culture		
Select six hours of RUSS courses at the 200-500 level ¹		6
Total Credit Hours		18

¹ Topics courses may be repeated for credit under different topics.

Notes: Students who place into an upper-level language class can replace some or all of the 12 language credits with 400-level language classes or with additional RUSS literature or culture courses at the 200 to 500 level.

For more information, contact:

Alexander Ogden
Ogden@sc.edu
Humanities Office Building, Room 805
(803) 777-8456

Judith Kalb
kalbj@mailbox.sc.edu
Humanities Office Building, Room 912
(803) 777-8454

Spanish Minor

Minor Requirements (18 Hours)

A minimum grade of C is required in all minor courses

Course	Title	Credits
Required Course		
SPAN 302	Advanced Spanish	3
Spanish 200 or Above		
Select 6 hours of SPAN 200 or above ¹		6
Spanish 300 or Above		
Select 9 hours of Spanish 300 or above		9
Total Credit Hours		18

¹ SPAN 615 may not be applied to the minor.

Linguistics

Department Website (<http://www.cas.sc.edu/ling/>)

Mila Tasseva-Kurkchieva, *Director*

Linguistics is the scientific study of language. Its various subdisciplines investigate how speech sounds are organized (phonetics and phonology), how words, phrases, and sentences are structured (morphology and syntax), and how meaning is structured and interpreted (semantics and pragmatics). Linguistics also includes the study of how language is learned (language acquisition), how it is represented in the mind (psycholinguistics), how it changes over time (historical linguistics), and how it relates to social and cultural phenomena (sociolinguistics and linguistic anthropology).

At the undergraduate level the program offers the possibility of an undergraduate minor or cognate field in linguistics, and knowledge gained in such a course of study can complement a wide variety of disciplines. Students who would especially benefit from a minor or cognate in linguistics are those majoring in anthropology, computer science, English, French, German, philosophy, psychology, and Spanish. A linguistics minor is also good preparation for a graduate program in speech pathology. A student wishing to have linguistics as a major concentration of study may pursue an emphasis in the field through the Bachelor of Arts in Interdisciplinary Studies (B.A.I.S.) degree program. Further information about the B.A.I.S. program may be obtained from the College of Arts and Sciences.

The recommended first step in learning about linguistics is LING 101 which satisfies a Global Citizenship and Multicultural Understanding: Social Sciences Carolina Core requirement. After the introduction gained in this course, the student is prepared for specialized

courses on the 200-500 level. (There are, however, no formal prerequisites for these courses.) Possibilities include courses on the structure of human language, language in society, history of language, acquisition of language, and courses devoted to the description of a particular language: English, French, German, or Spanish.

Majoring in one of the related disciplines and minoring in linguistics can prepare students for a variety of careers, including teaching, translating, foreign service, and social work, or for graduate study in linguistics and any of its related fields. For students who want to pursue linguistics past the undergraduate level, the USC Linguistics Program offers a comprehensive graduate program in linguistics, which leads to the M.A. and Ph.D. degrees or the Graduate Certificate in Teaching English to Speakers of Other Languages.

Programs

- Linguistics Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/linguistics/linguistics-minor/>)

Courses

LING 101 - Linguistics 1: Introduction to Language (3 Credits)

Introduction to the human capacity for language and to how it is acquired. Investigation of language varieties, dialects, and styles. Examination of the social and geographical factors that contribute to language variation and change.

Carolina Core: GSS

LING 102 - Integrated Linguistic Skills for Non-Native Speakers 1 (3 Credits)

Linguistic skills for low-advanced non-native speakers of English related to writing, grammar, reading, listening and speaking for academic purposes. Students enrolled in the International Accelerator Program.

Corequisite: LING 103.

LING 103 - Integrated Linguistic Skills for Non-Native Speakers 2 (3 Credits)

Linguistic skills for low-advanced non-native speakers of English related to writing, grammar, reading, listening and speaking for academic purposes with a focus on research skills. Students enrolled in the International Accelerator Program.

Corequisite: LING 102.

LING 104 - Integrated Linguistic Skills for Non-Native Speakers 3 (3 Credits)

Linguistic skills for advanced non-native speakers English related to writing, grammar, reading, listening and speaking for academic purposes with a focus on productive skills. Students enrolled in the International Accelerator Program.

LING 105 - Special Topics in Linguistics I (3 Credits)

Topics of a broad nature that require no previous study in linguistics. May be repeated as content varies by title.

LING 140 - Linguistic Diversity Awareness (2 Credits)

A course designed to cultivate awareness of phonological and grammatical differences among dialects of English and ability to switch comfortably between one's dialect and standard usage. Two-hour lecture and laboratory.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 205 - Special Topics in Linguistics II (3 Credits)

Topics of a more focused nature that require no previous study in linguistics. May be repeated as content varies by title.

LING 240 - Language Conflict and Language Rights (3 Credits)

Examination of linguistic conflict and rights, as well as centrality of language rights to human rights and personal/cultural identity. Basic facts about language related to identity, culture, attitudes, dialects, bilingualism. Case studies (local, national, international) with particular attention to nationalism, language revitalization, language planning.

Cross-listed course: POLI 240

Carolina Core: VSR

LING 241 - Language and Popular Culture (3 Credits)

Linguistic anthropological study of forms of language through the lens of popular culture. Explore the ethnography of communication through play and performance, discursive and semiotic practices, and varieties of language invoked in popular cultural forms that provide resources for cultural reproduction and contestation.

Cross-listed course: ANTH 271

LING 242 - Language and Humor at the Intersections of Religion, Race, Ethnicity, and Gender (3 Credits)

Explores language and humor, looking at (i) the linguistic structure and psychology of humor, (ii) changing societal standards for humor, (iii) racial, ethnic, religious, and gender-based humor, and (iv) socio-political questions surrounding the use of these.

LING 243 - Korean Popular Culture and Language (3 Credits)

Introduction to linguistic and anthropological concepts through the lens of South Korean popular culture.

LING 273 - Cross-Cultural Communication (3 Credits)

This course introduces students to the fields of interactional sociolinguistics and linguistic anthropology. Students will learn how they approach the study of cross-cultural and intercultural forms of (mis)communication within the context of globally interconnected people, places, and systems of communication.

Cross-listed course: ANTH 273

Carolina Core: GSS

LING 300 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: ANTH 373, PSYC 470

LING 301 - The English Language (3 Credits)

Introduction to the field of linguistics with an emphasis on English. Covers the English sound system, word structure, and grammar. Explores history of English, American dialects, social registers, and style.

Cross-listed course: ENGL 389

LING 303 - Chinese Language and Society (3 Credits)

A comprehensive and up-to-date survey of Chinese language in a social context, teaching students not only the linguistic structure of modern standard Chinese but also how language and society mutually influence each other in history and today's digital age. Hands-on instruction to carry out linguistic research.

Prerequisites: C or better in CHIN 121.

LING 305 - Special Topics in Linguistics III (3 Credits)

Reading and research on selected topics in linguistics that may require previous study in linguistics or a related field. Prerequisites listed for each course offering. May be repeated as content varies by title.

LING 314 - Spanish Phonetics and Pronunciation (3 Credits)

Analysis of and practice in pronunciation, listening comprehension, and dialect recognition based on study of the speech sounds, combinations, patterns, and processes of Spanish phonetics and phonology. Department permission required for transfer students.

Prerequisites: C+ or better in SPAN 302; placement at 300 level of Phase II placement exam.

Cross-listed course: SPAN 317

LING 316 - French Phonetics (3 Credits)

Analysis of and practice in pronunciation and listening comprehension.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

Cross-listed course: FREN 300

LING 340 - Language, Culture, and Society (3 Credits)

Language in its social setting. The relationship between linguistic categories and culture categories. Language and cognition.

Cross-listed course: ANTH 355

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LING 345 - Language in the USA (3 Credits)

Linguistic examination of the structure, history, and use of language varieties in the U.S., with a particular focus on regional and sociocultural variation and relevant sociolinguistic issues.

Cross-listed course: ENGL 370

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

LING 395 - Teaching English Abroad (3 Credits)

An intensive, hands-on introduction to principles and techniques of teaching English language learners, exposing students to norms of the field of Teaching English to Speakers of Other Languages (TESOL), working with non-native English speakers, and discovering TESOL opportunities worldwide.

LING 399 - Independent Study (1-3 Credits)

Contract approved by instructor, advisor, and program director is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

LING 405 - Topics in Linguistics (3 Credits)

Intensive study of selected topics; may emphasize interdisciplinary themes.

LING 421 - English Grammar (3 Credits)

Major structures of English morphology and syntax; role of language history and social and regional variation in understanding contemporary English.

Cross-listed course: ENGL 450

LING 431 - Development of the English Language (3 Credits)

History of English from the earliest Old English texts through Middle English to Contemporary English. No previous knowledge of Old or Middle English is required.

Cross-listed course: ENGL 453

LING 440 - Language in Society (3 Credits)

Patterns in language use as a reflection of social group memberships or the negotiation of interpersonal relationships; special attention to social dialects and stylistic difference in American English.

Cross-listed course: ENGL 455

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary representations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: AFAM 442, ANTH 442, ENGL 457

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 472 - Introduction to Technology in Language Education (3 Credits)

Acquaints students with principles and practices concerning the use of technology in foreign language teaching. Explores connections between second language acquisition and the implementation of Internet and multimedia technologies.

Prerequisites: FORL 511.

Cross-listed course: FORL 472

LING 474 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: ANTH 374, PSYC 474

LING 502 - French Linguistics (3 Credits)

The structure, morphology, and syntax of modern French.

Cross-listed course: FREN 517

LING 503 - Introduction to German Linguistics (3 Credits)

Structural and descriptive linguistics applied to the German language.

Cross-listed course: GERM 515

LING 504 - Introduction to Spanish Linguistics (3 Credits)

Phonology, morphology, and syntax of modern Spanish.

Prerequisites: C or better in SPAN 303.

Cross-listed course: SPAN 515

LING 505 - Interdisciplinary Topics in Linguistics (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes title. May be repeated with different title.

LING 512 - French Phonology (3 Credits)

The sound system and its functioning in the morphological system of French from the point of view of current phonological theory.

Cross-listed course: FREN 516

LING 514 - Contrastive English-Spanish Phonetics and Phonology (3 Credits)

Introduction to the study of phonetics and phonology and their application to the sounds and sound systems of English and Spanish. Includes transcription practice and discussion of relevance to teaching.

Cross-listed course: SPAN 517

LING 521 - Advanced English Grammar (3 Credits)

Practical survey of the syntactic structures of English; usage, social and regional variation emphasis on data.

Prerequisites: ENGL 450, LING 421, ENGL 680, or LING 600.

Cross-listed course: ENGL 550

LING 527 - Introduction to Mathematical Methods in Linguistics (3 Credits)

Introduction to mathematical mechanisms that play a prominent role in the formalization of syntactic and semantic theories, showing how they are applied to an understanding of the working parts of human language. The topics covered include: set theory, logic, English as a formal language, and languages & grammars.

LING 530 - Language Change (3 Credits)

Major ways in which phonetics, phonology, syntax, morphology, and semantics change through language history; social factors which promote innovation.

LING 533 - Introduction to the Germanic Languages (3 Credits)

Introduction to historical Germanic linguistics including a survey of the Old Germanic languages (Old English, Old Frisian, Old Saxon, Old High German, Old Norse, Gothic); comparative phonology, morphology, and syntax, typology of modern Germanic languages and dialects; and common Germanic in its Indo-European context.

Cross-listed course: GERM 517

LING 540 - Topics in Language and Culture (3 Credits)

Introduction to sociolinguistic issues, focusing on a single language. Course content varies and will be announced by title. May be repeated twice as topics vary.

LING 541 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: ANTH 555, WGST 555

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 542 - Research in Language Conflict and Language Rights (3 Credits)

Research into the parameters governing linguistic conflicts and language rights issues, involving a close examination of the nexes of language and: individual and ethnic identity, culture, dialects, bilingualism. Examination of regional, national, and international case studies, with particular attention to nationalism, language revitalization, and language planning.

Cross-listed course: POLI 542

LING 543 - Discourse, Gender, and Politics of Emotion (3 Credits)

Anthropological approach to issues of discourse, gender, and emotion. Issues under consideration include the social control, force, and forms of emotional discourse and the relationship between emotion and culture from gender-oriented perspectives.

Cross-listed course: ANTH 586

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

LING 545 - Anthropological Approaches to Narrative and Performance (3 Credits)

The ways people from various cultures reflect on, reinforce, and construct their social realities through narrating, which will be considered as both artistic expression and social action.

Cross-listed course: ANTH 553

LING 546 - Japanese Language in Society (3 Credits)

Japanese language and communication in its socio-cultural context; emphasis on comparison with American English. Taught in English.

Cross-listed course: JAPA 500

LING 548 - German Sociolinguistics (3 Credits)

Introduction to the study of variation in Modern German. Traditional German dialectology and dialect geography, language and society, multilingualism in the German-speaking countries, German in contact with other languages.

Cross-listed course: GERM 518

LING 554 - The Structure of Modern Spanish (3 Credits)

Description of the grammatical structures of Modern Spanish. Intensive study of the theory and practice of word formation and sentence structure of Spanish.

Cross-listed course: SPAN 516

LING 556 - Language and Globalization (3 Credits)

Anthropological approach to issues of language and globalization. Linguistic consequences of globalization under consideration include communicative patterns, linguistic change, and language and political economy.

Cross-listed course: ANTH 556

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LING 565 - Philosophy of Language (3 Credits)

An examination of concepts and problems such as meaning, reference, analyticity, definition, and the relation between logic and philosophy.

Prerequisites: PHIL 202.

Cross-listed course: PHIL 517

LING 567 - Psychology of Language (3 Credits)

Theories of speech perception, linguistic theories of syntax and semantics, the brain mechanisms underlying language, the development of language in children, and the role of language in thought.

Cross-listed course: PSYC 506

LING 570 - Introduction to Language Development (3 Credits)

The language acquisition process in normal children, including the development of semantics, morphology, syntax, phonology, and pragmatics; American dialects and bilingualism.

Prerequisites: COMD 501 and COMD 507.

Cross-listed course: COMD 570

LING 600 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ANTH 600, ENGL 680

LING 627 - Introduction to Semantics and Pragmatics (3 Credits)

Introduction to the study of linguistic meaning, including the following topics: meaning, reference, and truth; the connections among language, thought, and reality; word meaning and sentence meaning; possible worlds and modality; thematic roles; meaning and context; presupposition and implicature; speech acts; formal semantics; and cognitive semantics.

Prerequisites: C or better in any of LING 300, LING 301, LING 600, PHIL 114, PHIL 511.

Cross-listed course: PHIL 522

LING 650 - Introduction to Morphology (3 Credits)

Foundations of generative morphology, focusing on morphological data collection and analysis; the structure of the lexicon; and the interfaces between morphology and phonology, semantics, and syntax.

Prerequisites: LING 300, LING 301, or LING 600.

Mathematics

Department Website (<http://www.math.sc.edu/>)

Linyuan Lu, *Chair*

The department offers a program leading to the degree of Bachelor of Science in mathematics and a special five-year program leading to a Bachelor of Science degree and a Master of Science degree in mathematics. In addition, the department serves many of the disciplines within the University through course offerings which provide basic mathematical skills necessary to the pursuit of studies in these disciplines.

General Mathematics Courses

MATH 111 is a course in basic mathematics intended for students who plan to take MATH 122 or MATH 170 and who need more thorough development in algebraic methods.

MATH 111I is an intensive version of MATH 111. This course is intended for students who plan to take MATH 122 or MATH 170 and desire additional support—in the form of smaller classes and more contact hours—to develop the necessary algebraic skills.

MATH 112 is the basic trigonometry course for students who plan to take MATH 141 and have adequate preparation in algebra but need more thorough development in trigonometry. This course may not be used for mathematics credit in the College of Engineering and Computing.

MATH 115 is the basic precalculus course for students who plan to take MATH 141 and need more thorough development in algebra and trigonometry before entering MATH 141. This course may not be used for mathematics credit in the College of Engineering and Computing.

MATH 122 is intended for students in business, the social sciences, pharmacy, and other disciplines which require an introduction to computational mathematics and calculus and is open to all interested students who satisfy the general requirements listed below.

MATH 141, MATH 142, MATH 241 constitute the normal calculus sequence for students in the College of Arts and Sciences and the College of Engineering and Computing. These courses are open to all students who satisfy the general requirements listed below.

MATH 170 is a basic course in finite mathematics. It may be used to satisfy the University's core requirements and is open to all interested students who satisfy the general requirements listed below.

Freshman Placement in Mathematics

MATH 111: Qualification through placement.

MATH 111I: Qualification through placement.

MATH 112: Qualification through placement or credit for MATH 111, either by successful completion of the course with a grade of C or better, transfer credit from another university, or successful completion of the test in MATH 111, available from the testing service.

MATH 115: Qualification through placement.

MATH 122: Qualification through placement or credit for MATH 111, either by successful completion of the course with a grade of C or better, transfer credit from another university, or successful completion of the test in MATH 111, available from the testing service.

MATH 141: Qualification through placement or credit for MATH 112 or MATH 115, either by successful completion of the course with a grade of C or better, transfer credit from another university, or successful completion of the test in MATH 115, available from the testing service.

Students who do not qualify for MATH 141 under paragraph 1 are strongly encouraged to try to obtain credit for MATH 115 either by taking the course or the examination during the summer preceding their first fall semester.

MATH 170: Qualification through placement or credit for MATH 111 or MATH 115, either by successful completion of the course with a grade of C or better, transfer credit from another university, or successful completion of the test in MATH 111 or MATH 115 which is available from the testing service.

Incoming students who wish to obtain bypass credit for certain mathematics courses may do so as follows:

MATH 111: CLEP Subject Examination titled "College Algebra" available from the testing service.

MATH 112: CLEP Subject Examination titled "Trigonometry" available from the testing service.

MATH 115: CLEP Subject Examination titled "College Algebra-Trigonometry" available from the testing service.

MATH 141: CLEP Subject Examination titled "Calculus with Analytic Geometry" available from the testing service.

Advanced Placement Test in Mathematics: The Advanced Placement Mathematics tests may be used to gain credit and advanced placement in calculus. Information is available from the testing service.

Programs

- Actuarial Mathematics and Statistics Minor (p. 151)
- Mathematical Biology Minor (p. 151)
- Mathematics Minor (p. 152)
- Mathematics, B.S. (p. 152)

Courses

MATH 111 - Basic College Mathematics (3 Credits)

Basic college algebra; linear and quadratic equations, inequalities, functions and graphs of functions, exponential and logarithm functions, systems of equations.

Prerequisites: placement through Algebra version of the Mathematics Placement Test.

MATH 111I - Intensive Basic College Mathematics (4 Credits)

An intensive treatment of the topics covered in MATH 111.

Prerequisites: placement through Algebra version of the Mathematics Placement Test.

MATH 112 - Trigonometry (2 Credits)

Topics in trigonometry specifically needed for MATH 141, MATH 142, MATH 241. Circular functions, analytic trigonometry, applications of trigonometry. Credit may not be received for both MATH 112 and MATH 115.

Prerequisites: C or better in MATH 111 or MATH 111I, or placement through Algebra version of the Mathematics Placement Test.

MATH 115 - Precalculus Mathematics (4 Credits)

Topics in algebra and trigonometry specifically needed for MATH 141, MATH 142, MATH 241. Subsets of the real line, absolute value; polynomial, rational, inverse, logarithmic, exponential functions; circular functions; analytic trigonometry.

Prerequisites: C or better in MATH 111 or MATH 111I, or placement through Precalculus version of the Mathematics Placement Test.

MATH 116 - Brief Precalculus Mathematics (2 Credits)

Essential algebra and trigonometry topics for Calculus, including working with equations that involve polynomials, rational functions, exponential and logarithmic functions, and trigonometric and inverse trigonometric functions. Intended for students with prior experience in Precalculus, but not ready for MATH 141.

Prerequisites: C or better in MATH 112 or MATH 115, or placement through Precalculus version of the Mathematics Placement Test.

MATH 122 - Calculus for Business Administration and Social Sciences (3 Credits)

Derivatives and integrals of elementary algebraic, exponential, and logarithmic functions. Maxima, minima, rate of change, motion, work, area under a curve, and volume.

Prerequisites: C or better in MATH 111, MATH 111I or MATH 115 or placement through Algebra version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 141 - Calculus I (4 Credits)

Functions, limits, derivatives, introduction to integrals, the Fundamental Theorem of Calculus, applications of derivatives and integrals. Four classroom hours and one laboratory hour per week.

Prerequisites: C or better in MATH 112, MATH 115, or MATH 116, or placement through Precalculus version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 142 - Calculus II (4 Credits)

Methods of integration, sequences and series, approximations. Four classroom hours and one laboratory hour per week.

Prerequisites: C or better in MATH 141.

Carolina Core: ARP

MATH 151 - Calculus Workshop I (1 Credit)

Small study group practice in applications of calculus. For elective credit only.

Corequisite: MATH 141.

MATH 152 - Calculus Workshop II (1 Credit)

MATH 152 is part of a pilot program at UofSC to help at-risk students in Calculus I & II. It is for elective credit only. The class will consist of small study group practice in applications of calculus.

Corequisite: MATH 142

MATH 170 - Finite Mathematics (3 Credits)

Elementary matrix theory; systems of linear equations; permutations and combinations; probability and Markov chains; linear programming and game theory.

Prerequisites: C or better in MATH 111 or MATH 1111 or MATH 122, or placement through Algebra version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 172 - Mathematical Modeling for the Life Sciences (3 Credits)

Biological modeling with differential and difference equations; techniques of model modifications; analytic, numerical, and graphical solution methods; equilibria, stability, and long-term system behavior; geometric series; vectors, matrices, eigenvalues, and eigenvectors. Applications principally to population dynamics and compartment models.

Prerequisites: C or better in MATH 122 or MATH 141.

Carolina Core: ARP

MATH 174 - Discrete Mathematics for Computer Science (3 Credits)

Logic, number theory, sequences, series, recursion, mathematical induction, set theory, enumeration, functions, relations, graphs and trees. Connections to computers and to programming are emphasized when possible.

Prerequisites: C or better in MATH 115, MATH 116, MATH 122, or MATH 141, or placement through the pre-calculus version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 198 - Introduction to Careers and Research in the Mathematical Sciences (1 Credit)

An overview of different areas of mathematical research and career opportunities for mathematics majors. Pass/fail only.

Prerequisites: C or better in MATH 141.

Graduation with Leadership Distinction: GLD: Research

MATH 221 - Basic Concepts of Elementary Mathematics I (3 Credits)

The meaning of number, fundamental operations of arithmetic, the structure of the real number system and its subsystems, elementary number theory. Open only to students in elementary or early childhood teacher certification.

Prerequisites: C or better in MATH 111 or MATH 1111 or placement through Algebra version of the Mathematics Placement Test.

MATH 222 - Basic Concepts of Elementary Mathematics II (3 Credits)

Informal geometry and basic concepts of algebra. Open only to students in elementary or early childhood teacher certification.

Prerequisites: C or better in MATH 221.

MATH 241 - Vector Calculus (3 Credits)

Vector algebra, geometry of three-dimensional space; lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, max-min theory; multiple and iterated integration, line integrals, and Green's theorem in the plane.

Prerequisites: C or better in MATH 142.

MATH 242 - Elementary Differential Equations (3 Credits)

Ordinary differential equations of first order, higher order linear equations, Laplace transform methods, series methods; numerical solution of differential equations. Applications to physical sciences and engineering.

Prerequisites: C or better in MATH 142.

MATH 300 - Transition to Advanced Mathematics (3 Credits)

Rigor of mathematical thinking and proof writing via logic, sets, and functions. Intended to bridge the gap between lower-level (computational-based) and upper-level (proof-based) mathematics courses.

Prerequisites: C or better in MATH 142.

MATH 344 - Applied Linear Algebra (3 Credits)

General solutions of systems of linear equations, vector spaces and subspaces, linear transformations, determinants, orthogonality, characteristic polynomials, eigenvalues and eigenvectors, singular value decomposition, and generalized inverse. MATH 344L is an optional laboratory course where additional applications will be discussed.

Prerequisites: C or better in MATH 142.

MATH 344L - Applied Linear Algebra Lab (1 Credit)

Computer based applications of linear algebra for science and engineering students. Topics include numerical analysis of matrices, direct and indirect methods for solving linear systems, and least squares method (regression). Typical applications include practical issues related to discrete Markov processes, image compression, and linear programming. Credit not allowed for both MATH 344L and 544L.

Prerequisite or Corequisite: C or better or concurrent enrollment in MATH 344.

MATH 374 - Discrete Structures (3 Credits)

Propositional and predicate logic; proof techniques; recursion and recurrence relations; sets, combinatorics, and probability; functions, relations, and matrices; algebraic structures.

Prerequisites: C or better in both MATH 142 and CSCE 146.

MATH 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MATH 401 - Conceptual History of Mathematics (3 Credits)

Topics from the history of mathematics emphasizing the 17th century to the present. Various mathematical concepts are discussed and their development traced. For elective or Group II credit only.

Prerequisites: C or better in MATH 122, or MATH 141.

MATH 490 - Mathematics Internship (1-3 Credits)

Academic counterpart to a professional work experience in which mathematics plays a central role. Introduction to the uses of problem formulation and problem solving in a working environment. Introduction to career possibilities for a student trained in mathematics. Restricted to MATH major with 3.0 or better GPA and completion of at least 60 credits.

Prerequisites: C or better in MATH 241, MATH 300 and at least one 500 level MATH course; CSCE 145 or CSCE 206 and one of the following STAT courses STAT 509, STAT 512, STAT 515.

MATH 499 - Undergraduate Research (1-3 Credits)

Research on a specific mathematical subject area. The specific content of the research project must be outlined in a proposal that must be approved by the instructor and the Undergraduate Director. Intended for students pursuing the B.S. in Mathematics with Distinction. Pass-Fail grading only.

Graduation with Leadership Distinction: GLD: Research

MATH 511 - Probability (3 Credits)

Probability and independence; discrete and continuous random variables; joint, marginal, and conditional densities, moment generating functions; laws of large numbers; binomial, Poisson, gamma, univariate, and bivariate normal distributions.

Prerequisite or Corequisite: C or better in MATH 241.

Cross-listed course: STAT 511

MATH 514 - Financial Mathematics I (3 Credits)

Probability spaces. Random variables. Mean and variance. Geometric Brownian Motion and stock price dynamics. Interest rates and present value analysis. Pricing via arbitrage arguments. Options pricing and the Black-Scholes formula.

Prerequisites: C or better in MATH 241.

Cross-listed course: STAT 522

MATH 515 - Financial Mathematics II (3 Credits)

Convex sets. Separating Hyperplane Theorem. Fundamental Theorem of Asset Pricing. Risk and expected return. Minimum variance portfolios. Capital Asset Pricing Model. Martingales and options pricing. Optimization models and dynamic programming.

Prerequisites: C or better in MATH 514 or STAT 522.

Cross-listed course: STAT 523

MATH 520 - Ordinary Differential Equations (3 Credits)

Differential equations of the first order, linear systems of ordinary differential equations, elementary qualitative properties of nonlinear systems.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 521 - Boundary Value Problems and Partial Differential Equations (3 Credits)

Laplace transforms, two-point boundary value problems and Green's functions, boundary value problems in partial differential equations, eigenfunction expansions and separation of variables, transform methods for solving PDE's, Green's functions for PDE's, and the method of characteristics.

Prerequisites: C or better in MATH 520 or in both MATH 241 and MATH 242.

MATH 522 - Wavelets (3 Credits)

Basic principles and methods of Fourier transforms, wavelets, and multiresolution analysis; applications to differential equations, data compression, and signal and image processing; development of numerical algorithms. Computer implementation.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 523 - Mathematical Modeling of Population Biology (3 Credits)

Applications of differential and difference equations and linear algebra modeling the dynamics of populations, with emphasis on stability and oscillation. Critical analysis of current publications with computer simulation of models.

Prerequisites: C or better in MATH 142, BIOL 301, or MSCI 311 recommended.

MATH 524 - Nonlinear Optimization (3 Credits)

Descent methods, conjugate direction methods, and Quasi-Newton algorithms for unconstrained optimization; globally convergent hybrid algorithm; primal, penalty, and barrier methods for constrained optimization. Computer implementation of algorithms.

Prerequisites: C or better in MATH 241 and one of MATH 344 or MATH 544.

MATH 525 - Mathematical Game Theory (3 Credits)

Two-person zero-sum games, minimax theorem, utility theory, n-person games, market games, stability.

Prerequisites: C or better in MATH 300 and in either MATH 344 or MATH 544.

MATH 526 - Numerical Linear Algebra (4 Credits)

Matrix algebra, Gauss elimination, iterative methods; overdetermined systems and least squares; eigenvalues, eigenvectors; numerical software. Computer implementation. Credit may not be received for both MATH 526 and MATH 544. Three lectures and one laboratory hour per week.

Prerequisites: C or better in MATH 142.

MATH 527 - Numerical Analysis (3 Credits)

Interpolation and approximation of functions; solution of algebraic equations; numerical differentiation and integration; numerical solutions of ordinary differential equations and boundary value problems; computer implementation of algorithms.

Prerequisites: C or better in MATH 520 or in both MATH 242 and MATH 344.

Cross-listed course: CSCE 561

MATH 528 - Mathematical Foundation of Data Science and Machine Learning (3 Credits)

Unconstrained and constrained optimization, gradient descent methods for numerical optimization, supervised and unsupervised learning, various reduced order methods, sampling and inference, Monte Carlo methods, deep neural networks.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 531 - Foundations of Geometry (3 Credits)

The study of geometry as a logical system based upon postulates and undefined terms. The fundamental concepts and relations of Euclidean geometry developed rigorously on the basis of a set of postulates. Some topics from non-Euclidean geometry.

Prerequisites: C or better in MATH 300.

MATH 532 - Modern Geometry (3 Credits)

Projective geometry, theorem of Desargues, conics, transformation theory, affine geometry, Euclidean geometry, non-Euclidean geometries, and topology.

Prerequisites: C or better in MATH 300.

MATH 533 - Elementary Geometric Topology (3 Credits)

Topology of the line, plane, and space, Jordan curve theorem, Brouwer fixed point theorem, Euler characteristic of polyhedra, orientable and non-orientable surfaces, classification of surfaces, network topology.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 534 - Elements of General Topology (3 Credits)

Elementary properties of sets, functions, spaces, maps, separation axioms, compactness, completeness, convergence, connectedness, path connectedness, embedding and extension theorems, metric spaces, and compactification.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 540 - Modern Applied Algebra (3 Credits)

Finite structures useful in applied areas. Binary relations, Boolean algebras, applications to optimization, and realization of finite state machines.

Prerequisites: MATH 300.

MATH 541 - Algebraic Coding Theory (3 Credits)

Error-correcting codes, polynomial rings, cyclic codes, finite fields, BCH codes.

Prerequisites: C or better in MATH 300 and in either of MATH 344 or MATH 544.

MATH 544 - Linear Algebra (3 Credits)

Vectors, vector spaces, and subspaces; geometry of finite dimensional Euclidean space; linear transformations; eigenvalues and eigenvectors; diagonalization. Throughout there will be an emphasis on theoretical concepts, logic, and methods. MATH 544L is an optional laboratory course where additional applications will be discussed.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 544L - Linear Algebra Lab (1 Credit)

Computer-based applications of linear algebra for mathematics students. Topics include numerical analysis of matrices, direct and indirect methods for solving linear systems, and least squares method (regression). Typical applications include theoretical and practical issues related to discrete Markov processes, image compression, and linear programming. Credit not allowed for both MATH 344L and 544L.

Prerequisite or Corequisite: C or better or concurrent enrollment in MATH 544.

MATH 546 - Algebraic Structures I (3 Credits)

Permutation groups; abstract groups; introduction to algebraic structures through study of subgroups, quotient groups, homomorphisms, isomorphisms, direct product; decompositions; introduction to rings and fields.

Prerequisites: C or better in MATH 300 and 544.

MATH 547 - Algebraic Structures II (3 Credits)

Rings, ideals, polynomial rings, unique factorization domains; structure of finite groups; topics from: fields, field extensions, Euclidean constructions, modules over principal ideal domains (canonical forms).

Prerequisites: C or better in MATH 546.

MATH 548 - Geometry, Algebra, and Algorithms (3 Credits)

Polynomials and affine space, Grobner bases, elimination theory, varieties, and computer algebra systems.

Prerequisites: C or better in MATH 300 and in one of MATH 344 or MATH 544.

MATH 550 - Vector Analysis (3 Credits)

Vector fields, line and path integrals, orientation and parametrization of lines and surfaces, change of variables and Jacobians, oriented surface integrals, theorems of Green, Gauss, and Stokes; introduction to tensor analysis.

Prerequisites: C or better in MATH 241.

MATH 551 - Introduction to Differential Geometry (3 Credits)

Parametrized curves, regular curves and surfaces, change of parameters, tangent planes, the differential of a map, the Gauss map, first and second fundamental forms, vector fields, geodesics, and the exponential map.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 552 - Applied Complex Variables (3 Credits)

Complex integration, calculus of residues, conformal mapping, Taylor and Laurent Series expansions, applications.

Prerequisites: C or better in MATH 241.

MATH 554 - Analysis I (3 Credits)

Least upper bound axiom, the real numbers, compactness, sequences, continuity, uniform continuity, differentiation, Riemann integral and fundamental theorem of calculus.

Prerequisites: C or better in MATH 241 and two 500-level classes requiring MATH 300: MATH 525, MATH 531, MATH 532, MATH 533, MATH 534, MATH 540, MATH 541, MATH 544, MATH 546, MATH 548, MATH 551, MATH 561, MATH 570, MATH 574, MATH 575, or MATH 580.

MATH 555 - Analysis II (3 Credits)

Riemann-Stieltjes integral, infinite series, sequences and series of functions, uniform convergence, Weierstrass approximation theorem, selected topics from Fourier series or Lebesgue integration.

Prerequisites: C or better in MATH 554.

MATH 561 - Introduction to Mathematical Logic (3 Credits)

Syntax and semantics of formal languages; sentential logic, proofs in first order logic; Godel's completeness theorem; compactness theorem and applications; cardinals and ordinals; the Lowenheim-Skolem-Tarski theorem; Beth's definability theorem; effectively computable functions; Godel's incompleteness theorem; undecidable theories.

Prerequisites: C or better in MATH 300.

MATH 562 - Theory of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity.

Prerequisites: C or better in CSCE 350 or MATH 300.

Cross-listed course: CSCE 551

MATH 570 - Discrete Optimization (3 Credits)

Discrete mathematical models. Applications to such problems as resource allocation and transportation. Topics include linear programming, integer programming, network analysis, and dynamic programming.

Prerequisites: C or better in MATH 300 and in one of MATH 544 or MATH 344.

MATH 572 - Mathematical Foundation of Network Science (3 Credits)

Graphs and probability, Web graphs, random graphs, models for complex graphs, graph searching algorithms, eigenvalues, PageRank.

Prerequisites: C or better in MATH 374 and in one of MATH 344 or MATH 544.

MATH 574 - Discrete Mathematics I (3 Credits)

Mathematical models; mathematical reasoning; enumeration; induction and recursion; tree structures; networks and graphs; analysis of algorithms.

Prerequisites: C or better in MATH 300.

MATH 575 - Discrete Mathematics II (3 Credits)

A continuation of MATH 574. Inversion formulas; Polya counting; combinatorial designs; minimax theorems; probabilistic methods; Ramsey theory; other topics.

Prerequisites: C or better in MATH 574.

MATH 576 - Combinatorial Game Theory (3 Credits)

Winning in certain combinatorial games such as Nim, Hackenbush, and Domineering. Equalities and inequalities among games, Sprague-Grundy theory of impartial games, games which are numbers.

Prerequisites: C or better in MATH 300 or MATH 374.

MATH 580 - Elementary Number Theory (3 Credits)

Divisibility, primes, congruences, quadratic residues, numerical functions. Diophantine equations.

Prerequisites: C or better in MATH 300.

MATH 587 - Introduction to Cryptography (3 Credits)

Design of secret codes for secure communication, including encryption and integrity verification: ciphers, cryptographic hashing, and public key cryptosystems such as RSA. Mathematical principles underlying encryption. Code-breaking techniques. Cryptographic protocols.

Prerequisites: C or better in CSCE 145 or MATH 241, and at least one of CSCE 355, MATH 300, or MATH 374.

Cross-listed course: CSCE 557

MATH 590 - Undergraduate Seminar (1-3 Credits)

A review of literature in specific subject areas involving student presentations. Content varies and will be announced in the Master Schedule of Classes by title. For undergraduate credit only.

MATH 599 - Topics in Mathematics (1-3 Credits)

Recent developments in pure and applied mathematics selected to meet current faculty and student interest.

MATH 602 - An Inductive Approach to Geometry (3 Credits)

This course is designed for middle-level pre-service mathematics teachers. This course covers geometric reasoning, Euclidean geometry, congruence, area, volume, similarity, symmetry, vectors, and transformations. Dynamic software will be utilized to explore geometry concepts. This course cannot be used for credit toward a major in mathematics.

Prerequisites: C or better in MATH 122 or MATH 141 or equivalent.

MATH 603 - Inquiry Approach to Algebra (3 Credits)

This course introduces basic concepts in number theory and modern algebra that provide the foundation for middle level arithmetic and algebra. Topics include: algebraic reasoning, patterns, inductive reasoning, deductive reasoning, arithmetic and algebra of integers, algebraic systems, algebraic modeling, and axiomatic mathematics. This course cannot be used for credit towards a major in mathematics.

Prerequisites: C or higher in MATH 122 or MATH 141 or equivalent.

MATH 650 - AP Calculus for Teachers (3 Credits)

A thorough study of the topics to be presented in AP calculus, including limits of functions, differentiation, integration, infinite series, and applications. Not intended for degree programs in mathematics.

Prerequisites: current secondary high school teacher certification in mathematics and a C or better in at least 6 hours of calculus.

Actuarial Mathematics and Statistics Minor

Minor Requirements (18 Hours)

Prerequisites

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 241	Vector Calculus	3
Total Credit Hours		11

Core Courses

Course	Title	Credits
MATH 511	Probability	3
STAT 512	Mathematical Statistics	3
STAT 513	Theory of Statistical Inference	3

Select three of the following:

MATH 344	Applied Linear Algebra or MATH 544 Linear Algebra	3
MATH 514	Financial Mathematics I or STAT 522 Financial Mathematics I	3
MATH 515	Financial Mathematics II or STAT 523 Financial Mathematics II	3
MATH 520	Ordinary Differential Equations	3
MATH 524	Nonlinear Optimization	3
MATH 570	Discrete Optimization	3
MATH 574	Discrete Mathematics I	3
STAT 520	Forecasting and Time Series	3
STAT 521	Applied Stochastic Processes	3
STAT 587	Big Data Analytics or CSCE 587 Big Data Analytics	3

Total Credit Hours **18**

Note: Only one of MATH 344/MATH 544 may be counted for the minor.

Mathematical Biology Minor

Minor Requirements (22 Hours)

Prerequisites

Course	Title	Credits
Required Math Prerequisites: ¹		
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 241	Vector Calculus	3
Required Science Prerequisites: ²		8

Select two of the following:

BIOL 101	Biological Principles I	3
BIOL 101L	Biological Principles I Laboratory	1
BIOL 102	Biological Principles II	3
BIOL 102L	Biological Principles II Laboratory	1
MSCI 101	The Ocean Environment	3

MSCI 102	The Living Ocean	
Other Requirements:		3
Select one of the following:		
BIOL 301	Ecology and Evolution	
BIOL 303	Fundamental Genetics	
MSCI 314	Physical Oceanography	
Total Credit Hours		22

¹ Fulfills Carolina Core ARP Requirement

² Fulfills Carolina Core SCI requirement.

Biology majors must take BIOL 101, BIOL 101L, BIOL 102 and BIOL 102L. Marine Science majors must take MSCI 101 and MSCI 102.

Courses for the Minor (19 Hours)

Minor courses cannot be counted toward student's major

Linear Algebra (4 Hours)

Course	Title	Credits
Select one of the following:		
MATH 344	Applied Linear Algebra	4
MATH 344L	Applied Linear Algebra Lab	
or		
MATH 544	Linear Algebra	
MATH 544L	Linear Algebra Lab	
Total Credit Hours		4

Differential Equations (6 Hours)

Course	Title	Credits
Select two of the following:		
MATH 242	Elementary Differential Equations	6
MATH 520	Ordinary Differential Equations	
MATH 521	Boundary Value Problems and Partial Differential Equations	
Total Credit Hours		6

Additional Courses (9 Hours)

Course	Title	Credits
Select three of the following:		
MATH 520	Ordinary Differential Equations ((if not selected above))	9
MATH 521	Boundary Value Problems and Partial Differential Equations ((if not selected above))	
BIOL 552	Population Genetics	
or MSCI 552	Population Genetics	
BIOL 652	Evolutionary Biology	
BMEN 212	Fundamentals of Biomedical Systems	
BMEN 240	Cellular and Molecular Biology with Engineering Applications	
BMEN 263	Introduction to Biomechanics	
BMEN 290	Thermodynamics of Biomolecular Systems	
BMEN 391	Kinetics in Biomolecular Systems	
MATH 523	Mathematical Modeling of Population Biology	
MSCI 582	Marine Hydrodynamics	
Total Credit Hours		9

Mathematics Minor

Minor Requirements

Prerequisite Courses (8 Hours)

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
Total Credit Hours		8

Requirements

Course	Title	Credits
Required Course		
MATH 241	Vector Calculus	3
Additional Courses		
Select 15 hours from the following: ¹		15
MATH 242	Elementary Differential Equations	
MATH 300	Transition to Advanced Mathematics	
MATH 344	Applied Linear Algebra	
MATH 374	Discrete Structures	
MATH courses at the 500-level		
Total Credit Hours		18

¹ At least 6 hours must be at the 500-level.

Note

- All courses for a minor must be completed with a C or better.
- At most one of MATH 374 and MATH 574 may be used for minor credit.
- At most one of MATH 344, MATH 526, and MATH 544 may be used for minor credit.
- Most of the math courses at the 500-level have a prerequisite of MATH 300 and/or MATH 344 (or MATH 544, which implicitly assumes completion of 300). Students are therefore strongly urged to include one or both of MATH 300, MATH 344 in their minor program.
- Students with an interest in pure mathematics (algebra, analysis, discrete mathematics, geometry and topology, logic, mathematics education, and number theory) should take MATH 300.
- Students with an interest in applied and computational mathematics (differential equations and modeling, financial mathematics, numerical analysis, optimization) should take MATH 344.
- Prospective minors are urged to consult with an advisor in the Department of Mathematics to plan a coherent program of study.

Mathematics, B.S.

Graduates with a BS in Mathematics will, if they wish to pursue studies at the graduate level, be prepared with the necessary analytical skills, openness to new ideas, and positive attitudes (patience, persistence, and enthusiasm) for success. Those going on to employment will have the analytical skills that they need, an ability to learn new ones, and habits of mind that are conducive to productive and rewarding work. Graduates will be aware that mathematics is often a collaborative activity, and that careful reading and clear writing are as important as computational skills. They will know that mathematics is continually growing as research

answers old questions and brings forth new ones. Finally, they will find joy in learning, doing, and communicating mathematics to others.

Learning Outcomes

- Graduates with a B.S. in Mathematics will demonstrate understanding of logic, set theory, functions, and fundamental methods of mathematical proof.
- Graduates with a B.S. in Mathematics will demonstrate mastery of the fundamental theoretical concepts of linear algebra.
- Graduates with a B.S. in Mathematics will be able to solve problems in linear algebra using standard computational algorithms.
- Graduates with a B.S. in Mathematics will demonstrate mastery of the fundamental concepts and methods of proof in abstract algebra.
- Graduates with a B.S. in Mathematics will demonstrate mastery of the fundamental concepts and methods of proof in real analysis.
- Graduates with a B.S. in Mathematics will, if they wish to pursue studies at the graduate level, be prepared with the necessary analytical skills, openness to new ideas, and positive attitudes (patience, persistence, and enthusiasm) for success. Those going on to employment will have the analytical skills that they need, an ability to learn new ones, and habits of mind that are conducive to productive and rewarding work. Graduates will be aware that mathematics is often a collaborative activity, and that careful reading and clear writing are as important as computational skills. They will know that mathematics is continually growing as research answers old questions and brings forth new ones. Finally, they will find joy in learning, doing, and communicating mathematics to others.

Transfer Requirement

In addition to the minimum University and College of Arts and Sciences requirements, a student seeking to transfer to the mathematics major from another program within the University, or from another accredited college or university, is required to have earned a grade of “B” or higher in at least one of the following courses, or their UofSC equivalent:

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 241	Vector Calculus	3
MATH 300	Transition to Advanced Mathematics	3

Retention and Other Details

- A grade of C or better is required in each MATH course.
- A student may enroll in each MATH course a maximum of two times. (Enrolled in a course is interpreted to mean that a grade, including W or WF, has been recorded.)
- A student may repeat a maximum of three MATH courses. (Receiving a grade of W is not to be considered a repeat.)

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of

Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-19
3. Program Requirements	31-47
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-19 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6-7 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
CSCE 145	Algorithmic Design I (*)	4
or CSCE 206	Scientific Applications Programming	
Select one of the following:		3
STAT 509	Statistics for Engineers (*)	

STAT 512	Mathematical Statistics (*)
STAT 515	Statistical Methods I (*)

Total Credit Hours 7

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (31-47 hours)

Supporting Courses (6 hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
MATH 241	Vector Calculus (*)	3
MATH 300	Transition to Advanced Mathematics (*)	3

Total Credit Hours 6

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective

courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (7-29 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (9 hours)

Course	Title	Credits
MATH 544	Linear Algebra	3
MATH 546	Algebraic Structures I	3
MATH 554	Analysis I	3
Total Credit Hours		9

Major Electives (15 hours)

At least **one** course from the following:

Course	Title	Credits
MATH 511	Probability	3
MATH 520	Ordinary Differential Equations	3
MATH 534	Elements of General Topology	3
MATH 550	Vector Analysis	3
MATH 552	Applied Complex Variables	3

At least 12 hours of MATH electives numbered 500-599. The choice of the four MATH electives should be made to support the student's educational goals and career objectives. The courses listed below are available for MATH elective credit. (As MATH 544, MATH 546, and MATH 554 are required of all majors, these are not listed.) Undergraduate students

interested in taking 700-level MATH courses as elective credit should consult the Graduate Bulletin.

Course	Title	Credits
Algebra		
MATH 540	Modern Applied Algebra	3
MATH 541	Algebraic Coding Theory	3
MATH 547	Algebraic Structures II	3
MATH 548	Geometry, Algebra, and Algorithms	3
Analysis		
MATH 511	Probability	3
MATH 550	Vector Analysis	3
MATH 551	Introduction to Differential Geometry	3
MATH 552	Applied Complex Variables	3
MATH 555	Analysis II	3
Differential Equations and Modeling		
MATH 520	Ordinary Differential Equations	3
MATH 521	Boundary Value Problems and Partial Differential Equations	3
MATH 522	Wavelets	3
MATH 523	Mathematical Modeling of Population Biology	3
Discrete Mathematics		
MATH 541	Algebraic Coding Theory	3
MATH 570	Discrete Optimization	3
MATH 574	Discrete Mathematics I	3
MATH 575	Discrete Mathematics II	3
MATH 576	Combinatorial Game Theory	3
MATH 587	Introduction to Cryptography	3
Financial Mathematics and Probability		
MATH 511	Probability	3
MATH 514	Financial Mathematics I	3
MATH 515	Financial Mathematics II	3
MATH 525	Mathematical Game Theory	3
Geometry		
MATH 531	Foundations of Geometry	3
MATH 532	Modern Geometry	3
MATH 533	Elementary Geometric Topology	3
MATH 534	Elements of General Topology	3
MATH 551	Introduction to Differential Geometry	3
Mathematic Logic		
MATH 561	Introduction to Mathematical Logic	3
MATH 562	Theory of Computation	3
Number Theory		
MATH 580	Elementary Number Theory	3
MATH 587	Introduction to Cryptography	3
Optimization and Computation		
MATH 524	Nonlinear Optimization	3
MATH 527	Numerical Analysis	3
MATH 570	Discrete Optimization	3
Special Topics		
MATH 599	Topics in Mathematics	1-3

Guidelines for Selecting 500-level MATH Electives For Students Considering Graduate Studies in Mathematics

Complete at least one of the two-semester sequences in algebra or analysis:

Course	Title	Credits
MATH 546 & 547	Algebraic Structures I and Algebraic Structures II	6
MATH 554 & 555	Analysis I and Analysis II	6

Note: Completing both two-semester sequences provides the strongest foundation for graduate study in mathematics. Students completing this combination of courses are well on their way towards completing the B.S. with Distinction in Mathematics.

For Students Considering Careers Teaching at the Secondary Level (Grades 9-12)

Complete the following sequence of courses:

Course	Title	Credits
MATH 531 or MATH 532	Foundations of Geometry Modern Geometry	3
MATH 574	Discrete Mathematics I	3
MATH 580	Elementary Number Theory	3
As a cognate:		
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDSE 500	Equity and Community Engagement	3
EDSE 502	Teachers and Teaching	3
Total Credit Hours		21

Note: With two additional Education courses, students complete a minor in Education. This selection of MATH electives and of the education cognate positions students to complete, after completing a B.S. in Mathematics, a one-year graduate Master of Teaching degree from the College of Education and apply for grades 9-12 mathematics licensure in South Carolina.

For Students Considering Careers in Actuarial Science

Declare a Risk Management and Insurance Minor (p. 316) and complete their MATH electives from the following:

Course	Title	Credits
MATH 511	Probability	3
MATH 520	Ordinary Differential Equations	3
MATH 574	Discrete Mathematics I	3
MATH 524 or MATH 570	Nonlinear Optimization Discrete Optimization	3
Total Credit Hours		12

Note: Risk Management and Insurance Minor (p. 316) is completed by taking ACCT 225, ECON 221 and ECON 222, and FINA 363, FINA 469, FINA 471, and FINA 475.

To develop a strong basis for success in the initial actuarial examinations (Exam P and Exam FM), and to qualify for the Society of Actuaries' Validation through Educational Experience (VEE) in Applied Statistics, Economics, and Corporate Finance, students should complete the following collection of 30 semester hours in the Department of Statistics

and the Darla Moore School of Business. For detailed information about the VEE program, see <http://soa.org>.

Course	Title	Credits
Mathematical Statistics and Statistical Models		
STAT 512	Mathematical Statistics	3
STAT 513	Theory of Statistical Inference	3
ECON 436	Introductory Econometrics	3
Economics and Corporate Finance		
ACCT 225	Introduction to Financial Accounting	3
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
Risk Management and Insurance		
FINA 341	Management of Risk and Insurance	3
Finance and Stochastic Processes		
Select 3-6 hours of the following:		3-6
FINA 469	Investment Analysis and Portfolio Management	
FINA 471	Derivative Securities	
FINA 475	Fixed Income Securities	
STAT 521	Applied Stochastic Processes	
Computing		
Select three hours of the following:		3
CSCE 146	Algorithmic Design II	
MGSC 390	Business Information Systems	
STAT 540	Computing in Statistics	
Total Credit Hours		30-33

For Students Considering Careers in Applied Mathematics or Mathematical Careers in the Public or Private Sector

Complete MATH 520 and other courses in Differential Equations and Modeling, in Discrete Mathematics, in Financial Mathematics, and in Optimization and Computation, including 9 credit hours from two of the following categories:

Course	Title	Credits
Differential Equations and Modeling		
MATH 521	Boundary Value Problems and Partial Differential Equations	3
MATH 522	Wavelets	3
MATH 523	Mathematical Modeling of Population Biology	3
Discrete Mathematics		
MATH 541	Algebraic Coding Theory	3
MATH 548	Geometry, Algebra, and Algorithms	3
MATH 570	Discrete Optimization	3
MATH 574	Discrete Mathematics I	3
MATH 575	Discrete Mathematics II	3
MATH 576	Combinatorial Game Theory	3
MATH 587	Introduction to Cryptography	3
Financial Mathematics and Probability		
MATH 511	Probability	3
MATH 514	Financial Mathematics I	3
MATH 515	Financial Mathematics II	3
Optimization and Computation		
MATH 524	Nonlinear Optimization	3

MATH 527	Numerical Analysis	3
MATH 544L	Linear Algebra Lab	1
MATH 570	Discrete Optimization	3
Analysis		
MATH 550	Vector Analysis	3
MATH 552	Applied Complex Variables	3
MATH 555	Analysis II	3

B.S. with Distinction in Mathematics (39 hours)

Prerequisite

A minimum GPA of 3.60 in upper division (500 and above) major courses, and 3.30 cumulative when the student applies to enter the B.S. with Distinction in Mathematics.

Requirements

The student should apply to enter the B.S. with Distinction in Mathematics track and choose the members of the thesis committee as early as possible, but in all cases at least one year before completion of the degree. The committee will consist of a thesis advisor, who must be a tenure-track faculty member in Mathematics, and one or two other tenure-track or research faculty members in Mathematics or any other department, as approved by the Undergraduate Program Committee. The senior thesis consists of either significant original work or a synthesis of known material beyond the scope of ordinary undergraduate coursework. The student may use their senior thesis to simultaneously fulfill other requirements as well (e.g., Magellan Scholarship, Honors College Thesis, etc.), at the discretion of the thesis advisor.

By the end of the semester in which the student is admitted into the B.S. with Distinction in Mathematics track, a brief research plan must be agreed upon by the thesis committee and the student, and filed in the Department of Mathematics and College of Arts and Sciences. Before submitting and defending the thesis, the student must have completed three credit hours of MATH 499 under the supervision of the thesis advisor, and at least 12 hours of upper-level (500-599) MATH credit approved by the Undergraduate Director beyond the 24 credit hours of 500-level MATH courses required for the B.S. in Mathematics.

By the end of the student's last semester, the student must present and defend the senior thesis before the thesis committee. The defense must be announced at least one week in advance and be open to the general public. A certificate attesting to a successful defense, signed by the committee, must be placed on file with both the Department of Mathematics and the College of Arts and Sciences. In addition, prior to graduation the student must have either (a) presented the research at a meeting of a professional society, at Discovery Day at USC, or at a comparable venue; or (b) submitted the work for publication in an undergraduate or professional journal.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Mathematics, B.S.

Philosophy

Department Website (<http://www.cas.sc.edu/phil/>)

Christopher Tollefsen, *Chair*

The Department of Philosophy offers the Bachelor of Arts degree program with a major in philosophy.

Programs

- Philosophy Minor (p. 161)
- Philosophy, B.A. (p. 161)

Courses

PHIL 101 - Special Topics in Philosophy (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes by title.

PHIL 102 - Introduction to Philosophy (3 Credits)

An introduction to the main problems of philosophy and its methods of inquiry, analysis, and criticism. Works of important philosophers will be read. Honors section offered.

PHIL 103 - Special Topics in Ethics and Values (3 Credits)

A study of the moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty, and obligation, as they relate to specific issues or areas of life. May be repeated as content varies by title.

Carolina Core: VSR

PHIL 111 - Introduction to Logic II (3 Credits)

Philosophical foundations of inductive inference, including probability, statistics, and decision theory; application of the methods and results of inductive inference to philosophical problems such as the problem of rationality, epistemology, theory confirmation, social and political philosophy.

Prerequisites: At least one of the following: PSYC 227; SOCY 220; STAT 110, STAT 112, STAT 201, STAT 205, or STAT 206; MGSC 291.

Carolina Core: ARP

PHIL 114 - Introduction to Formal Logic I (3 Credits)

Formal logic, including foundational logical concepts, syntax and semantics of first-order logic; derivations; applications.

Carolina Core: ARP

PHIL 115 - Introduction to Formal Logic II (3 Credits)

Intermediate topics in predicate logic, including second-order predicate logic; meta-theory, including soundness and completeness; introduction to non-classical logic

Prerequisites: C or higher in PHIL114 or PHIL 110, or a department-approved equivalent.

Carolina Core: ARP

PHIL 210 - Philosophical Themes in Literature (3 Credits)

Selected philosophical problems as they are presented in imaginative and theoretical literature. Works of fiction and philosophical treatments of issues involved in them will be read and discussed.

PHIL 211 - Contemporary Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society. Topics will vary but may include discussion of problems related to abortion, drugs, euthanasia, war, social engineering, and punishment of criminals.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 212 - Images of the Human Person (3 Credits)

Images of the human person in contemporary philosophy, literature, psychology, and religion, and an evaluation of these images as norms for human conduct and social policy. Particular attention may be given to images found in specific philosophical traditions, including existentialism, Marxism, behaviorism, and mysticism.

PHIL 213 - Communicating Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society and the challenges of communicating effectively about them. Topics will vary but may include access to health care, euthanasia, abortion, same sex marriage and the moral and environmental consequences of eating animals.

Cross-listed course: SPCH 213

Carolina Core: CMS, VSR

PHIL 214 - Science and Pseudo-Science (3 Credits)

Attempts to distinguish science from pseudo-science; inquiry into such cases as astrology, psychoanalysis, and parapsychology.

Graduation with Leadership Distinction: GLD: Research

PHIL 301 - Ancient Philosophy (3 Credits)

An introduction to the work of ancient philosophers, with special emphasis on Plato and Aristotle.

Cross-listed course: CLAS 301

PHIL 302 - Greek and Roman Philosophy after Aristotle (3 Credits)

Problems such as hedonism, providence, belief and evidence, and mysticism, as they appear in the writings of Epicureans, Stoics, Sceptics, and Plotinus.

Cross-listed course: CLAS 302

PHIL 303 - History of Medieval Philosophy (3 Credits)

Major philosophical traditions in the Middle Ages.

PHIL 304 - Seventeenth and Eighteenth-Century Philosophy (3 Credits)

An introduction to Continental and British philosophy running roughly from Descartes through Kant.

PHIL 305 - Nineteenth and Twentieth-Century Philosophy (3 Credits)

An introduction to Continental and British philosophy since Kant through study of the works of representative philosophers. Particular emphasis is placed on the development of Idealism, Marxism, Existentialism and Phenomenology, and analytic philosophy.

PHIL 310 - American Philosophy (3 Credits)

The principal movements of philosophical thought from Colonial times to the present, with special emphasis on the 19th and 20th centuries.

PHIL 311 - Existentialism (3 Credits)

An introduction to existentialist themes in contemporary philosophy, literature, psychology, and religion. The writings of existentialists such as Kierkegaard, Nietzsche, Camus, Sartre, Buber, May, and Binswanger will be read and discussed.

PHIL 312 - Classical Origins of Western Medical Ethics (3 Credits)

Examination of ancient Greek and Roman philosophical, medical, and literary works (in English) as sources for the origins of medical ethics. Priority enrollment for Medical Humanities students.

Cross-listed course: CLAS 360

PHIL 313 - Between Magic and Method: Ancient Medicine (3 Credits)

Introduction to ancient medicine: science and art, theory and practice, healing and predicting. Topics include: Medicine before Hippocrates, Hippocratic medicine, holism, naturalism, medicine, religion and magic, medicine and scientific explanation, Hellenistic medicine and methodology, Galenic medicine.

Cross-listed course: CLAS 361

PHIL 315 - Asian Religious Philosophy (3 Credits)

A historical overview and critical introduction to the philosophical practices of Asian religions; an examination of the basic worldviews, thought frameworks, and foundational questions of the main schools of premodern Asian religious philosophy.

Cross-listed course: RELG 334

PHIL 320 - Ethics (3 Credits)

A study of the moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty, and obligation. The ethical works of influential philosophers are analyzed in terms of these concepts.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 321 - Medical Ethics (3 Credits)

The concepts of Person and Justice as they relate to biomedical sciences and technologies.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 322 - Environmental Ethics (3 Credits)

Examination of principles and arguments surrounding moral issues involving the environment.

Cross-listed course: ENVR 322

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

PHIL 323 - Ethics of Science and Technology (3 Credits)

Role of ethical judgments in directing or curtailing scientific research; case studies from natural and social sciences.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 324 - Business Ethics (3 Credits)

Ethical problems in business; application to business situations of philosophical theories of individual, corporate, and governmental rights and responsibilities.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 325 - Engineering Ethics (3 Credits)

An investigation of ethical issues in engineering and engineering-related technology. Topics include whistleblowing, employee/employer relations, environmental issues, issues related to advances in information technology, and privacy.

Carolina Core: CMS, VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 329 - Law and Religion (3 Credits)

An examination and critical assessment of the philosophical concepts, issues, and questions surrounding the relationship of church and state.

PHIL 330 - Social and Political Philosophy (3 Credits)

An overview of major themes in political philosophy such as the nature of politics, obligation, community, representation, freedom, equality, and justice.

Cross-listed course: POLI 300

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 331 - Crime and Justice (3 Credits)

The fundamental concepts of a criminal justice system and their philosophical bases. Rights, privacy, responsibility, and the problem of justification of state control of private behavior through punishment and therapy.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PHIL 332 - Philosophy of Education (3 Credits)

A critical examination of the theories of education of such philosophers as Plato, Rousseau, Dewey, Newman, and Whitehead. Emphasis is on the development of a philosophy of higher education.

PHIL 333 - Contemporary Marxism and Society (3 Credits)

Recent Marxist-inspired critics of politics, science, technology, art, advertising, and other aspects of cultural life, with comparison both to Marx's philosophical and economic writings and to other types of contemporary criticisms.

PHIL 334 - Feminist Philosophy (3 Credits)

Introduces feminist philosophy and applications to philosophical problems.

Cross-listed course: WGST 334

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 335 - Disobedience, Dissent, and Revolution (3 Credits)

This course explores central philosophical issues related to resisting and opposing claimed state authority. Focus will be on classic and modern texts regarding the intentional, ethically-, or politically-motivated violation of law and on the justification of revolution.

Carolina Core: VSR

PHIL 340 - Philosophy of Art (3 Credits)

Philosophical problems relating to the arts, with emphasis on questions pertaining to aesthetic experience.

PHIL 341 - Philosophy and Film (3 Credits)

Selected philosophical problems as they are presented in feature and documentary films.

PHIL 350 - Knowledge and Reality (3 Credits)

Examination of skeptical attacks, critical defenses, and philosophical theories of what we know and what is to be taken as ultimate reality.

PHIL 351 - Mind and Nature (3 Credits)

Philosophical theories about the nature of consciousness, the problem of qualia, phenomenal concepts, the explanatory gap hypothesis, higher-order consciousness, prospects for naturalistic accounts of consciousness.

PHIL 352 - Freedom and Human Action (3 Credits)

The principal movements of philosophical thought from Colonial times to the present, with special emphasis on the 19th and 20th centuries.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PHIL 360 - History and Philosophy of Science (3 Credits)

Philosophy and history of science and their interaction from ancient Greece to the present. Emphasis on physics, astronomy, and chemistry.

PHIL 362 - Philosophy of Research Design in Science and Medicine (3 Credits)

A philosophical investigation of research methods used in science and medicine from systematic reviewing and randomized controlled trials to theories of sampling and causal inference.

PHIL 365 - Formal Theories of Rationality and Their Philosophical Implications (3 Credits)

Formal theories of rationality in the context of decision-making and games; uses of these formal theories to address traditional philosophical issues such as rationality, knowledge, choice, social welfare, cooperation, and communication.

Prerequisites: C or higher in any course that satisfies the ARP Carolina Core requirement.

PHIL 370 - Special Topics in Philosophy (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes by title.

PHIL 390 - Junior Seminar in Philosophy (3 Credits)

Overview of philosophical theories and debates with attention to skills in discussion and presentation and in preparing and writing a research paper in philosophy. Topics selected by the instructor.

Graduation with Leadership Distinction: GLD: Research

PHIL 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PHIL 490 - Senior Seminar in Philosophy (3 Credits)

Review of central topics in philosophy serving as a capstone course for senior majors in philosophy.

Graduation with Leadership Distinction: GLD: Research
Experiential Learning: Experiential Learning Opportunity

PHIL 495 - Senior Thesis (3 Credits)

Directed research resulting in a written thesis. Senior philosophy major or double major, GPA of 3.30, permission of faculty member.

Graduation with Leadership Distinction: GLD: Research

PHIL 501 - British Empiricism (3 Credits)

A historical and critical survey of the British philosophers of experience. Principal concentration is on Locke, Berkeley, and Hume.

Prerequisites: C or better in PHIL 304.

PHIL 502 - Continental Rationalism (3 Credits)

A critical and historical study of the 17th-century European philosophers. The works of Descartes, Spinoza, and Leibniz are emphasized.

Prerequisites: C or better in PHIL 304.

PHIL 503 - Analytic Philosophy (3 Credits)

A critical study of recent and contemporary works in philosophical analysis, and an evaluation of the purposes, methods, and results of this movement.

Prerequisites: C or better on 3 hours in philosophy beyond the 100 level.

PHIL 504 - Phenomenology and Existentialism (3 Credits)

A critical study of some fundamental themes in phenomenology and the philosophy of existence. Emphasis is placed on an intensive study of selected works of such writers as Kierkegaard, Jaspers, Husserl, and Heidegger.

Prerequisites: C or better in PHIL 304 or PHIL 305.

PHIL 505 - Plato (3 Credits)

An intensive study of selected Dialogues by Plato.

Prerequisites: C or better in PHIL 301.

PHIL 506 - Aristotle (3 Credits)

An intensive study of some of the more important of Aristotle's works.

Prerequisites: C or better in PHIL 301.

PHIL 507 - Medieval Philosophy (3 Credits)

A historical and critical study of the works of the leading medieval philosophers.

Prerequisites: C or better in PHIL 303.

PHIL 508 - Hume (3 Credits)

An intensive study of the philosophical writings of Hume, especially A Treatise of Human Nature.

Prerequisites: C or better in PHIL 304.

PHIL 509 - Kant (3 Credits)

An intensive study of the work of Kant, especially the Critique of Pure Reason.

Prerequisites: C or better in PHIL 304.

PHIL 510 - Theory of Knowledge (3 Credits)

An examination of some representative theories of truth, meaning, probability, and perception.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 511 - Symbolic Logic (3 Credits)

A presentation and philosophical examination of the fundamentals of modern symbolic logic.

Prerequisites: C or better in PHIL 115.

PHIL 512 - Philosophy of Science (3 Credits)

A critical examination of methods and concepts of the sciences. Topics include scientific revolutions, the unity of science, experimentation, explanation, and evidence.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 513 - Philosophy of History (3 Credits)

A philosophical examination of historical inquiry. Theories of historical development. The logical problems of historical explanation.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 514 - Ethical Theory (3 Credits)

Survey of recent and historical developments in ethical theory with special emphasis on the meaning of ethical language and the forms of reasoning employed in discussing moral values.

Prerequisites: C or better in PHIL 320.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 515 - Philosophy of Religion (3 Credits)

A critical study of selected problems in the philosophy of religion. Emphasis is placed on problems relating to the existence of God, religious knowledge, and the language of religion.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 516 - Advanced Aesthetics (3 Credits)

Detailed examination of the literature on aesthetics.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 517 - Philosophy of Language (3 Credits)

An examination of concepts and problems such as meaning, reference, analyticity, definition, and the relation between logic and philosophy.

Prerequisites: C or higher in PHIL 114 or PHIL 511.

Cross-listed course: LING 565

PHIL 518 - Philosophy of the Social Sciences (3 Credits)

The goals of inquiry and problems such as objectivity, reduction, value freedom, and ideology.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 519 - Metaphysics (3 Credits)

Major issues in classical and modern metaphysics. Topics include the idea of first philosophy, being, substance, the problem of universals, essentialism, causation, time and space, and metaphysical method.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 520 - Philosophy of Mind (3 Credits)

The concept of mind, the mind-body problem, emotions and cognition, the possibility of artificial minds, theories of embodied cognition.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 521 - Mathematical Logic (3 Credits)

Axiomatic development of logic and the set-theoretic foundations of mathematics.

Prerequisites: C or better in PHIL 511.

PHIL 522 - Introduction to Semantics and Pragmatics (3 Credits)

Introduction to the study of linguistic meaning, including the following topics: meaning, reference, and truth; the connections among language, thought, and reality; word meaning and sentence meaning; possible worlds and modality; thematic roles; meaning and context; presupposition and implicature; speech acts; formal semantics; and cognitive semantics.

Prerequisites: C or better in any of LING 300, LING 301, LING 600, PHIL 114, PHIL 511.

Cross-listed course: LING 627

PHIL 523 - Advanced Topics in Logic (3 Credits)

Philosophical problems about logic, the development of philosophical logics, and the problems surrounding them.

Prerequisites: C or better in PHIL 511.

PHIL 524 - Philosophy of Biology (3 Credits)

Examination of major conceptual, theoretical, and methodological issues in biological science. Topics include reductionism, units of selection, adaptationism, relations between evolutionary and developmental biology and between biology and society.

Prerequisites: C or better in 3 hours of Philosophy beyond the 100 level.

PHIL 526 - Hellenistic Philosophy (3 Credits)

Survey of the major schools and trends in Hellenistic philosophy: Epicureans, Stoics, Academic Skeptics. Topics include eudaimonism, hedonism, monism, teleology, and the criterion of truth.

Prerequisites: C or better in PHIL 301 or PHIL 302.

PHIL 527 - Virtues, Acts, and Consequences (3 Credits)

Recent contributions to three central strands of ethical theory: virtue theory, deontology, and utilitarianism; historical roots and recent developments.

Prerequisites: C or better in PHIL 320.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 528 - Concepts of Evidence (3 Credits)

Systematic approaches to data analysis—Bayesian, Fisherian and decision theoretic—will be critically appraised. Applications of these theories to some problems of inductive logic: the paradoxes of confirmation, the role of simplicity, and the probability of inductive generalizations.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 531 - Jurisprudence (3 Credits)

An examination of a number of philosophical problems about the law: the nature and function of rules, the difference between legal rules and other rules, the nature of reasoning from legal rules, the concept of a legal system, and the relation of law and morals.

Prerequisites: C or better in PHIL 320 or PHIL 330.

PHIL 532 - Social Justice (3 Credits)

Recent theories of distributive justice and their application to such issues as redistribution of wealth, reverse discrimination, and the conflict between liberty and equality. Authors include Rawls, Nozick, Hayek, and Popper.

Prerequisites: C or better in PHIL 320 or PHIL 321 or PHIL 322 or PHIL 330 or PHIL 331.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Global Learning

PHIL 534 - Contemporary European Social Philosophy (3 Credits)

An examination of European social philosophy associated with either the Frankfurt School of Social Research or contemporary French Poststructuralism.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 535 - Ecofeminism (3 Credits)

An exploration of the connections between oppression of women and oppression of nature.

Prerequisites: 3 hours in philosophy beyond the 100 level.

Cross-listed course: WGST 535

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 536 - Language and Interpretation in Contemporary European Philosophy (3 Credits)

Selected contemporary European philosophical movements, their views on language, and their approach to interpretation: hermeneutics, structuralism, poststructuralism.

Prerequisites: C or better in PHIL 114.

PHIL 540 - Renaissance Philosophy (3 Credits)

Humanism (e.g., Petrarca), Platonism (e.g., Pico and Ficino), Aristotelianism (e.g., Pomponazzi), philosophies of nature (e.g., Telesio, Campanella, and Bruno), and Nicholas of Cusa, Erasmus, Montaigne, and Suarez.

Prerequisites: C or better in PHIL 301 or PHIL 302 or PHIL 303.

PHIL 550 - Health Care Ethics (3 Credits)

An exploration of the ethical dimensions of patient care in the clinical setting.

Prerequisites: C or better in PHIL 320 or PHIL 321 or PHIL 322 or PHIL 330 or PHIL 331.

PHIL 598 - Readings in Philosophy (3 Credits)

Prerequisite: 6 hours in philosophy beyond the 100 level.

Philosophy Minor

Minor Requirements (18 hours)

Prerequisite Course (3 Hours)

Course	Title	Credits
PHIL 114	Introduction to Formal Logic I	3
Total Credit Hours		3

Required Courses (18 Hours)

Eighteen hours of courses in Philosophy at the 200-level or above.

Note: The content of each minor should reflect the student's interests and career aspirations. It should be determined through consultation between the student and the student's academic advisor.

Philosophy, B.A.

Learning Outcomes

- Students will demonstrate knowledge of the history and most important disciplines of philosophy.
- Students will read philosophical texts knowledgeably and critically.
- Students will recognize philosophical questions and grasp philosophical arguments.
- Students will engage in philosophical discussion and will be capable of presenting philosophical ideas in class.
- Students will write philosophical papers that require research, interpretation and argument.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.

- Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	34-49
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- PHIL 114*
- Any CC-ARP course (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that

course. **The foreign languages recommended for students majoring in philosophy are French, German, Greek, and Latin.**

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows

the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 13-34 hours of electives will be needed to reach hours to graduate and Program Requirements will range from 31-46 hours, if completing the B.A. with Distinction in Philosophy.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (15 hours)

Course	Title	Credits
PHIL 390	Junior Seminar in Philosophy	3
PHIL 490	Senior Seminar in Philosophy	3
Select one course from each of the following groups:		9
Ancient Philosophy:		
PHIL 301	Ancient Philosophy	
PHIL 302	Greek and Roman Philosophy after Aristotle	
PHIL 303	History of Medieval Philosophy	
PHIL 312	Classical Origins of Western Medical Ethics	
PHIL 313	Between Magic and Method: Ancient Medicine	
Modern Philosophy:		
PHIL 304	Seventeenth and Eighteenth-Century Philosophy	
PHIL 305	Nineteenth and Twentieth-Century Philosophy	
PHIL 310	American Philosophy	
PHIL 311	Existentialism	
Field of Philosophy:		
PHIL 310	American Philosophy	
PHIL 311	Existentialism	
PHIL 312	Classical Origins of Western Medical Ethics	
PHIL 313	Between Magic and Method: Ancient Medicine	
PHIL 320	Ethics	
PHIL 321	Medical Ethics	
PHIL 322	Environmental Ethics	
PHIL 323	Ethics of Science and Technology	
PHIL 324	Business Ethics	
PHIL 325	Engineering Ethics	
PHIL 330	Social and Political Philosophy	
PHIL 331	Crime and Justice	
PHIL 332	Philosophy of Education	
PHIL 333	Contemporary Marxism and Society	
PHIL 334	Feminist Philosophy	
PHIL 340	Philosophy of Art	
PHIL 341	Philosophy and Film	
PHIL 350	Knowledge and Reality	
PHIL 351	Mind and Nature	
PHIL 360	History and Philosophy of Science	
PHIL 370	Special Topics in Philosophy	
PHIL 390	Junior Seminar in Philosophy	

Total Credit Hours

15

Major Electives (9 hours)

- Two courses in Philosophy at the 500-level
- One course in Philosophy numbered 201 or above

Notes: Students majoring in philosophy are encouraged to take PHIL 390 during the junior year, or before the final 30 hours of study.

If PHIL 390 is used to satisfy both the Junior Seminar in Philosophy and Field of Philosophy requirements, then the student must take an additional course numbered 201 or above in order to reach the required 24 hours for the major.

Major Concentration in Society, Ethics, and Law (24 hours) *optional*

Students may choose to complete a concentration in Society, Ethics, and Law instead of the general Philosophy major requirements.

Course	Title	Credits
PHIL 390	Junior Seminar in Philosophy	3
PHIL 490	Senior Seminar in Philosophy	3
Select one course from each of the following groups:		9
Ancient Philosophy		
PHIL 301	Ancient Philosophy	
PHIL 302	Greek and Roman Philosophy after Aristotle	
PHIL 303	History of Medieval Philosophy	
PHIL 312	Classical Origins of Western Medical Ethics	
PHIL 313	Between Magic and Method: Ancient Medicine	
Modern Philosophy		
PHIL 304	Seventeenth and Eighteenth-Century Philosophy	
PHIL 305	Nineteenth and Twentieth-Century Philosophy	
PHIL 310	American Philosophy	
PHIL 311	Existentialism	
Ethics		
PHIL 103	Special Topics in Ethics and Values	
PHIL 211	Contemporary Moral Issues	
PHIL 213	Communicating Moral Issues	
PHIL 320	Ethics	
PHIL 321	Medical Ethics	
PHIL 322	Environmental Ethics	
PHIL 323	Ethics of Science and Technology	
PHIL 324	Business Ethics	
PHIL 325	Engineering Ethics	
PHIL 514	Ethical Theory	
PHIL 527	Virtues, Acts, and Consequences	
Select two Social, Political, or Legal philosophy courses:		6
PHIL 329	Law and Religion	
PHIL 330	Social and Political Philosophy	
PHIL 331	Crime and Justice	
PHIL 334	Feminist Philosophy	
PHIL 335	Disobedience, Dissent, and Revolution	
PHIL 370	Special Topics in Philosophy ¹	
PHIL 390	Junior Seminar in Philosophy ¹	
PHIL 531	Jurisprudence	
PHIL 532	Social Justice	

Select one course in Philosophy numbered 201 or above	3
Total Credit Hours	24

Notes: Students concentrating in Society, Ethics, and Law must take at least two courses in Philosophy numbered 501 or above.

¹ The Undergraduate Committee of the Philosophy Department, in consultation with the faculty member teaching the class, will determine whether PHIL 370 Special Topics and PHIL 390 Junior Seminar courses can be used to satisfy concentration requirements.

B.A. with Distinction (27 hours)

The Departmental Undergraduate Research Track is available to students majoring in philosophy who wish to participate in significant research activities in collaboration with, or under the supervision of, a faculty mentor.

In addition to the General Major Requirements, students must complete the following:

- PHIL 495
- A minimum GPA of 3.50 in the major
- A minimum cumulative GPA of 3.30
- A public presentation of the Senior Thesis in one of the following venues:
 - Annual Meeting of the South Carolina Society for Philosophy (or another appropriate meeting)
 - A regular or special session of the Philosophy Department Colloquium Series
 - USC Discovery Day
 - Submission to an undergraduate or a professional journal
- A written sponsorship agreement with the supervising faculty member will be placed on file in the Department of Philosophy office.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Philosophy, B.A.

Philosophy, B.A. Society, Ethics, and Law Concentration

Physics and Astronomy

Department Website (<http://www.physics.sc.edu/>)

Michael Dickson, *Interim Chair*

The undergraduate program in physics is designed to provide a fundamental understanding of both experimental and theoretical physics. All of the majors provide a strong basis for graduate study in physics. The applied major is designed for students seeking employment by industrial or governmental laboratories upon completing their B.S. By a suitable choice of electives students will also be prepared for graduate study in the other sciences, mathematics, medicine, or engineering or to enter the

University's special teacher education program that leads to a master's degree and teacher certification.

Programs

- Astronomy Minor (p. 167)
- Physics Minor (p. 167)
- Physics, B.S. (p. 167)

Courses

ASTR 101 - Introduction to Astronomy (4 Credits)

An introduction to the solar system and universe accomplished with interactive lectures, demonstrations, and laboratory experience. Designed primarily for the non-science major.

Carolina Core: SCI

ASTR 201 - Introduction to Astronomy II: The Dark Universe (3 Credits)

Astronomical topics including stellar death, black holes, dark matter, dark energy and cosmology. Astronomical techniques and application of the scientific method in astronomy.

Prerequisites: ASTR 101 or SCHC 115.

Carolina Core: SCI

ASTR 320 - Introduction to Radio Astronomy (3 Credits)

Nature of the sun, planets; galactic and extragalactic sources at radio wavelengths; quasars; techniques, detectors, and telescopes.

Prerequisites: ASTR 211, MATH 115 or equivalent, and PHYS 202, PHYS 212.

ASTR 340 - Introduction to Relativistic Astrophysics (3 Credits)

Final states of stellar evolution; white dwarfs, neutron stars, black holes. Cosmology.

Prerequisites: C or better in ASTR 211 and MATH 115 and PHYS 202 or PHYS 212.

Cross-listed course: PHYS 340

ASTR 499 - Undergraduate Research (3 Credits)

Introduction to and application of the methods of research. A written report on work accomplished is required at the end of each semester.

Graduation with Leadership Distinction: GLD: Research

ASTR 533 - Advanced Observational Astronomy (1-3 Credits)

Development of a combination of observational techniques and facility at reduction of data. A maximum of eight hours per week of observation, data reduction, and consultation. Offered each semester by arrangement with the department.

ASTR 534 - Advanced Observational Astronomy (1-3 Credits)

A continuation of ASTR 533. Up to eight hours per week of observation, data reduction, and consultation.

ASTR 599 - Topics in Astronomy (1-3 Credits)

Readings and research on selected topics in astronomy. Course content varies and will be announced in the schedule of classes by title.

PHYS 101 - The Physics of How Things Work I (3 Credits)

A practical introduction to physics and science in everyday life-from concrete examples to basic physical principles.

Carolina Core: SCI

PHYS 101L - The Physics of How Things Work I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 101.

Prerequisite or Corequisite: PHYS 101.

Carolina Core: SCI

PHYS 102 - The Physics of How Things Work II (3 Credits)

A continuation of PHYS 101 with emphasis on electricity, magnetism, optics, and atomic physics.

Prerequisites: C or better in PHYS 101.

PHYS 102L - The Physics of How Things Work II Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 102.

Prerequisite or Corequisite: PHYS 102.

PHYS 151 - Physics in the Arts (3 Credits)

The physics of sound, color, illumination; musical instruments and photographic processes. Credit may not be received for both PHYS 151 and PHYS 153 or both PHYS 151 and PHYS 155.

PHYS 151L - Physics in the Arts Laboratory (1 Credit)

Laboratory work on wave motion, including acoustic, optical, photographic, and electronic measurements. Credit may not be received for both PHYS 151L and PHYS 153L or both PHYS 151L and PHYS 155L.

Prerequisite or Corequisite: PHYS 151.

PHYS 153 - Physics in the Visual Arts (3 Credits)

Principals of optics: video, and photography, eye and vision, color, polarization, lasers, and holography. Credit may not be received for both PHYS 153 and PHYS 151.

PHYS 153L - Physics in the Visual Arts Laboratory (1 Credit)

Laboratory work in geometrical and wave optics. Credit may not be received for both PHYS 153L and PHYS 151L.

Prerequisite or Corequisite: PHYS 153.

PHYS 155 - Musical Acoustics (3 Credits)

The principles of musical and architectural acoustics, waves and vibrations, digital techniques for generating and recording sound, perception and measure of sound (psychoacoustics). Credit may not be received for both PHYS 155 and PHYS 151.

PHYS 155L - Acoustics Laboratory (1 Credit)

Laboratory work in musical and architectural acoustics. Credit may not be received for both PHYS 155L and PHYS 151L.

Prerequisite or Corequisite: PHYS 155.

PHYS 199 - Measurement and Analysis in Physics (2 Credits)

Measurements in classical and modern physics are performed, and the analyzed results are compared with basic principles. Four hours of mixed lecture and laboratory per week.

Prerequisites: C or better in MATH 115 or equivalent or higher.

PHYS 201 - General Physics I (3 Credits)

First part of an introductory course sequence. Topics include mechanics, and selections from wave motion, sound, fluids, and heat. No previous background in physics is assumed.

Prerequisites: C or better in MATH 111, MATH 111I, MATH 112, MATH 115, MATH 116, MATH 122, MATH 141, or by placement score into MATH 122, MATH 141, or higher.

Carolina Core: SCI

PHYS 201L - General Physics Laboratory I (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 201.

Prerequisite or Corequisite: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202 - General Physics II (3 Credits)

Continuation of PHYS 201; includes electromagnetism, and selected topics from optics, relativity, quantum physics, atomic and nuclear physics.

Prerequisites: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202L - General Physics Laboratory II (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 202.

Prerequisite or Corequisite: C or better in PHYS 202.

Carolina Core: SCI

PHYS 211 - Essentials of Physics I (3 Credits)

Classical mechanics and wave motion. Calculus-level course for students of science and engineering.

Prerequisites: C or better in MATH 141.

Corequisite: PHYS 211L.

Carolina Core: SCI

PHYS 211L - Essentials of Physics I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 211.

Prerequisite or Corequisite: C or better in PHYS 211.

Carolina Core: SCI

PHYS 212 - Essentials of Physics II (3 Credits)

Classical electromagnetism and optics.

Prerequisites: C or better in PHYS 211 and MATH 142.

Corequisite: PHYS 212L.

Carolina Core: SCI

PHYS 212L - Essentials of Physics II Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 212.

Prerequisite or Corequisite: C or better in PHYS 212.

Carolina Core: SCI

PHYS 291 - Einstein's Relativity: Understanding by Example (3 Credits)

Special theory of relativity. Algebra-based course for students of all majors.

Prerequisites: B or better in MATH 115 or equivalent.

PHYS 306 - Principles of Physics III (3 Credits)

Wave motion, optics, and thermodynamics. Calculus-level treatment; a continuation of PHYS 212.

Prerequisites: C or better in PHYS 212 and MATH 142.

Corequisite: MATH 241.

PHYS 307 - Introduction to Modern Physics (3 Credits)

Experimental foundations and general concepts of quantum theory and special relativity; with selected applications from atomic, condensed matter, and nuclear physics.

Prerequisites: C or better in PHYS 212 and MATH 241.

PHYS 310 - Intermediate Experimental Physics (4 Credits)

Descriptive statistics, scientific ethics, and design, construction, and reporting the results of experiments.

Prerequisites: C or better in PHYS 212 and STAT 509 or STAT 515.

PHYS 311 - Introduction to Applied Numerical Methods (3 Credits)

Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving systems of equations, and numerical integration and differentiation.

Prerequisites: MATH 141.

Corequisite: MATH 142.

Cross-listed course: EMCH 201, ENCP 201

PHYS 340 - Introduction to Relativistic Astrophysics (3 Credits)

Final states of stellar evolution; white dwarfs, neutron stars, black holes. Cosmology.

Prerequisites: C or better in ASTR 211 and MATH 115 and PHYS 202 or PHYS 212.

Cross-listed course: ASTR 340

PHYS 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PHYS 498 - Senior Thesis (3 Credits)

An individual investigation in the library or laboratory or both under supervision of the major professor. The preparation of a scientific report is an integral part of the work.

Graduation with Leadership Distinction: GLD: Research

PHYS 499 - Undergraduate Research (3 Credits)

Introduction to and application of the methods of research. A written report on work accomplished is required at the end of each semester.

Prerequisites: C or better in PHYS 310.

Graduation with Leadership Distinction: GLD: Research

PHYS 501 - Quantum Physics I (3 Credits)

A self-contained treatment of quantum theory and its applications, beginning with the Schrodinger equation.

Prerequisites: C or better in PHYS 307 and MATH 242 or MATH 520.

PHYS 502 - Quantum Physics II (3 Credits)

Advanced topics in quantum physics, plus topics in special relativity, high-energy physics, and cosmology.

Prerequisites: C or better in PHYS 501.

PHYS 503 - Mechanics (4 Credits)

Classical mechanics of particles, systems, and rigid bodies; discussion and application of Lagrange's equations, introduction to Hamiltonian formulation of mechanics.

Prerequisites: C or better in PHYS 306 or PHYS 307 and MATH 242 or MATH 520.

PHYS 504 - Electromagnetic Theory (4 Credits)

Field theory of electric and magnetic phenomena; Maxwell's equations applied to problems in electromagnetism and radiation.

Prerequisites: C or better in PHYS 503.

PHYS 506 - Thermal Physics and Statistical Mechanics (3 Credits)

Principles of equilibrium thermodynamics, kinetic theory, and introductory statistical mechanics.

Prerequisites: C or better in PHYS 306, PHYS 307, MATH 241 and MATH 242 or MATH 520.

PHYS 511 - Nuclear Physics (4 Credits)

An elementary treatment of nuclear structure, radioactivity, and nuclear reactions. Three lecture and three laboratory hours per week.

Prerequisites: C or better in PHYS 501.

PHYS 515 - Mathematical Physics I (3 Credits)

Analytical function theory including complex analysis, theory of residues, and saddlepoint method; Hilbert space, Fourier series; elements of distribution theory; vector and tensor analysis with tensor notation.

Prerequisites: C or better in MATH 242 or MATH 520.

PHYS 516 - Mathematical Physics II (3 Credits)

Group theory, linear second-order differential equations and the properties of the transcendental functions; orthogonal expansions; integral equations; Fourier transformations.

Prerequisites: C or better in PHYS 515.

PHYS 517 - Computational Physics (3 Credits)

Application of numerical methods to a wide variety of problems in modern physics including classical mechanics and chaos theory, Monte Carlo simulation of random processes, quantum mechanics and electrodynamics.

Prerequisites: C or better in PHYS 212 and MATH 142.

PHYS 541 - Advanced Experimental Physics I (4 Credits)

Continuation of PHYS 310. Optical apparatus (telescope, microscope, interferometer) and advanced project planning including equipment design and budgeting.

Prerequisites: C or better in PHYS 310.

PHYS 542 - Advanced Experimental Physics II (4 Credits)

Continuation of PHYS 541. Study of topics from advanced optics, astronomy, biophysics, digital electronics, nuclear/particle physics, or solid state physics, plus conduction of a physics experiment, including a written paper and an oral presentation.

Prerequisites: C or better in PHYS 541.

PHYS 546 - Introduction to Astrophysics (3 Credits)

An astrophysics course for physics students. Covers the basics of observational techniques, structure and evolution of stars, interstellar medium and star formation, structure and properties of the Milky Way and nearby galaxies, and generation and transfer of radiation in astrophysical environments.

Prerequisites: C or better in PHYS 307.

PHYS 599 - Topics in Physics (1-3 Credits)

Readings and research on selected topics in physics. Course content varies and will be announced in the schedule of classes by title.

Astronomy Minor

Minor Requirements

Prerequisite Courses (7-8 Hours)

Course	Title	Credits
ASTR 101	Introduction to Astronomy	4
MATH 122	Calculus for Business Administration and Social Sciences	3-4
or MATH 142	Calculus II	
Total Credit Hours		7-8

Required Courses (at least 15 Hours)

- ASTR 201
- ASTR electives: At least 9 hours in advanced ASTR courses numbered 300 or higher

Non-ASTR electives: With approval from the Department of Physics and Astronomy, up to 4 hours in courses from the following set:

Course	Title	Credits
CHEM 118	Computational Chemistry I	1
CSCE 145	Algorithmic Design I	4
EMCH 201	Introduction to Applied Numerical Methods	3
GEOL 201	Observing the Earth	4
MATH 174	Discrete Mathematics for Computer Science	3
PHYS 211	Essentials of Physics I	3
STAT 201	Elementary Statistics	3

Advance consultation with the Physics & Astronomy Department is recommended to ensure that course credits will be acceptable for the astronomy minor. Note that some courses in the ASTR and non-ASTR electives list may have additional prerequisites.

Physics Minor

Minor Requirements

Prerequisite Courses

Course	Title	Credits
PHYS 211	Essentials of Physics I	3
PHYS 211L	Essentials of Physics I Lab	1
Total Credit Hours		4

Required Courses

Course	Title	Credits
PHYS 212	Essentials of Physics II	3
PHYS 212L	Essentials of Physics II Lab	1
PHYS 306	Principles of Physics III	3
PHYS 307	Introduction to Modern Physics	3
PHYS 310	Intermediate Experimental Physics	4
Total Credit Hours		14

Additional Courses

- Three or more credits in Physics courses numbered 311 or higher.

Physics, B.S.

Learning Outcomes

- Students will demonstrate an understanding of the physical phenomena and the use of scientific methods and theories.
- Students will demonstrate their ability to communicate effectively through written reports, which exhibit their ability to comprehend, analyze, and interrogate critically.
- Students will demonstrate their ability to communicate effectively through oral presentations, which exhibit their ability to comprehend, analyze, interrogate critically and present their work to others.

- Students will demonstrate effective use of computers and other technology.

Transfer Requirements

In addition to the minimum University and College of Arts and Sciences requirements, a student seeking to transfer to the physics major from another program within the University, or from another accredited college or university, is required to have earned a grade of “C” or higher in MATH 141.

Note: An AP or IB exam score that provides credit for MATH 141 also satisfies this requirement.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	16-19
3. Program Requirements	23-38
4. Major Requirements	32-54

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (33-45 hours)

Effective, Engaged, and Persuasive Communication: Written – CMW (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (7 hours)

must be passed with a grade of C or higher

- CHEM 111* & CHEM 111L*
- CHEM 112* & CHEM 112L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (16-19 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (7 hours)

must be passed with a grade of C or higher

Course	Title	Credits
CSCE 145	Algorithmic Design I (*)	4
STAT 509 or STAT 515	Statistics for Engineers (*) Statistical Methods I	3
Total Credit Hours		7

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (23-38 hours)

Supporting Courses (23 hours)

must be passed with a grade of C or higher

Course	Title	Credits
PHYS 199	Measurement and Analysis in Physics (*)	2
PHYS 211	Essentials of Physics I	3
PHYS 212	Essentials of Physics II (*)	3
PHYS 306	Principles of Physics III (*)	3
MATH 241	Vector Calculus (*)	3
MATH 242 or MATH 520	Elementary Differential Equations (*) Ordinary Differential Equations	3
Select six hours of the following:		6
MATH 300	Transition to Advanced Mathematics (*)	
MATH 344	Applied Linear Algebra (*)	
MATH 500-level and above (selected with advisor)*		
Total Credit Hours		23

Cognate or Minor (0-18 hours)

The required mathematics courses satisfy the cognate requirement.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (<https://academicbulletins.sc.edu/undergraduate/programs-az/>).

Electives (0-15 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (32-54 hours)

A minimum grade of C is required in all major courses.

Major Courses (32 hours)

Course	Title	Credits
PHYS 307	Introduction to Modern Physics	3
PHYS 310	Intermediate Experimental Physics	4
PHYS 501	Quantum Physics I	3
PHYS 502	Quantum Physics II	3
PHYS 503	Mechanics	4
PHYS 504	Electromagnetic Theory	4
PHYS 506	Thermal Physics and Statistical Mechanics	3

PHYS 541	Advanced Experimental Physics I	4
Select one of the following Experimental Physics courses:		
PHYS 511	Nuclear Physics	4
PHYS 542	Advanced Experimental Physics II	4

Total Credit Hours 32

Engineering Physics Concentration (52-54 hours) *optional*

In order to select the Engineering Physics Concentration a student must have achieved a minimum overall GPA of 2.5 with at least 15 hours taken at UofSC-Columbia. In addition, the student must have passed MATH 141 with a grade of "C" or higher. (An AP or IB exam score that provides credit for MATH 141 also satisfies this requirement.)

Select either the Electrical or Mechanical Option.

Electrical Option (52-53 hours)

Course	Title	Credits
CSCE 211	Digital Logic Design	3
ELCT 102	Electrical Science	3
ELCT 201	Introductory Electrical Engineering Laboratory	3
ELCT 221	Circuits	3
ELCT 222	Signals and Systems	3
ELCT 301	Electronics Laboratory	3
ELCT 371	Electronics	3
PHYS 307	Introduction to Modern Physics	3
PHYS 310	Intermediate Experimental Physics	4
PHYS 311	Introduction to Applied Numerical Methods	3
PHYS 501	Quantum Physics I	3
PHYS 503	Mechanics	4
PHYS 504	Electromagnetic Theory	4
PHYS 506	Thermal Physics and Statistical Mechanics	3
PHYS 541	Advanced Experimental Physics I	4

Physics Elective

Select one of the following: 3-4

PHYS 502	Quantum Physics II	3
PHYS 511	Nuclear Physics	3
PHYS 542	Advanced Experimental Physics II	4

Total Credit Hours 52-53

Mechanical Option (52-54 hours)

Course	Title	Credits
EMCH 200	Statics	3
EMCH 260	Solid Mechanics	3
EMCH 290	Thermodynamics	3
Select four courses (at least 12 hours) from EMCH 300 and above		
PHYS 307	Introduction to Modern Physics	3
PHYS 310	Intermediate Experimental Physics	4
PHYS 311	Introduction to Applied Numerical Methods	3
PHYS 501	Quantum Physics I	3
PHYS 503	Mechanics	4
PHYS 504	Electromagnetic Theory	4
PHYS 541	Advanced Experimental Physics I	4

Select two of the following Physics electives: 6-8

PHYS 502	Quantum Physics II	3
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PHYS 506	Thermal Physics and Statistical Mechanics	3
PHYS 511	Nuclear Physics	3
PHYS 542	Advanced Experimental Physics II	4

Total Credit Hours 52-54

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Physics, B.S. No Concentration

Physics, B.S. Engineering Physics (Electrical Option) Concentration

Physics, B.S. Engineering Physics (Mechanical Option) Concentration

Political Science

Department Website (<http://www.cas.sc.edu/poli/>)

Todd Shaw, *Chair*

The department offers the Bachelor of Arts degree with majors in political science and international studies. Students can pursue either a general or intensive major in either political science or international studies.

Programs

- International Studies Minor (p. 175)
- International Studies, B.A. (p. 176)
- Leadership Studies Minor (p. 181)
- Political Science Minor (p. 183)
- Political Science, B.A. (p. 183)

Courses

POLI 101 - Introduction to Global Politics (3 Credits)

Introduction to theories about global politics. Issues and controversies central to global politics.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103A - Controversies in the Politics of Global Regions: Africa (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103B - Controversies in the Politics of Global Regions: Asia (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103C - Controversies in the Politics of Global Regions: Europe (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103D - Controversies in the Politics of Global Regions: Latin America (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103E - Controversies in the Politics of Global Regions: Middle East (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 105 - Introduction to Politics (3 Credits)

Concepts and problems involved in human relationship with governments, the nation-state, and political change.

POLI 107 - Controversies in Political Theory (3 Credits)

An introduction to the analysis of disputes about the nature of politics and of political ideas such as freedom, equality, and justice.

POLI 109 - Controversies in Public Policy (3 Credits)

An introduction to the analysis of contentious public policy questions in contemporary American society, such as welfare, gun control, health care financing, immigration, affirmative action, and/or abortion.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

POLI 111 - Controversies in American Politics (3 Credits)

An introduction to the analysis of key issues in contemporary American politics focusing on the arguments, the groups involved, and the political factors that influence the outcome of the debate.

POLI 121 - Green Explorations (3 Credits)

Interdisciplinary seminar combining the intellectual exploration of ecological perspectives with the physical exploration of the local environment. First-year students only.

Cross-listed course: ENVR 121

POLI 122 - Green Engagements (3 Credits)

Interdisciplinary seminar on designing, researching, and implementing collaborative projects to promote ecological sustainability. First-year students only.

Cross-listed course: ENVR 122

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

POLI 201 - American National Government (3 Credits)

The formation and development of the national government, its organization and powers. Overlay Course.

Carolina Core: GSS, VSR

Founding Documents: FND Founding Documents

POLI 202 - Policies and Functions of American Government (3 Credits)

The policies and functions of the American national government directed to the public issues and problems of contemporary America.

Prerequisites: POLI 201.

POLI 215 - Introduction to Leadership Studies (3 Credits)

Conceptions and models, values and pitfalls, strategies and skills of leadership and of leaders in diverse contexts

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 240 - Language Conflict and Language Rights (3 Credits)

Examination of linguistic conflict and rights, as well as centrality of language rights to human rights and personal/cultural identity. Basic facts without language related to identify, culture, attitudes, dialects, bilingualism. Case studies (local, national, international) with particular attention to nationalism, language revitalization, language planning.

Cross-listed course: LING 240

Carolina Core: VSR

POLI 300 - Social and Political Philosophy (3 Credits)

An overview of major themes in political philosophy such as the nature of politics, obligation, community, representation, freedom, equality, and justice.

Cross-listed course: PHIL 330

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 301 - The Political Science Discipline (3 Credits)

The history and development of approaches, methods, and fields of study in political science.

Graduation with Leadership Distinction: GLD: Research

POLI 302 - Classical and Medieval Political Theory (3 Credits)

Political theories from the Greeks to the Renaissance.

Carolina Core: VSR

POLI 303 - Modern Political Theory (3 Credits)

Political theories from the Renaissance to the 19th century.

Carolina Core: VSR

POLI 304 - Contemporary Political Theory (3 Credits)

Nineteenth and 20th century political theories.

Carolina Core: VSR

Founding Documents: FND Founding Documents

POLI 305 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Cross-listed course: SOCY 304, WGST 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 307 - Feminist Theory (3 Credits)

Historical development of feminist theory and contemporary debates within feminism.

Cross-listed course: WGST 307

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 315 - International Relations (3 Credits)

International political behavior and institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 316 - Comparative Politics (3 Credits)

Comparative approaches to political systems, behavior, and institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 330 - International Organization (3 Credits)

An introduction to the structure and functions of international political and economic organizations. Particular attention to the United Nations and its specialized agencies, and to emerging regional communities.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 340 - The Conduct and Formulation of United States Foreign Policy (3 Credits)

An analysis of how contemporary United States foreign policy is made and conducted.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 341 - Contemporary United States Foreign Policy (3 Credits)

A critical analysis of selected problems of United States foreign policy.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 342 - National Security Policies of the United States (3 Credits)

Formulation and implementation of contemporary United States defense and security policies.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 350 - Public Opinion and Politics (3 Credits)

A broad survey of the role and development of public attitudes toward political problems in a democracy. Emphasis on the origins, manifestations, and consequences of public opinion in American politics.

POLI 352 - Gender and Politics (3 Credits)

Impact of gender on the distribution of power in society; foundations for intersections of gender, race, social class, and sexuality and their economic, social, and political concomitants.

Cross-listed course: WGST 352

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 353 - Introduction to U.S. Racial and Ethnic Politics (3 Credits)

Survey of theories of the impact of race, ethnicity, and racism on American politics, and analysis of major policies and racial group experience regarding American citizenship.

Cross-listed course: AFAM 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 357 - Film, Politics, and Social Change (3 Credits)

Critical analysis of film as expression and agent of political cultural, ideology, and change.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

POLI 360 - American Political Parties (3 Credits)

A broad survey of the role of political parties in the American political system. Following an examination of the historical evolution of party systems in the United States, primary attention is given to three aspects of contemporary political parties: the party as an organization, the party as an electorate, and the party as a governing elite.

POLI 361 - Elections and Voting Behavior (3 Credits)

An analysis of elections and the voting process. Topics include candidate selection, campaigning, and the conduct of elections as well as public opinion, voting behavior, and the role of elections in the democratic political system.

POLI 362 - Politics and the Mass Media (3 Credits)

Survey of the role in American politics of mass communications media, including the press and electronic news reporting; influence of mass media on the conduct of political campaigns, political leadership style, and public opinion.

POLI 363 - Southern Politics (3 Credits)

Selected political patterns and trends within the 11 states of the American South. Historical developments with the central focus on Southern politics since 1950.

POLI 364 - African-American Politics (3 Credits)

African-American politics from the colonial period to the present. Emphasis on voting rights and strategies to advance black representation.

Cross-listed course: AFAM 364

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 365 - State Government (3 Credits)

A study of state-federal relations, relations among states, state constitutions, and the structure and functions of the three branches of government. Emphasis is given to South Carolina.

POLI 368 - Interest Groups and Social Movements (3 Credits)

The mobilization, organization, tactics, and results of group-based politics, including latent interests and the suppression of interests.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 370 - Introduction to Public Administration (3 Credits)

A study of the basic principles and theory of administrative structure, responsibility, and control in relation to policy making in the modern state.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 371 - Politics of Taxing and Spending (3 Credits)

Principles and practices of financial administration, including organization, budgeting, assessment, treasury management, and debt.

POLI 373 - Regulatory Policies (3 Credits)

Types and limits of powers exercised by regulatory agencies; procedural law and remedies against administrative action.

POLI 374 - Public Policy (3 Credits)

Process of and major approaches to making public policy particularly, in the United States. Case study materials will focus on such major policies as welfare, health care, national security, and resource management.

POLI 379 - Public Affairs Internship (2-6 Credits)

Contract approved by Instructor, Advisor, and Department Chair is required for undergraduates.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

POLI 380 - Comparative Politics of Developing Countries (3 Credits)

A comparative analysis of the political problems confronting new nations, the political consequences of the breakdown of traditional society and the problems of developing new institutional forms and procedures.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 381 - Comparative Politics of Industrialized Countries (3 Credits)

Introduction to the development, structure, and functioning of government and politics in Western Europe, the former Soviet states, and other selected industrialized countries.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 383 - Genocide: A Comparative Perspective (3 Credits)

An analysis of the causes of genocide and the application of those insights to explain how genocide has occurred repeatedly at various times and places across the globe.

POLI 391 - Topics in Political Science (3 Credits)

May be repeated once as topics change.

Graduation with Leadership Distinction: GLD: Community Service

POLI 393 - Race and Science Fiction (3 Credits)

Draws on science fiction to understand the contemporary history of American racial and ethnic politics and to speculate about the significance of race in America's political future.

Cross-listed course: AFAM 393

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 399 - Independent Study/Poli Sci (3 Credits)

Note: Prior approval of an individualized contract by the director of undergraduate studies in political science and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 399A - Independent Study in Political Science (1-6 Credits)

Prior approval of an individualized contract by the director of undergraduate studies in political science and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 399B - Independent Study in International Studies (1-6 Credits)

Prior approval of an individualized contract by the director of undergraduate studies in international studies and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 400 - Selected Topics in Political Theory (3 Credits)

Intensive analysis of a particular topic or topics. To be identified by title each semester.

POLI 401 - Selected Thinkers in Political Theory (3 Credits)

Intensive analysis of particular theorist or theorists. To be identified by title each semester.

POLI 402 - African American Political Thought (3 Credits)

Survey of many of the major schools of historic and contemporary African American political thought.

Cross-listed course: AFAM 402

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 404 - Democratic Theory (3 Credits)

An introduction to contemporary theories and practices with focus on Western, especially American, experience.

POLI 406 - The State of American Politics (3 Credits)

Major factors that affect the state of contemporary American politics, including the Constitution, the Congress, the courts, the presidency, the states, federalism, political parties, special-interest groups, and the electoral process.

POLI 416 - Revolution and Political Violence (3 Credits)

Forms, causes, and consequences of domestic political violence with special attention to revolution.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 417 - Theories of War in International Relations (3 Credits)

The contributions of the social sciences and social theorists to an understanding of the causes of war.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 420 - International Law (3 Credits)

The origin, development, and principles of the international law of peace and the enforcement of these principles, the law of war and pacific settlement of disputes.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 421 - Law and Contemporary International Problems (3 Credits)

The growth of law in several areas of increasing international concern: environmental protection, expropriation, outer space, individual rights and obligations, conservation of resources, state responsibility, and terrorism.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 430 - Ideology and World Politics (3 Credits)

An introduction to the ideological context of world affairs, with attention to traditional democratic, totalitarian, and Third World "developmental ideologies".

Graduation with Leadership Distinction: GLD: Global Learning

POLI 431 - Science, Technology, and Public Policy (3 Credits)

Interaction between science and politics, the making of the national science and technology policy, and the role of public policy in promoting and managing scientific change.

POLI 432 - Nationalism and Ethnicity in World Politics (3 Credits)

Nationalism and ethnicity as factors in world politics, including the sources, nature, and analysis of conflicts associated with them.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

POLI 433 - Economic Aspects of International Politics (3 Credits)

Economic problems and policies in international politics including theory of comparative advantage; international economic aid, trade and monetary issues; the United States' role in the international economy; and the functions of international economic institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 437 - International Relations of Latin America (3 Credits)

Contemporary international relations among Latin American states, including economic and political security and relations with the United States.

Cross-listed course: LASP 451

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

POLI 440 - Russian Foreign Policy (3 Credits)

Analysis of the development of foreign policies in Russia and other states of the former USSR with special attention to relations with Europe and the United States.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 442 - Globalization and Security (3 Credits)

Exploration of the ways in which globalization may impact national and international security.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 443 - International Relations of East Asia and the Pacific (3 Credits)

Political patterns and forces in the Asia/Pacific region in recent times including the process of decolonization, regional conflicts, great power relations, and economic interdependencies.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 444 - International Relations in Japan (3 Credits)

The institutions, actors, and processes of Japan's contemporary political and economic foreign affairs.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 445 - Political Economy of Africa's Regions (3 Credits)

The historic and contemporary political and economic processes and structures of one or more regions in Africa, such as North Africa, West Africa, East Africa, Central Africa, or Southern Africa.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 446 - International Relations of Africa (3 Credits)

Contemporary international relations among African nations including decolonization, pan-Africanism, and movements of national liberation; Africa's role in the United Nations, relations between African states and the former colonial powers, the United States, and communist countries.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 447 - Foreign Policies of Selected Powers (3 Credits)

Foreign policy-making institutions, processes, and policies of selected powers with special attention to the domestic determinants of foreign policy.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 448 - Politics and Government of China (3 Credits)

Political institutions and processes of the People's Republic of China with secondary emphasis on the government and politics of the Republic of China on Taiwan.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 449 - International Relations of the Middle East (3 Credits)

Examination of super- and great-power policies toward the Middle East; inter-regional relations and Middle East foreign relations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 450 - Constitutional Law I: Institutional Powers (3 Credits)

Nature and functions of the national government and its relations with the states.

Founding Documents: FND Founding Documents

POLI 451 - Constitutional Law II: Civil Liberties (3 Credits)

Due process and civil liberties.

Founding Documents: FND Founding Documents

POLI 452 - The Judicial Process (3 Credits)

A study of the growth of law, the law-making function of the courts, the structure and organization of federal and state courts, the procedures involved in civil and criminal cases, and the problems and proposals for reform in the administration of justice.

Founding Documents: FND Founding Documents

POLI 453 - Moot Court and Legal Research (3 Credits)

Introduction to fundamental legal research techniques and strategies applied to controversial court cases in both oral and written forms.

POLI 454 - Women and the Law (3 Credits)

Constitutional and statutory case law dealing with gender equality issues. Topics include abortion, affirmative action, pornography, sexual harassment, fetal protection policies, employment discrimination, and women in the military.

Cross-listed course: WGST 454

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 461 - Congress and the Presidency (3 Credits)

Analysis of the interaction between the legislative and executive branches within a separation-of-power system.

POLI 462 - The Legislative Process (3 Credits)

A study of the structure, organization, powers, functions, and problems of legislative bodies.

POLI 463 - The American Chief Executive (3 Credits)

Constitutional, statutory and political powers and roles of the American chief executive.

POLI 464 - Roosevelt Institution Seminar (3 Credits)

Analysis and discussion of contemporary public policy problems through exposure to campus experts and intensive writing and peer review.

POLI 465 - Psychology and Politics (3 Credits)

The role of psychology in political attitudes and behavior. Examination of individual psycho-political relationships and aggregate typologies. Particular emphasis on the psychological roots of the need for or the rejection of political authority.

Prerequisites: PSYC 101.

POLI 470 - Federalism and Intergovernmental Relations (3 Credits)

The origins and evolution of the American federal system, focusing on the constitutional, regulatory, and financial entanglements among federal, state and local governments.

POLI 475 - Survey Research (3 Credits)

Principles and practice of survey research/public opinion polling including sampling, questionnaire design, data collection, coding processing and analysis.

Graduation with Leadership Distinction: GLD: Research

POLI 476 - Black Activism (3 Credits)

Critical review of theories of community organizing, grassroots activism, and social movements, and examination of contemporary forms of black activism.

Cross-listed course: AFAM 476

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 477 - Green Politics (3 Credits)

An analysis of green political thought and environmental movements at the local, state, national, and global levels.

Graduation with Leadership Distinction: GLD: Community Service

POLI 478 - Environmental Policy (3 Credits)

Themes in environmental policy in industrialized nations. Analysis of issue framing, the role of the public and private tools, and conflicting perspectives. Incorporates analysis of policy process and public management.

POLI 480 - Politics and Government of Russia (3 Credits)

Political processes and institutions of Russia and other independent states of the former USSR.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 481 - Politics and Governments of Europe (3 Credits)

Political processes and institutions of European nations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 483 - Middle East Politics (3 Credits)

Focuses on the internal politics of Middle East states; historical and cultural setting of Middle East politics, social institutions, and dynamics of the political process.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 487 - Politics and Governments of Africa (3 Credits)

Political developments, processes, and institutions of the African nations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 488 - Politics and Governments of Latin America (3 Credits)

The development, principles, political thought, and politics of the several Latin American states.

Cross-listed course: LASP 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD:

Professional and Civic Engagement Leadership Experiences

POLI 489 - Politics and Government of Japan (3 Credits)

Political institutions and processes of Japan.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 498 - Research Experience (3 Credits)

Working with a faculty mentor, students develop a research project and related search skills.

Prerequisites: minimum GPA of 3.60 in major courses, 3.30 overall.

Graduation with Leadership Distinction: GLD: Research

POLI 499 - Senior Thesis (3 Credits)

For intensive majors. Individual instruction in research techniques and supervised thesis preparation.

Graduation with Leadership Distinction: GLD: Research

POLI 500 - Selected Topics in Civilization and Culture (3 Credits)**POLI 502 - Methods of Political Analysis (3 Credits)**

Quantitative techniques in political science; levels of measurement; problems of description, causation, and inference.

POLI 503 - American Political Thought (3 Credits)

Themes and thinkers in American political history.

POLI 504 - Politics and Ethics (3 Credits)

The nature of, and relationship between, politics and ethics.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 505 - Utopian Political Thought (3 Credits)

A critical examination of utopian and dystopian political ideas.

POLI 542 - Research in Language Conflict and Language Rights (3 Credits)

Research into the parameters governing linguistic conflicts and language rights issues, involving a close examination of the nexes of language and individual and ethnic identity, culture, dialects, bilingualism. Examination of regional, national, and international case studies, with particular attention to nationalism, language revitalization, and language planning.

Cross-listed course: LING 542

POLI 552 - Economic Development Policy (3 Credits)

The role government policies have in local and regional differences in economic performance; strategies governments and non-profits use to evaluate economic development policies; topical focus on a range of economic development policies, including land use, infrastructure, workforce development, and education.

POLI 554 - Law and Society (3 Credits)

The American judicial system, including the decision to resolve disputes by legal means, political influence on the legal system, the social impact of legal rulings, the relationship of the courts to other branches of government, and the applicability of higher law concepts in judicial decision making.

POLI 567 - American Local Government (3 Credits)

An introduction to the institutions, functions, policy-making processes, and politics of American local government.

POLI 569 - State and Local Government (3 Credits)

This course will examine the purpose, structure, and functions of state governments and their local subdivisions. Requires special permission of department. Restricted to social studies teachers.

POLI 570 - South Carolina Government and Politics (3 Credits)

South Carolina state and local government in the context of South Carolina history and U.S. state and local government.

POLI 591 - Special Topics in Political Science (3 Credits)

Intensive study of special topics in Political Science. May be repeated as content varies by title.

International Studies Minor Minor Requirements (18 Hours)

Course	Title	Credits
Required Course		
POLI 101	Introduction to Global Politics	3
Additional Electives		
Select 15 hours of the following:		15
POLI 315	International Relations	
POLI 316	Comparative Politics	
POLI 330	International Organization	
POLI 340	The Conduct and Formulation of United States Foreign Policy	
POLI 341	Contemporary United States Foreign Policy	
POLI 342	National Security Policies of the United States	
POLI 380	Comparative Politics of Developing Countries	
POLI 381	Comparative Politics of Industrialized Countries	
POLI 391	Topics in Political Science	
POLI 416	Revolution and Political Violence	
POLI 417	Theories of War in International Relations	
POLI 420	International Law	
POLI 421	Law and Contemporary International Problems	
POLI 430	Ideology and World Politics	
POLI 432	Nationalism and Ethnicity in World Politics	
POLI 433	Economic Aspects of International Politics	
POLI 437	International Relations of Latin America	
POLI 440	Russian Foreign Policy	
POLI 443	International Relations of East Asia and the Pacific	
POLI 444	International Relations in Japan	
POLI 445	Political Economy of Africa's Regions	
POLI 446	International Relations of Africa	
POLI 447	Foreign Policies of Selected Powers	
POLI 448	Politics and Government of China	
POLI 449	International Relations of the Middle East	

POLI 480	Politics and Government of Russia
POLI 481	Politics and Governments of Europe
POLI 483	Middle East Politics
POLI 487	Politics and Governments of Africa
POLI 488	Politics and Governments of Latin America
POLI 489	Politics and Government of Japan

Total Credit Hours **18**

Note: The content of each minor should reflect the student's interests and career aspirations. It should be determined through consultations between the student and the student's academic advisor. A student may earn a maximum of three (3) hours of minor credit for POLI 379 and/or POLI 399 (internship experience and/or independent study content must be internationally-oriented).

International Studies, B.A.

Learning Outcomes

- International Studies majors will demonstrate knowledge of basic facts, themes, theories and concepts central to the study and understanding of international studies.
- International Studies majors will demonstrate critical writing skills and demonstrate proficiency in the analysis of politics and theories of international politics.
- International Studies majors will develop a comprehensive course of study that permits a clear intellectual focus/specialization and prepares them for careers in the field or for graduate work.
- International Studies majors will demonstrate a clear grasp of the core themes and concepts within the major course concentrations/ areas of emphasis they have selected.
- International Studies majors will demonstrate skills in critical thinking and evaluating political data in the analysis of international politics.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	35-44
2. College Requirements	15-18
3. Program Requirements	34-46
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (35-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- POLI 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (3 hours)

- POLI 201*

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - POLI 303*
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-46 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-34 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 1-22 hours of electives will be needed to reach hours to graduate and Program Requirements will range from 22-37 hours, if completing either the Intensive Major or the B.A. with Distinction in International Studies.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (9 hours)

Course	Title	Credits
POLI 105	Introduction to Politics	3
POLI 315	International Relations	3
POLI 316	Comparative Politics	3
Total Credit Hours		9

Major Electives (15 hours)

15 hours in approved internationally focused courses, to be chosen from the list below. At least six hours *must* be POLI courses.

Course	Title	Credits
Comparative Politics:		
POLI 380	Comparative Politics of Developing Countries	3
POLI 381	Comparative Politics of Industrialized Countries	3
POLI 383	Genocide: A Comparative Perspective	3
POLI 416	Revolution and Political Violence	3
POLI 448	Politics and Government of China	3
POLI 480	Politics and Government of Russia	3
POLI 481	Politics and Governments of Europe	3
POLI 483	Middle East Politics	3
POLI 487	Politics and Governments of Africa	3
POLI 488	Politics and Governments of Latin America	3
POLI 489	Politics and Government of Japan	3
International Relations:		
POLI 330	International Organization	3
POLI 340	The Conduct and Formulation of United States Foreign Policy	3
POLI 341	Contemporary United States Foreign Policy	3
POLI 342	National Security Policies of the United States	3
POLI 417	Theories of War in International Relations	3
POLI 420	International Law	3
POLI 421	Law and Contemporary International Problems	3
POLI 430	Ideology and World Politics	3
POLI 432	Nationalism and Ethnicity in World Politics	3
POLI 433	Economic Aspects of International Politics	3
POLI 437	International Relations of Latin America	3
POLI 440	Russian Foreign Policy	3
POLI 442	Globalization and Security	3
POLI 443	International Relations of East Asia and the Pacific	3
POLI 444	International Relations in Japan	3
POLI 445	Political Economy of Africa's Regions	3
POLI 446	International Relations of Africa	3
POLI 447	Foreign Policies of Selected Powers	3
POLI 449	International Relations of the Middle East	3
Approved Non-POLI Major Courses ¹		
ANTH 203	Comparing Cultures Through Film	3
ANTH 204	Plagues Past and Present	3
ANTH 207	Gender and Culture	3
ANTH 208	Anthropology of Globalization and Development	3
ANTH 210	Human Life Cycles in Different Cultures	3
ANTH 211	Learning Across Cultures	3
ANTH 212	Food and Culture	3

ANTH 213	Ethnobotany: Plants and Peoples	3
ANTH 216	Violence and Peace: Anthropological Perspectives	3
ANTH 234	Caribbean Cultures	3
ANTH 236	Cultures of Africa	3
ANTH 237	Cultures of Islam	3
ANTH 238	Middle Eastern Cultures	3
ANTH 240	South Asian Cultures	3
ANTH 241	Southeast Asian Cultures	3
ANTH 242	Chinese Popular Culture	3
ANTH 243	Japanese Cultures	3
ANTH 273	Cross-Cultural Communication	3
ANTH 280	Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout	3
ANTH 301	Latin American Cultures	3
ANTH 342	Environmental Anthropology: Cross-cultural Perspectives on Environmental Change	3
ANTH 350	Anthropology & Development	3
ANTH 351	The Family in Cross-Cultural Perspective	3
ANTH 353	Anthropology of Law and Conflict	3
ANTH 355	Language, Culture, and Society	3
ANTH 356	Anthropology of Art	3
ANTH 357	Psychological Anthropology	3
ANTH 359	Theories of Culture	3
ANTH 360	Anthropology of Sex	3
ANTH 373	Introduction to Language Sciences	3
ANTH 381	Gender and Globalization	3
ANTH 388	Cultures, Pregnancy, and Birth	3
ANTH 392	Global Women's Health	3
ANTH 512	Gender Issues in China	3
ANTH 515	Tradition and Transformations in Islamic Cultures	3
ANTH 552	Medical Anthropology	3
ANTH 553	Anthropological Approaches to Narrative and Performance	3
ANTH 556	Language and Globalization	3
ANTH 557	Psychological Anthropology	3
ANTH 568	Nutritional Anthropology	3
ANTH 569	International Development and the Environment	3
ANTH 572	Temporal Processes in Culture	3
ANTH 575	Economic Anthropology	3
ANTH 576	Archaeology of the African Diaspora	3
ANTH 580	Culture and Identity in the African Diaspora	3
ANTH 581	Globalization and Cultural Questions	3
ARAB 320	Introduction to Modern Arab Literature in Translation	3
CHIN 335	Women in China	3
CHIN 341	Modern Chinese Literature	3
CRJU 440	Homeland Security and Terrorism	3
ECON 303	The International Economy	3
ECON 503	International Trade Economics	3
ECON 504	International Monetary Economics	3
ECON 505	International Development Economics	3
ECON 507	Comparative Economic Systems	3
ECON 509	Economics of Sustainable Development	3

ECON 514	The Economics of Terrorism	3	HIST 344	Eastern Europe Since WWI	3
EURO 300	Introduction to European Studies	3	HIST 347	The Middle East in Modern Times	3
FAMS 308	Global Media Industries	3	HIST 348	North Africa from Colonialism to Revolution: 1830-1962	3
FAMS 360	Special Topics in Global Media	3	HIST 349	The Contemporary Middle East and North Africa	3
FAMS 361	Middle East on Screen	3	HIST 350	Saving Africa: Development and Humanitarianism in Historical Perspective	3
FAMS 363	Hong Kong Action Cinema	3	HIST 352	Africa since 1800	3
FAMS 365	Screening China	3	HIST 353	Problems in the History of Africa South of the Sahara	3
FAMS 598	Special Topics in Global Film and Media	3	HIST 354	Modern East Asia	3
FREN 330	The French Theatre Experience	3	HIST 356	China Since 1949	3
FREN 397	The French Film Experience	3	HIST 358	Japan since 1800	3
FREN 452	French Literature and Culture After 1800	3	HIST 360	Into the Wild: Global Conservation since 1800	3
FREN 453	Francophone Literatures and Cultures	3	HIST 365	East Africa and the Indian Ocean World	3
FREN 501	Contemporary France	3	HIST 367	Gandhi and the Nationalist Movement in India	3
FREN 510	Current Events in the France and the Francophone World	3	HIST 370	History of Capitalism 2: From the Industrial Revolution to the Global Economy	3
GEOG 210	Peoples, Places, and Environments	3	HIST 371	History of Airpower	3
GEOG 223	Geography of Latin America	3	HIST 372	History of Modern Sea Power	3
GEOG 225	Geography of Europe	3	HIST 374	Nationalism: Myth and Reality	3
GEOG 226	Geography of the Middle East	3	HIST 375	Nazis and Fascists in European History, 1919-1945	3
GEOG 228	Geography of Sub-Saharan Africa	3	HIST 376	War and European Society, 1914-1945	3
GEOG 311	Cultural Geography	3	HIST 377	Business in Historical Perspective	3
GEOG 312	Geography and Global Geopolitics	3	HIST 378	Urban Experience in Modern Europe	3
GEOG 330	The Geography of Disasters	3	HIST 379	Women in Modern Europe	3
GEOG 343	Environment and Society	3	HIST 380	History of the Holocaust	3
GEOG 378	World Tourism Geography	3	HIST 381	The Nobel Peace Prize: Peace, War, and Politics	3
GEOG 512	Migration and Globalization	3	HIST 384	Jewish History II: 1500 to the Present	3
GEOG 515	Political Geography	3	HIST 386	Islamic Institutions and Traditions	3
GEOG 538	Global Food Politics	3	HIST 387	Messiahs, Mystics and Rebels in the Islamic World	3
GEOG 568	Human Dimensions of Global Environmental Change	3	HIST 389	Science, Magic and Religion	3
GEOG 569	International Development and the Environment	3	HIST 395	Plagues and Societies in World History	3
GEOG 581	Globalization and Cultural Questions	3	HIST 398	Sustainability in World History from Early Times to the Anthropocene	3
GERM 320	German Kabarett Production	3	HIST 413	History of Canada	3
GERM 340	Readings in German Literature	3	HIST 421	Modern Latin America	3
GERM 450	German Literature from 1890-1945	3	HIST 422	Social and Economic History of Latin America	3
GERM 460	Post-War and Contemporary German Literature	3	HIST 423	History of Mexico	3
GERM 500	Survey of German Culture	3	HIST 446	Immigration and Ethnicity in America	3
GERM 518	German Sociolinguistics	3	HIST 465	American Diplomatic History	3
GERM 580	Topics in German Film	3	HIST 466	American Diplomatic History	3
GLST 300	Introduction to International Development	3	HIST 468	American Military Experience	3
GLST 308	Global Media Industries	3	HIST 562	The Middle East and the United States: 1800 to the Present	3
GLST 370	History of Capitalism From the Industrial Revolution to the Global Economy	3	HPEB 470	Principles of Global Health	3
HIST 314	Video Games and History	3	ITAL 400	Contemporary Italian Civilization	3
HIST 317	Contemporary Europe from World War I to World War II	3	ITAL 404	Twentieth Century Italian Literature	3
HIST 318	Europe from World War II to the Present	3	ITAL 412	Post-World War II Italian Cinema	3
HIST 329	Modern and Contemporary Britain	3	JAPA 340	Introduction to Japanese Culture and Literature	3
HIST 333	France Since 1815	3	JAPA 341	Modern Japanese Literature	3
HIST 335	The History of Modern Russia and the Soviet Union	3	JAPA 350	Japanese Culture and Society through Film	3
HIST 336	Russian and Soviet Diplomatic History	3	JAPA 351	Japanese Culture and Society through Theatre	3
HIST 338	Modern Germany	3			

JAPA 353	Japanese Culture and Society through Animation	3
JAPA 500	Japanese Language in Society	3
LASP-all		
LING 303	Chinese Language and Society	3
LING 340	Language, Culture, and Society	3
LING 546	Japanese Language in Society	3
LING 556	Language and Globalization	3
RELG 210	Introduction to Hinduism	3
RELG 219	Ethics and the Good Life in Asian Religions	3
RELG 220	Introduction to Buddhism	3
RELG 221	Buddhist Meditation in Theory and Practice	3
RELG 230	Introduction to Judaism	3
RELG 240	Introduction to Christianity	3
RELG 250	Introduction to Islam	3
RELG 260	Anthropology of Magic and Religion	3
RELG 261	Global Human Religiosity	3
RELG 314	Religion and Culture	3
RELG 334	Asian Religious Philosophy	3
RELG 343	Religions of the African Diaspora	3
RELG 344	Hindu Devotional Traditions	3
RELG 349	Tantra: Sex, Power, and Bliss in South Asian Religions	3
RELG 350	Buddhist Stories, Poetry, and Films	3
RELG 351	Yoga: The Art of Spiritual Transformation	3
RELG 352	Religions of East Asia	3
RELG 354	Islamic Institutions and Traditions	3
RELG 358	The Qur'an and Hadith	3
RELG 359	Islamic Theology and Philosophical Thought	3
RELG 362	Science, Magic and Religion	3
RELG 367	Sufism	3
RELG 368	Messiahs, Mystics and Rebels in the Islamic World	3
RELG 369	Islamic Law	3
RELG 373	Literature and Film of the Holocaust	3
RELG 382	Jewish History II: 1500 to the Present	3
RELG 387	Jews and Muslims	3
RELG 551	Tradition and Transformations in Islamic Cultures	3
RUSS 320	Twentieth-Century Russian Literature in Translation	3
SOCY 315	Global Population Issues	3
SOCY 512	Internal and International Migration	3
SPAN 380	The Cinema of Spain	3
SPAN 381	The Cinema of Latin America	3
SPAN 400	Spanish Culture	3
SPAN 401	Latin American Culture	3
SPAN 500	Contemporary Spain	3
SPAN 501	Contemporary Latin America	3
SPAN 538	Twentieth-Century Spanish Literature	3
SPAN 543	Spanish-American Literature from the Independence Through Modernism	3
SPAN 555	Spanish-American Literature from Modernism Through 1960	3
SPAN 557	Contemporary Spanish-American Literature	3
WGST 335	Women in China	3

WGST 351	The Family in Cross-Cultural Perspective	3
WGST 379	Women in Modern Europe	3
WGST 381	Gender and Globalization	3
WGST 388	Cultures, Pregnancy, and Birth	3
WGST 392	Global Women's Health	3

¹ Students are NOT required to take non-POLI courses for this major, but they may opt to take up to nine hours toward major credit from the list of approved courses.

Intensive Major (33 hours)

A minimum grade of B is required in all major courses.

In addition to the requirements for the General Major, Intensive majors must complete the following:

- An additional 6 hours of International Studies-related courses (approved by the major advisor)
- POLI 499
- Demonstrate proficiency in one foreign language through the intermediate level

Note: Foreign language proficiency will be demonstrated by earning a rating of "intermediate high" on the ACTFL/ETS examination or a "1+" rating on the Interagency Roundtable (ILR) examination. In those languages for which such testing is not available within a foreign language department, proficiency will be demonstrated by passing with a C or better a minimum of 15 hours of one foreign language.

B.A. with Distinction (33 hours)

Departmental Undergraduate Research Track available to students majoring in International Studies who wish to participate in significant research activities of the major field in collaboration with, or under the supervision of, a faculty mentor.

In addition to the requirements for the General Major, "B.A. with Distinction" majors must complete the following:

Prerequisites

- A minimum GPA of 3.60
- A minimum cumulative GPA of 3.30

Requirements

- POLI 301
- POLI 498
- POLI 499
- Public presentation of the Senior Thesis in a venue approved by the faculty mentor, such as:
 - annual meeting of the South Carolina Political Science Association (or any other annual meeting of the appropriate professional organization)
 - a regular (or special) session of the Political Science Research Workshop
 - sessions scheduled for the Political Science Awards Day activities
 - USC Discovery Day
 - submission to a professional journal
- A written sponsorship agreement from the faculty mentor to be placed on file in the department or college office

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

International Studies, B.A.

Leadership Studies Minor

The Minor in Leadership Studies at the University of South Carolina, housed in the Department of Political Science, prepares students for a lifelong process of leadership development and action. Grounded in a rigorous and multidisciplinary course of study, the minor introduces students to a range of perspectives and models of leadership. These diverse approaches are unified by the goal of providing knowledge and skills that can assist students in promoting positive social change. Academic leadership training combined with the practice of leadership through the myriad of opportunities available at the university provides the foundation for successful leadership development.

A minimum of 18 credit hours is required from the following curriculum, which includes an introductory course, a second course (chosen from one of three core areas: public speaking, organizational/group dynamics, or management), an experiential course, and three courses from at least two of the following four categories: ethics, communication, diversity, and advanced leadership training. Coursework in at least two disciplines is required for the minor. Students must complete minor courses with a grade of 'C' or higher. The content of each minor should reflect the student's interests and be developed in consultation with the student's academic advisor. To this end, courses with appropriate content may be substituted with approval from the advisor for the minor. Students may not count a course toward both their Carolina Core requirements and the minor. Students are strongly encouraged to participate in USC Connect and to develop an e-portfolio reflecting their Carolina leadership experience.

Minor Requirements (18 Hours)

Hours Required for the Minor: 18

Introductory Course

Select one:

- POLI 215
- PCAM 205

Second Course (3 hours)

Select a course from one of the following three (Public Speaking, Organizational/Group Dynamics, or Management) areas:

Public Speaking

Course	Title	Credits
MGMT 250	Professional Communication	3
SPCH 140	Public Communication	3
SPCH 201	Popular Communication and Public Culture	3
SPCH 230	Business and Professional Speaking	3

SPCH 330	Small Group Communication	3
SPCH 331	Organizational Communication	3
SPCH 380	Persuasive Communication	3
SPCH 464	Speechwriting	3

Organizational/Group Dynamics

Course	Title	Credits
POLI 368	Interest Groups and Social Movements	3
PSYC 430	Survey of Social Psychology	3
PSYC 487	Community Psychology	3
SOCY 311	Ecology of Human Social Systems	3
SOCY 312	Bureaucracy and Modern Society	3
SOCY 354	Collective Behavior	3
SOCY 355	Race and Ethnic Relations	3

Management

Course	Title	Credits
POLI 370	Introduction to Public Administration	3
MGMT 371	Principles of Management	3
MGMT 374	Strategic Human Resource Management	3
MGMT 376	Employee Engagement	3
MGMT 401	Negotiation and Conflict in the Workplace	3
MGMT 402	Managing Teams in the Workplace	3
MGMT 403	Leadership in Organizations	3

Experiential Coursework (3 Hours)

3 hours from a course approved by advisor that incorporates study abroad, service-learning (minimum of 8 hours of community service), internship, National Student Exchange, extensive reflection on a leadership experience (e.g., EDLP 520 for U101 peer leaders), or domestic "study away." For students enrolled in a ROTC program, the required ROTC leadership lab satisfies the experiential coursework requirements.

Additional Courses (9 Hours)

Select three courses from at least 2 of the following 4 groups:

Group 1 - Ethics

Course	Title	Credits
ANTH 313	Ethical Dilemmas in Anthropology	1
ARMY 301	Training Management and War Fighting Function	3
JOUR 303	Law and Ethics of Mass Communications	3
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media	3
NAVY 402	Naval Leadership and Ethics	3
PHIL 211	Contemporary Moral Issues	3
PHIL 320	Ethics	3
PHIL 321	Medical Ethics	3
PHIL 322	Environmental Ethics	3
PHIL 323	Ethics of Science and Technology	3
PHIL 324	Business Ethics	3
PHIL 325	Engineering Ethics	3
PHIL 330	Social and Political Philosophy	3
POLI 300	Social and Political Philosophy	3
PHIL 514	Ethical Theory	3
PHIL 527	Virtues, Acts, and Consequences	3

POLI 504	Politics and Ethics	3
SCHC 433	HNRS: Proseminar in Political Science	3
SPTE 385	Ethics in Sport and Entertainment Business	3

Group 2 - Communication

Course	Title	Credits
AERO 301	Leading People and Effective Communication	3
AERO 302	Leading People and Effective Communication II	3
ANTH 355	Language, Culture, and Society	3
LING 340	Language, Culture, and Society	3
ANTH 371	Ethnography of Communication	3
ANTH 555	Language and Gender	3
LING 541	Language and Gender	3
WGST 555	Language and Gender	3
ANTH 556	Language and Globalization	3
LING 556	Language and Globalization	3
ANTH 586	Discourse, Gender, and Politics of Emotion	3
LING 543	Discourse, Gender, and Politics of Emotion	3
ARMY 201	Leadership and Decision Making	2
ARMY 301	Training Management and War Fighting Function	3
ENGL 370	Language in the USA	3
LING 345	Language in the USA	3
ENGL 455	Language in Society	3
LING 440	Language in Society	3
ENGL 462	Technical Writing	3
ENGL 463	Business Writing	3
ITEC 143	Advanced Business Document Preparation	3
JOUR 311	Minorities, Women, and the Mass Media	3
WGST 311	Minorities, Women, and the Mass Media	3
JOUR 203	Principles of Visual Communications	3
JOUR 436	Public Relations Writing	3
JOUR 536	Crisis Communications	3
MGMT 250	Professional Communication	3
MGMT 401	Negotiation and Conflict in the Workplace	3
MUSC 100A	Music Advocacy I: Understanding the Power of Your Music	0
SCHC 480	HNRS: Interdisciplinary Proseminar	3-4
SPCH 140	Public Communication	3
SPCH 201	Popular Communication and Public Culture	3
SPCH 230	Business and Professional Speaking	3
SPCH 330	Small Group Communication	3
SPCH 331	Organizational Communication	3
SPCH 380	Persuasive Communication	3
SPCH 387	Introduction to Rhetoric	3
ENGL 387	Introduction to Rhetoric	3
SPCH 464	Speechwriting	3

Group 3 - Diversity

Course	Title	Credits
Any AFAM course		
ANTH 349	Anthropology of Work	3
ANTH 371	Ethnography of Communication	3
ANTH 381	Gender and Globalization	3

ANTH 555	Language and Gender	3
LING 541	Language and Gender	3
Any ANTH cultures course		
ARAB 280	Introduction to Modern Arab Culture	3
ARMY 401	The Army Officer and the Profession of Arms I	3
ARMY 402	The Army Officer and the Profession of Arms II	3
CHIN 240	Chinese Culture, Tradition, and Modern Societies	3
CPLT 270	World Literature	3
CPLT 300	What is Comparative Literature	3
CPLT 301	Great Books of the Western World I	3
CPLT 302	Great Books of the Western World II	3
CPLT 415	Topics in Comparative Literary Relations	3
ENGL 455	Language in Society	3
LING 440	Language in Society	3
FREN 295	Topics in French Culture	3
GEOG 121	Globalization and World Regions	3
GEOG 210	Peoples, Places, and Environments	3
GERM 280	German Culture and Civilization	3
HIST 329	Modern and Contemporary Britain	3
HIST 338	Modern Germany	3
HIST 347	The Middle East in Modern Times	3
HIST 349	The Contemporary Middle East and North Africa	3
HIST 354	Modern East Asia	3
HIST 379	Women in Modern Europe	3
HIST 386	Islamic Institutions and Traditions	3
RELG 354	Islamic Institutions and Traditions	3
HIST 421	Modern Latin America	3
LASP 342	Modern Latin America	3
IBUS 423	Cross-Cultural Behavior and Negotiations	3
ITAL 400	Contemporary Italian Civilization	3
JAPA 240	Introduction to Japanese Culture	3
JAPA 340	Introduction to Japanese Culture and Literature	3
JOUR 311	Minorities, Women, and the Mass Media	3
LASP 311	Latin American Cultures	3
LASP 315	South American Indian Cultures	3
LASP 351	Politics and Governments of Latin America	3
POLI 488	Politics and Governments of Latin America	3
LING 140	Linguistic Diversity Awareness	2
NURS 313	Nursing Care of the Older Adult	3
POLI 305	Race, Class, Gender, and Sexuality	3
SOCY 304	Race, Class, Gender, and Sexuality	3
POLI 307	Feminist Theory	3
POLI 352	Gender and Politics	3
POLI 353	Introduction to U.S. Racial and Ethnic Politics	3
POLI 364	African-American Politics	3
POLI 402	African American Political Thought	3
POLI 432	Nationalism and Ethnicity in World Politics	3
POLI 454	Women and the Law	3
POLI 476	Black Activism	3
PSYC 440	Survey of Personality	3
RELG 207	Introduction to African American Religions	3
RELG 343	Religions of the African Diaspora	3

RELG 351	Yoga: The Art of Spiritual Transformation	3
RELG 352	Religions of East Asia	3
RELG 210	Introduction to Hinduism	3
RELG 220	Introduction to Buddhism	3
RELG 250	Introduction to Islam	3
RELG 201	Religion and Culture	3
RUSS 280	Introduction to Russian Civilization	3
SOCY 301	Sex and Gender	3
SOCY 309	An Introduction to Social Inequality	3
SOCY 355	Race and Ethnic Relations	3
SOWK 331	Diversity and Social Justice in Contemporary Society	3
SPAN 375	Special Topics in Hispanic Literature	3
SPCH 485	Women's Rhetoric	3
SPCH 486	African-American Rhetoric	3
SPT 570	Special Topics in Global Sport	3
Any WGST course		
Total Credit Hours		206

Group 4 - Advanced Leadership Development

Course	Title	Credits
AERO 301	Leading People and Effective Communication	3
AERO 302	Leading People and Effective Communication II	3
ARMY 302	Adaptive Leadership and Tactical Operations	3
ARMY 401	The Army Officer and the Profession of Arms I	3
ARMY 402	The Army Officer and the Profession of Arms II	3
IBUS 423	Cross-Cultural Behavior and Negotiations	3
JOUR 303	Law and Ethics of Mass Communications	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 374	Strategic Human Resource Management	3
MGMT 376	Employee Engagement	3
MGMT 401	Negotiation and Conflict in the Workplace	3
MGMT 402	Managing Teams in the Workplace	3
MGMT 403	Leadership in Organizations	3
MUED 568	Organization and Administration of Music Programs	2
MUSC 580	Music & Arts Entrepreneurship	3
MUSC 591	Music Leadership Practicum	3
NAVY 401	Naval Leadership and Management I	3
NAVY 402	Naval Leadership and Ethics	3
NURS 428	Nursing Leadership and Management	4
POLI 370	Introduction to Public Administration	3
PUBH 499	Foundations of Public Health Leadership	3
SCHC 390	HNRS: Proseminar	1-3
SOCY 308	Community Organization	3
SOCY 311	Ecology of Human Social Systems	3
SOCY 312	Bureaucracy and Modern Society	3
SOCY 354	Collective Behavior	3
SOCY 355	Race and Ethnic Relations	3
SOWK 331	Diversity and Social Justice in Contemporary Society	3
SOWK 422	Advocacy for Social and Economic Justice	3

SPCH 230	Business and Professional Speaking	3
SPCH 330	Small Group Communication	3
SPCH 331	Organizational Communication	3
SPCH 380	Persuasive Communication	3
SPCH 464	Speechwriting	3

Political Science Minor Minor Requirements (18 Hours)

Course	Title	Credits
Required Course		
POLI 101	Introduction to Global Politics	3
or POLI 201	American National Government	
Additional Electives		
Select 15 hours of POLI courses numbered 300 and above		15
Total Credit Hours		18

Note: The content of each minor should reflect the student's interests and career aspirations. It should be determined through consultations between the student and the student's academic advisor. A student may earn a maximum of three (3) hours of minor credit for POLI 379 and/or POLI 399.

Political Science, B.A. Learning Outcomes

- Political Science majors will demonstrate knowledge of basic facts, themes, theories and concepts central to the study and understanding of politics.
- Political Science majors will demonstrate critical writing skills and demonstrate proficiency in the analysis of politics and theories of politics.
- Political Science majors will demonstrate skills in critical thinking and evaluating political data in the analysis of politics.

Admissions Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary

Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	35-44
2. College Requirements	15-18
3. Program Requirements	34-46
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United States Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements(32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- POLI 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (3 hours)

- POLI 201*

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - POLI 303*
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-46 hours) Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-34 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 4-22 hours of electives will be needed to reach hours to graduate and Program Requirements will range from 22-34 hours, if completing either the Intensive Major or the B.A. with Distinction in Political Science.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (3 hours)

- POLI 105

Major Electives (21 hours)

Course	Title	Credits
Select seven courses from POLI 300 or above		21

Note: One of the following courses must be taken as part of the major requirements in order to fulfill the Carolina Core Integrative course requirement: POLI 315, POLI 316, POLI 361, POLI 368, POLI 370, POLI 374, POLI 451, POLI 462, or POLI 504.

Intensive Major (36 hours)

A minimum grade of B is required in all major courses.

In addition to the requirements for the General Major, Intensive majors must complete the following:

- An additional six hours of major course work (approved by the major advisor).
- POLI 499
- Demonstrate proficiency in one foreign language through the intermediate level.

B.A. with Distinction (36 hours)

Departmental Undergraduate Research Track available to students majoring in political science who wish to participate in significant research activities of the major field in collaboration with, or under the supervision of, a faculty mentor.

In addition to the requirements for the general major, "B.A. with Distinction" majors must complete the following:

- A minimum major GPA of 3.60
- A cumulative GPA of 3.30
- Required courses:
 - POLI 301
 - POLI 498
 - POLI 499
- Additional Requirements:
 - Public presentation of the Senior Thesis in a venue approved by the faculty mentor, such as:
 - Annual meeting of the South Carolina Political Science Association (or any other annual meeting of the appropriate professional organization);
 - A regular (or special) session of the Political Science Research Workshop;
 - Sessions scheduled for the Political Science Awards Day activities;
 - USC Discovery Day;
 - Submission to a professional journal.
 - A written sponsorship agreement from the faculty mentor to be placed on file in the department or college office.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Political Science, B.A.

Psychology

Department Website (<http://www.psych.sc.edu/>)

Jane Roberts, *Interim Chair*

The Department of Psychology offers two undergraduate degrees. Students may elect a program leading to either the Bachelor of Arts or Bachelor of Science degree in experimental psychology.

Entrance Requirements

Lower Division

In order to be admitted into the Department of Psychology, freshmen and transfer students must meet all University and college admission requirements. Transfer students must meet all such requirements and have a GPA of 2.25 or better. Acceptance into the department with a lower-division classification does not guarantee progression into the upper-division psychology major.

Upper Division

Progression into the upper division is based on the successful completion of all lower-division criteria.

Progression Requirements

Lower Division

All students enter the lower division when the psychology major is declared.

Requirements

1. Complete PSYC 101 and PSYC 221 with a grade of C or better.
2. Attain a 2.25 cumulative GPA.
3. The preceding lower-division requirements must be met by the completion of the first 30 credit hours as a declared psychology major. If at that time the student has not met the requirements, the student must select another major.

Regulations

1. Ineligible to enroll in 500-level and higher courses.
2. May repeat psychology major courses only once to earn the required grade of C or better.

Upper Division

Students enter the upper division in one of two ways:

1. Successfully complete lower-division requirements within the first 30 credit hours as a declared psychology major.
2. May be placed in with a cumulative GPA of 2.25 or higher and have earned grades of C or better in both PSYC 101 and PSYC 221 or equivalents.

Regulations

1. Maintain a cumulative GPA of 2.00 or be subject to academic probation. If a 2.00 cumulative GPA has not been attained by the

completion of the probationary term, the student must select another major.

2. May repeat psychology major courses only once to earn the required grade of C or better.
3. Students may attempt PSYC 220 and PSYC 228 two times each. If after the second attempt a student has not earned a grade of C or higher, the student will be removed from the major.
4. May enroll in 500-level and higher courses if the prerequisites have been completed.

Programs

- Psychology Minor (p. 189)
- Psychology, B.A. (p. 189)
- Psychology, B.S. (p. 192)

Courses

PSYC 101 - Introduction to Psychology (3 Credits)

An introduction to and survey of the basic concepts and findings within the field of psychology.

Carolina Core: GSS

PSYC 103 - Psychology of Adjustment (3 Credits)

Introduction to theories and processes underlying and facilitating human adjustment in the community, family, and workplace.

PSYC 120 - Professional Development in Psychology (1 Credit)

Overview of disciplines and careers in psychology. Students will discover career-related interests and options at the bachelor's and post-baccalaureate levels and will be introduced to academic advising, curricular and extracurricular opportunities and academic resources available to support them toward their career goals.

PSYC 220 - Psychological Statistics (3 Credits)

Introduction to statistical methods essential for psychological research.

Prerequisites: C or better in PSYC 101; C or better in MATH 111 or equivalent or Math placement score.

PSYC 221 - Research Methods in Psychology (4 Credits)

Basic principles and methodology.

Prerequisites: C or better in PSYC 220.

Graduation with Leadership Distinction: GLD: Research

PSYC 228 - Laboratory in Psychology (2 Credits)

Laboratory in psychology in which research methods and statistical methods are integrated. One lecture and one two-hour laboratory per week.

Prerequisites: PSYC 226 and PSYC 227.

PSYC 300 - Human Sexual Behavior (3 Credits)

Psychological, physiological, and sociological factors of human sexual behavior and attitudes.

PSYC 301 - Psychology of Marriage (3 Credits)

The psychological, physiological, and social characteristics of marriage.

Cross-listed course: WGST 301

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 310 - Psychology of Women (3 Credits)

Women's experiences: childhood and adolescence, work, family, cultural images, adjustment, and social change.

Cross-listed course: WGST 310

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 320 - Psychology of Religion (3 Credits)

The development of the religious consciousness and its various expressions, the psychological dynamics of growth and conversion, response to crisis, and the relation of spiritual practice to health and wholeness.

Cross-listed course: RELG 361

PSYC 330 - Psychology and the African-American Experience (3 Credits)

Psychological theory and research as it applies to African Americans. Explores Africentric and other perspectives and roles of culture, racism, and historical phenomena.

Cross-listed course: AFAM 330

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PSYC 350 - Industrial Psychology (3 Credits)

Psychological techniques applied to various industrial problem areas, such as management and supervision, morale, efficiency, training, personnel selection and placement, and relations among personnel.

PSYC 360 - Applied Psychology (3 Credits)

Uses of psychological knowledge and techniques in practical contexts; clinical, school, industrial, consumer, and environmental psychology.

PSYC 370 - Psychology of Consciousness (3 Credits)

Theories, controversies, and research findings on the nature of various states of consciousness; topics such as sleep/dreams, hypnosis, drug-induced states, and psychic phenomena.

PSYC 380 - Sport Psychology (3 Credits)

The role of sports in socialization, personality development and competence, including: spectator-performer interactions, motivation, competition effects; and the application of psychological techniques to performance enhancement.

PSYC 399 - Independent Study (1-6 Credits)

Closely supervised project or research experience in psychology. Approved contract required. May be repeated for up to six credits. Not for psychology major credit.

Prerequisites: PSYC 101.

Graduation with Leadership Distinction: GLD: Research

PSYC 400 - Survey of Learning and Memory (3 Credits)

Research and applications concerning the acquisition of new behavior and knowledge, including accounts based on classical and instrumental conditioning and on information-processing models.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 401 - Psychology of Physical Activity (3 Credits)

Introduction to psychosocial factors in physical activity. Topics include mental health effects of exercise, behavior change theories applied to physical activity, and physical activity determinants and interventions.

Prerequisites: C or better in PSYC 101.

Cross-listed course: EXSC 410

PSYC 405 - Cognitive Psychology (3 Credits)

Research and theories on sensory memory, attention, short-term and working memory, human learning and forgetting, imagery, long-term memory, speech perception, reading, language, thinking and problem solving, and decision making.

PSYC 410 - Behavioral and Mental Disorders (3 Credits)

Covers the classification, diagnosis, etiological theories, and treatments of the major mental and emotional disorders.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 420 - Survey of Developmental Psychology (3 Credits)

Psychological development from conception to late adulthood. Topics include physical, cognitive, and social processes associated with development at each stage of the life cycle.

Prerequisites: PSYC 101 or EDPY 335 or SCHC 130.

PSYC 430 - Survey of Social Psychology (3 Credits)

Introduction to theory and research in social psychology from a psychological viewpoint. Topics include social perception, social cognition, attitudes, interpersonal relationships, aggression, prosocial behavior, and group processes.

Prerequisites: PSYC 101 or SCHC 130.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 432 - Men and Masculinities (3 Credits)

This course provides an overview of psychological, social, physical, and emotional issues related to men's lives. Major topics include: gender construction, men and work, men and health, men in relationships, male sexualities, men in families, and masculinities in the media and popular culture.

Cross-listed course: WGST 432

PSYC 440 - Survey of Personality (3 Credits)

Covers the major theories and research on personality and the dynamics of human motivation.

Prerequisites: PSYC 101 or SCHC 130.

Graduation with Leadership Distinction: GLD: Research

PSYC 450 - Sensation and Perception (3 Credits)

Processing of information from the environment. Physiological, physical, psychological, and contextual determinants of perception.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 455 - Introduction to Neuroscience (3 Credits)

Function of the brain including basic neuroanatomy, neurophysiology and neurochemistry, neural systems, and psychopharmacology as it relates to behavior.

Cross-listed course: NSCI 300

PSYC 460 - Brain and Behavior (3 Credits)

How the brain mediates simple and complex behavior and how we can apply basic research about the brain to real world problems.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 465 - Health Psychology (3 Credits)

Application of psychological theories and assessment and treatment methodologies for health maintenance and the diagnosis and treatment of illness.

Prerequisites: PSYC 101.

PSYC 470 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: ANTH 373, LING 300

PSYC 474 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: ANTH 374, LING 474

PSYC 475 - Survey of Clinical Psychology (3 Credits)

The scientific basis of clinical psychology. Topics include history, theory, research, ethics, and best practices. For students interested in graduate school in psychology or other mental health professions.

Prerequisites: B or better in PSYC 228 and PSYC 410.

PSYC 480 - Multi-Cultural Psychology (3 Credits)

This course provides an introduction to theories and research in the study of psychosocial issues of racial, ethnic and cultural groups.

Prerequisites: PSYC 101.

PSYC 487 - Community Psychology (3 Credits)

Application of knowledge from other areas of psychology to the study of the role of the individual in the community.

Prerequisites: PSYC 101 or SCHC 130 and at least 3 hours in psychology at 400 level or above.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Research

PSYC 489 - Community Psychology Practicum (3 Credits)

Supervised, structured field experience in a community agency, applying psychological principles, theory, and research. May be repeated once for credit.

Prerequisites: 15 hours in psychology.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Internships, GLD: Research
Experiential Learning: Experiential Learning Opportunity

PSYC 495 - Internship in Psychology (1-6 Credits)

A supervised experiential course in psychology. Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Prerequisites: C or better in PSYC 226.

PSYC 498 - Advanced Independent Study (1-6 Credits)

Closely supervised project or research experience in psychology. Approved contract required. May be repeated for up to six credits.

Prerequisites: 9 hours of psychology.

Graduation with Leadership Distinction: GLD: Research

PSYC 501 - Human Factors Psychology (3 Credits)

Application of research in experimental psychology to ergonomics, the design of human-environment systems, with emphasis on work settings.

Prerequisites: PSYC 101 and 9 hours of upper-level courses all in psychology, business, engineering, or nursing.

PSYC 503 - Psychology of Drug Use and Effects (3 Credits)

Research and theoretical considerations of substance abuse. Pharmacological, sociological, psychological, medical, economic, forensic, and other relevant research and treatment disciplines.

Prerequisites: PSYC 450 or PSYC 455 or PSYC 460.

PSYC 506 - Psychology of Language (3 Credits)

Theories of speech perception, linguistic theories of syntax and semantics, the brain mechanisms underlying language, the development of language in children, and the role of language in thought.

Cross-listed course: LING 567

PSYC 507 - Cognitive Neuroscience (3 Credits)

Research and theories on the role of the brain in facets of cognitive behavior, including attention, short-term and working memory, perception, language, executive function, thinking, and problem solving.

Prerequisites: C or better in PSYC 405, highly recommended PSYC 455 or PSYC 460.

PSYC 510 - Child Behavioral and Mental Disorders (3 Credits)

Theories, description, and assessment of child behavior problems and disorders; methods of intervention.

Prerequisites: PSYC 420 or PSYC 410.

Graduation with Leadership Distinction: GLD: Community Service

PSYC 520 - Psychology of Child Development (3 Credits)

Examination of development from conception through older childhood. Specific cognitive and social processes will be given in-depth study.

Prerequisites: PSYC 420.

PSYC 521 - Psychology of Adolescence (3 Credits)

Theories and research examining social, emotional, and intellectual development in adolescence. Explores influence of family, peer, school, and cultural contexts.

Prerequisites: PSYC 420.

PSYC 522 - Psychology of Early and Middle Adulthood (3 Credits)

Developmental changes in abilities, personality, and behavior which occur between adolescence and old age.

Prerequisites: PSYC 420.

PSYC 523 - Psychology of Aging (3 Credits)

Psychological, social, and biological phenomena associated with maturity and aging.

Prerequisites: PSYC 420.

PSYC 526 - Prevention of Psychological Problems in Children and Youth at Risk (3 Credits)

Etiology, prevention of, and intervention in behavioral, social, emotional, educational, and psychological problems in children and youth at risk.

Prerequisites: PSYC 410 or PSYC 420 or equivalent.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PSYC 528 - Psychology of Children with Exceptionalities (3 Credits)

Characteristics, causes, needs, and intervention strategies for children with a broad range of exceptionalities including mental, physical, social/emotional difficulties and atypical gifts and talents.

Prerequisites: PSYC 420 or PSYC 520.

PSYC 529 - Nature of Students with Specific Learning Disabilities (3 Credits)

Children with average/above average intelligence and specific learning impairments; diagnostic and remedial techniques. Offered by both the College of Education and the Department of Psychology.

Prerequisites: EDEX 523 or PSYC 528.

Cross-listed course: EDEX 531

PSYC 530 - Advanced Social Psychology (3 Credits)

Intensive study of topics selected from the field of social psychology.

Prerequisites: PSYC 430.

PSYC 550 - Advanced Sensation and Perception (3 Credits)

Intensive study of topics selected from the field of sensation and perception.

Prerequisites: PSYC 450.

PSYC 560 - Advanced Topics in Neuroscience (3 Credits)

Intensive study of topics selected from the field of neuroscience. Course may be repeated for credit under different topics.

Prerequisites: C or better in NSCI 300, PSYC 455 or PSYC 460, for undergraduates.

Cross-listed course: NSCI 560

PSYC 570 - Neuroscience Laboratory (3 Credits)

Practice in the methods of scientific inquiry and the dissemination of research in neuroscience.

Prerequisites: C or better in NSCI 300, PSYC 455, or PSYC 460.

Cross-listed course: NSCI 570

PSYC 571 - Cognitive Neuroscience Laboratory (3 Credits)

Methods of observation and experimentation in cognitive neuroscience. Two lectures and one three-hour laboratory per week.

Prerequisites: PSYC 227 and C or better in two courses from PSYC 405, PSYC 450, PSYC 455, PSYC 460, or PSYC 507.

Prerequisite or Corequisite: one course from PSYC 400, PSYC 405, PSYC 450, PSYC 455, or PSYC 460.

PSYC 572 - Cognitive Psychology Laboratory (3 Credits)

Practice in the experimental techniques used in the study of cognitive psychology. Two lectures and one three-hour laboratory per week.

Prerequisite or Corequisite: PSYC 405.

PSYC 574 - Sensation and Perception Laboratory (3 Credits)

Concepts and principles in the study of sensation and perception in the laboratory. Two lectures and one three-hour laboratory per week.

Prerequisite or Corequisite: PSYC 450.

PSYC 575 - Developmental Psychology Laboratory (3 Credits)

Methods of observation and experimentation on human psychological development. Two lectures and one three-hour laboratory per week.

Prerequisites: PSYC 226 and PSYC 227.

Prerequisite or Corequisite: PSYC 420 or PSYC 520.

PSYC 580 - Intermediate Statistics for Psychologists (3 Credits)

Advanced analysis of the uses and applications of statistics to research in psychology, and interpretation of statistics in the psychological literature.

Prerequisites: B or better in PSYC 227.

PSYC 583 - Psychological Tests and Measurement (3 Credits)

Introduction to the theory and practice of measuring psychological attributes. Emphasis on test construction in a laboratory setting. Hands-on experience in designing, administering, and analyzing psychological tests and measures.

Prerequisites: B or better in PSYC 227 and PSYC 228.

PSYC 584 - History and Systems of Psychology (3 Credits)

Systematic approaches to psychology.

Prerequisites: 9 hours in psychology at 400 level or above.

PSYC 589 - Selected Topics in Psychology (3 Credits)

Course content varies and will be announced in the schedule of classes by title.

PSYC 598 - Individual Research (3 Credits)

Planning and execution of supervised research in psychology. Approved contract required.

Prerequisites: 15 hours of psychology.

PSYC 599 - Individual Research (3 Credits)

Planning and execution of supervised research in psychology. Approved contract required.

Prerequisites: 15 hours of psychology.

Psychology Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Course		
PSYC 101	Introduction to Psychology ¹	3
Elective Courses		
Select three of the following:		9
PSYC 400	Survey of Learning and Memory	
PSYC 405	Cognitive Psychology	
PSYC 410	Behavioral and Mental Disorders	
PSYC 420	Survey of Developmental Psychology	
PSYC 430	Survey of Social Psychology	
PSYC 440	Survey of Personality	
PSYC 450	Sensation and Perception	
PSYC 460	Brain and Behavior	
Additional Courses		
Select an additional two courses from PSYC 200 or above		6
Total Credit Hours		18

¹ May not be used to fulfill social science requirement and also minor requirement.

Note: Students may not apply more than one course from the following courses toward their minor:

Course	Title	Credits
PSYC 399	Independent Study	1-6
PSYC 489	Community Psychology Practicum	3
PSYC 498	Advanced Independent Study	1-6
PSYC 598	Individual Research	3
PSYC 599	Individual Research	3

Psychology, B.A.

1. Students will describe key concepts principles and overarching themes in psychology.
2. Students will develop a working knowledge of psychology content domains.
3. Students will describe applications of psychology.
4. Students will use scientific reasoning to interpret psychological phenomena.
5. Students will demonstrate psychology information literacy.

6. Students will interpret design and conduct basic psychological research.
7. Students will demonstrate effective writing for different purposes.
8. Students will exhibit effective presentation skills for different purposes.
9. Students will develop meaningful professional direction for life after graduation.
10. Students will apply ethical standards to evaluate psychological science and practice.
11. Students will adopt values that build community at local national and global levels.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	26-41
4. Major Requirements	32

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Select one of the following:
 - BIOL 101/BIOL 101L
 - BIOL 102/BIOL 102L
 - BIOL 110
 - BIOL 120/BIOL 120L
 - BIOL 243/BIOL 243L
 - BIOL 244/BIOL 244L
- Any 4-credit hour CC-SCI course (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

must be passed with a grade of C or higher

- PSYC 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (26-41 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (8-29 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (32 hours)

A minimum grade of C is required in all major courses.

Students planning a major in psychology are advised to take basic science credits in biology and chemistry or physics. This is especially important for those contemplating graduate work.

Major Courses (20 hours)

Course	Title	Credits
PSYC 120	Professional Development in Psychology	1
PSYC 220	Psychological Statistics	3
PSYC 221	Research Methods in Psychology	4
Select one of the following:		3
PSYC 400	Survey of Learning and Memory	
PSYC 405	Cognitive Psychology	
PSYC 470	Introduction to Language Sciences	
Select one of the following:		3

PSYC 420	Survey of Developmental Psychology	
PSYC 430	Survey of Social Psychology	
PSYC 465	Health Psychology	
PSYC 480	Multi-Cultural Psychology	
PSYC 487	Community Psychology	
Select one of the following:		3
PSYC 410	Behavioral and Mental Disorders	
PSYC 440	Survey of Personality	
PSYC 510	Child Behavioral and Mental Disorders	
Select one of the following:		3
PSYC 450	Sensation and Perception	
PSYC 455	Introduction to Neuroscience	
PSYC 460	Brain and Behavior	
PSYC 503	Psychology of Drug Use and Effects	
PSYC 507	Cognitive Neuroscience	
Total Credit Hours		20

Major Electives (12 hours)

- Select 3 hours from PSYC 300 or above
- Select 6 hours from PSYC 400 or above
- Select 3 hours from PSYC 501 or above

Note: A maximum of 6 hours of independent study (PSYC 498), individual research (PSYC 598, PSYC 599), internship (PSYC 495) and/or practicum (PSYC 489) courses may apply as major credit and are recommended during the junior/senior year. Students may not receive major credit for both PSYC 455 and PSYC 460.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Psychology, B.A.

Psychology, B.S.

Learning Outcomes

- Students will describe key concepts principles and overarching themes in psychology.
- Students will develop a working knowledge of psychology content domains.
- Students will describe applications of psychology.
- Students will use scientific reasoning to interpret psychological phenomena.
- Students will demonstrate psychology information literacy.
- Students will interpret design and conduct basic psychological research.
- Students will demonstrate effective writing for different purposes.
- Students will exhibit effective presentation skills for different purposes.

- Students will develop meaningful professional direction for life after graduation.
- Students will apply ethical standards to evaluate psychological science and practice.
- Students will adopt values that build community at local national and global levels.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	29-47
4. Major Requirements	32

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 141* or MATH 122*
- MATH 142* or MATH 170* or MATH 172*

SCI – Scientific Literacy (8 hours)

- Select one of the following:
 - BIOL 101/BIOL 101L
 - BIOL 102/BIOL 102L
 - BIOL 110
 - BIOL 120/BIOL 120L
 - BIOL 243/BIOL 243L
 - BIOL 244/BIOL 244L
- Any 4-credit hour CC-SCI course (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

must be passed with a grade of C or higher

- PSYC 101*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

- STAT 201* (or equivalent) or higher
- C SCE 102* (or equivalent) or higher

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (29-47 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina

Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (8-29 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (32 hours)

A minimum grade of C is required in all major courses.

Students planning a major in psychology are advised to take basic science credits in biology and chemistry or physics. This is especially important for those contemplating graduate work.

Major Courses (23 hours)

Course	Title	Credits
PSYC 120	Professional Development in Psychology	1
PSYC 220	Psychological Statistics	3
PSYC 221	Research Methods in Psychology	4
Select one of the following:		3
PSYC 400	Survey of Learning and Memory	
PSYC 405	Cognitive Psychology	

PSYC 470	Introduction to Language Sciences	
Select one of the following:		3
PSYC 420	Survey of Developmental Psychology	
PSYC 430	Survey of Social Psychology	
PSYC 465	Health Psychology	
PSYC 480	Multi-Cultural Psychology	
PSYC 487	Community Psychology	
Select one of the following:		3
PSYC 410	Behavioral and Mental Disorders	
PSYC 440	Survey of Personality	
PSYC 510	Child Behavioral and Mental Disorders	
Select one of the following:		3
PSYC 450	Sensation and Perception	
PSYC 455	Introduction to Neuroscience	
PSYC 460	Brain and Behavior	
PSYC 503	Psychology of Drug Use and Effects	
PSYC 507	Cognitive Neuroscience	
Select one Advanced Laboratory course from the following:		3
PSYC 570	Neuroscience Laboratory	
PSYC 571	Cognitive Neuroscience Laboratory	
PSYC 572	Cognitive Psychology Laboratory	
PSYC 574	Sensation and Perception Laboratory	
PSYC 575	Developmental Psychology Laboratory	
PSYC 598	Individual Research	
PSYC 599	Individual Research	

Total Credit Hours **23**

Major Electives (9 hours)

- Select 3 hours from PSYC 300 or above
- Select 6 hours from PSYC 400 or above

Note: A maximum of 6 hours of independent study (PSYC 498), individual research (PSYC 598, PSYC 599), internship (PSYC 495) and/or practicum (PSYC 489) courses may apply as major credit and are recommended during the junior/senior year. Students may not receive major credit for both PSYC 455 and PSYC 460.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Psychology, B.S.

Religious Studies

Department Website (<http://www.cas.sc.edu/relg/>)

Michael Dickson, *Interim Chair*

The Department of Religious Studies offers a Bachelor of Arts degree with the option for an intensive major, which has potential for a degree "With Distinction in Religious Studies" upon graduation. The department

offers both a major and a minor in religious studies for students seeking a broad liberal arts education focused on the study of a range of complex issues. Students engage in a dynamic, multi-disciplinary investigation that involves insights from fields such as anthropology, history, philosophy, sociology, and theology. Most of all, however, the program of study embraces critical and careful thinking, honest analysis, and an openness to learning about new ideas.

Programs

- Religious Studies Minor (p. 198)
- Religious Studies, B.A. (p. 198)

Courses

RELG 101 - Exploring Religion (3 Credits)

Beliefs and practices of the world's religions and the methods scholars use to study them.

Carolina Core: GSS

RELG 120 - Comparative Religion (3 Credits)

Issues, theories, and debates that shape global religious traditions, cultures, and communities; examination of historical contexts and development, applying social scientific inquiry and methods to analyze relevant current circumstances and concerns.

RELG 201 - Religion and Culture (3 Credits)

Exploration of the dynamic relationships between selected religions and cultures.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RELG 202 - Introduction to Reason and Faith (3 Credits)

Critical study of the intellectual strands leading to Western disconnections between reason and faith; the search for balance between belief and reason with emphasis on contemporary developments.

RELG 204 - Introduction to Religions in America (3 Credits)

The diversity of religious traditions in America.

RELG 205 - Morality, Ethics, and Religion (3 Credits)

Values and ethics as developed, contested, and transmitted through a variety of religious practices.

Carolina Core: VSR

RELG 206 - History of the Devil (3 Credits)

A survey of the beliefs and practices associated with the demonic and the Devil from c 500 B.C.E. to the 20th century.

Cross-listed course: HIST 215

RELG 207 - Introduction to African American Religions (3 Credits)

The variety of religious traditions of African Americans, with emphasis on the contexts in which they developed.

Cross-listed course: AFAM 207

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 208 - Biblical Archaeology (3 Credits)

The fundamental elements of human culture as it relates to biblical archaeology. The defining characteristics of different kinds of society through interdependency of language and culture. The affects of modern world interests in defining / redefining this area.

Cross-listed course: ANTH 226

RELG 210 - Introduction to Hinduism (3 Credits)

An interdisciplinary examination of the complexity of the Hindu religious and philosophical traditions covering such topics as deity, self, cosmos, body ritual, karma, and yoga.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 219 - Ethics and the Good Life in Asian Religions (3 Credits)

Fundamental questions of ethical and moral inquiry in the religious traditions of Asia.

RELG 220 - Introduction to Buddhism (3 Credits)

An introduction to Buddhism from a social historical perspective that examines Buddhist religious goals and practices in the local contexts of India, Sri Lanka, Tibet, China, and Japan.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 221 - Buddhist Meditation in Theory and Practice (3 Credits)

Buddhist methods of meditation, asceticism, and similar disciplinary practices for personal and social transformation. Examination of classic Buddhist works from diverse cultures with attention to modern American practices.

RELG 230 - Introduction to Judaism (3 Credits)

Overview of Jewish experiences, beliefs, practices from a contextual point of view.

Cross-listed course: JSTU 230

RELG 240 - Introduction to Christianity (3 Credits)

Introduction to the Christian religion, with emphasis on the history of the major traditions and movements that have shaped the multicultural practices and social impact of modern global Christianity.

RELG 250 - Introduction to Islam (3 Credits)

Interpretation of primary materials reflecting many dimensions of the Islamic religious tradition, such as the Qur'an, Hadith, legal, and theological and mystical writings, art, rituals, and contemporary Muslim voices.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 260 - Anthropology of Magic and Religion (3 Credits)

A comparative examination of such topics as ritual, cosmology, revitalization movements, magic, witchcraft, myth, and possession.

Cross-listed course: ANTH 206

RELG 261 - Global Human Religiosity (3 Credits)

The human experience and expression of what it means to be religious.

RELG 270 - Religion and the Arts (3 Credits)

Literary, visual, and/or performance art associated with religious discourse and practice.

Carolina Core: AIU

RELG 291 - Special Topics in Religious Studies (3 Credits)

Special topics in Religious Studies. May be repeated as content varies by title.

RELG 301 - Hebrew Bible (Old Testament) (3 Credits)

Modern study of the Hebrew Bible from historical, literary, and archeological points of view. Reading and analysis of texts in translation.

Cross-listed course: JSTU 301

RELG 302 - New Testament (3 Credits)

Historical and critical study of the New Testament writings, with emphasis on origins, production, and transmission.

RELG 310 - Paul and the Philosophers (3 Credits)

Paul's teachings and practices, as shown in his letters and how these resemble those of various cultural formations of his time, with emphasis on moral teachings and schools of Hellenistic philosophy.

RELG 311 - Gospel Literature and the Formation of Christianity (3 Credits)

Gospels about Jesus from the 1st and 2nd centuries CE; analysis with attention to canonical texts as well as those not contained in today's major canonical collections; assessment of gospel literature in competing configurations of Christianity during its formative years.

RELG 312 - The Life and Letters of Paul (3 Credits)

A critical study in the life and thought of Paul, his letters to the early Christian churches, his role in the expansion of the Christian movement, and his continuing influence today.

RELG 313 - The Writings of John the Apostle (3 Credits)

Writings of the Apostle John in the context of first century Mediterranean history as well as the changing interpretations over the centuries up to and including current methodologies of academic study of these ancient texts.

RELG 314 - Religion and Culture (3 Credits)

The impact of religion on modern Western culture and, in turn, of culture on religion. Selected topics: Holocaust, Puritanism, fundamentalism, Islam, Freud, "love" wisdom tradition, "civil religion."

RELG 315 - Early Christianity (3 Credits)

Christianity in the 1st through 5th centuries; its formation as seen through the literature of early Christians and their detractors.

RELG 316 - Imagining Jesus: Antiquity to Present (3 Credits)

Conceptions and representations of Jesus in antiquity up to the present; including the gospel traditions as well as literature, art, and film.

RELG 320 - The Greek New Testament (3 Credits)

Readings in the Gospels and Epistles.

Prerequisites: GREK 121 and GREK 122.

Cross-listed course: GREK 305

RELG 321 - Old Testament Prophets (3 Credits)

Old Testament prophets, the nature of their prophetic experience, their place in the life of ancient Israel, their message, and their continuing theological significance.

RELG 332 - Christian Theology (3 Credits)

Basic Christian teachings concerning God, creation, sin, the person and work of Christ, and life after death.

RELG 333 - Sex, Gender, and Religion (3 Credits)

Gender and sexuality in the shaping of social and individual identity in religious contexts.

Cross-listed course: WGST 333

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 334 - Asian Religious Philosophy (3 Credits)

A historical overview and critical introduction to the philosophical practices of Asian religions; an examination of the basic worldviews, thought frameworks, and foundational questions of the main schools of premodern Asian religious philosophy.

Cross-listed course: PHIL 315

RELG 335 - Christian Ethics (3 Credits)

Basic Christian teachings concerning human nature and conduct; historical foundations and contemporary applications.

RELG 336 - Social Justice & Religion (3 Credits)

Historical, contextual, and developmental aspects of social justice as a significant function of religion.

RELG 337 - Religion and Politics (3 Credits)

Relationships between religion and the structure, institutions, and content of a nation's political processes.

RELG 338 - Sociology of Religion (3 Credits)

Sociological perspectives related to selected aspects of religious behavior. Includes references to non-Western religions.

Cross-listed course: SOCY 307

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 339 - Law and Religious Traditions (3 Credits)

The study of the role of law, legal argumentation, and legal contexts in one or more religious traditions.

RELG 340 - God and the Gods (3 Credits)

The worship of Yahweh and other deities in ancient Israel with special attention to the evolution of monotheism.

RELG 343 - Religions of the African Diaspora (3 Credits)

Explore development/theologies of African/African Diaspora religions; examine misunderstandings; arrive at a more sophisticated and nuanced vision of these religions and the people who hold them.

Cross-listed course: AFAM 343

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 344 - Hindu Devotional Traditions (3 Credits)

One of the main paths to the divine in the Hindu tradition; deep devotion to a god or goddess, or bhakti, with expressions in art, poetry, mythology, theology, and ascetic fervor.

Prerequisites: At least one 100- or 200-level Religious Studies course.

RELG 349 - Tantra: Sex, Power, and Bliss in South Asian Religions (3 Credits)

Investigation of the Buddhist and Hindu religious ideas and practices known as tantra. Topics include tantric views of the human body, freedom, and consciousness; tantric use of sex, imagination, visualization, and manipulation of bodily energy; role of tantric traditions in South Asian religions and cultures.

RELG 350 - Buddhist Stories, Poetry, and Films (3 Credits)

Buddhist stories, poetry, novels, and films from various cultures and times examined for how they creatively convey their religious ideals. Study of great works of Buddhist writing, in English translation, analyzing their techniques and examining how Buddhists use film today for similar aims.

RELG 351 - Yoga: The Art of Spiritual Transformation (3 Credits)

Examination of major South Asian religions—Hinduism, Jainism, Buddhism, and Islam, emphasizing the historical context for changing religious ideals, and the commingling of traditions.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 352 - Religions of East Asia (3 Credits)

Expansion of Buddhism beyond India, development of Confucianism, Taoism, Shinto, and other national religious expressions in China and Japan.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 354 - Islamic Institutions and Traditions (3 Credits)

The religious, political, social and economic institutions and intellectual and scholarly traditions developed by Muslim societies throughout Afro-Eurasia from late antiquity to the present.

Cross-listed course: HIST 386

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 358 - The Qur'an and Hadith (3 Credits)

Intensive study of the Qur'an and Hadith: its major themes and literary quality, with attention to a range of classical and contemporary discourses about the Qur'an, both Islamic and Western.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 359 - Islamic Theology and Philosophical Thought (3 Credits)

Close reading and discussion of primary texts (the Qur'an, Hadith, creeds, classical theological arguments, and modern writings) on major theological problems such as salvation, God, revelation, and religious pluralism.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 361 - Psychology of Religion (3 Credits)

The development of the religious consciousness and its various expressions, the psychological dynamics of growth and conversion, response to crisis, and the relation of spiritual practice to health and wholeness.

Cross-listed course: PSYC 320

RELG 362 - Science, Magic and Religion (3 Credits)

Occultism as a link between science and religion and its central role in Western intellectual and cultural history; the historical development of the science-magic-religion continuum in the Islamo-Christian world from late antiquity to present.

Cross-listed course: HIST 389

RELG 367 - Sufism (3 Credits)

A survey of Islamic mysticism, its foundation in the Quranic revelation doctrines and practices, subsequent development, significance within Islamic civilization, and role in the contemporary world, both Islamic and non-Islamic.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 368 - Messiahs, Mystics and Rebels in the Islamic World (3 Credits)

Representative messianic movements, millenarian visionaries and apocalyptic imaginings in the Islamic world from the 7th century to the present, with attention to related developments in the Jewish and Christian traditions over the last two millennia.

Cross-listed course: HIST 387

RELG 369 - Islamic Law (3 Credits)

Close reading and discussion of primary texts (scriptural, classical, and modern) and accounts of court cases, focuses on one aspect of Islamic law such as equity, violence, authority, or gender.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 372 - Religion and Existentialism (3 Credits)

Existentialist thought as adapted by theologians to interpret religious experience and the biblical message. The movement from philosophical protest against essentialism into imaginative description of existence revealed under stress.

RELG 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 374 - Religion in the South (3 Credits)

Regional faith traditions in Southern historical-cultural context: evangelical piety, denominational tradition, revival, African-American church, Lost Cause idealism.

RELG 376 - Holy Women (3 Credits)

Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

Cross-listed course: WGST 376

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RELG 377 - Religion and Literature (3 Credits)

Classic literary works from one or more religious traditions which have shaped and/or expressed the core ethos of a religious tradition or of the more general human concern for the religious and spiritual; and/or general literature (fiction, poetry, plays, essays, non-fiction) which incorporates religious or spiritual references, ideas, symbolism, allusions.

RELG 381 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from late antiquity to 1500.

Cross-listed course: HIST 383, JSTU 381

RELG 382 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: HIST 384, JSTU 382

RELG 387 - Jews and Muslims (3 Credits)

Jewish-Muslim relations in the Near East and the US; an exploration of Jewish-Muslim encounters, issues of religious law, politics, radical religious ideologies, and their repercussions for today.

Cross-listed course: JSTU 387

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: HIST 388, JSTU 388

RELG 390 - Theories of Religion (3 Credits)

A historical overview of major theories and approaches in the academic study of religion.

RELG 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RELG 410 - Origins of Western Morality (3 Credits)

Greek and Roman ethical theory, its adaptation into Judean and Christian traditions and impact on Western models of morality.

RELG 412 - Faith, Doubt, and God (3 Credits)

Judeo-Christian views of God; modern criticism and contemporary responses.

RELG 471 - Race and Religion (3 Credits)

Conceptualization of race and its transformative impact on the study of religion; genealogical, historical, and theoretical parameters of the intersection between race and religion; recent scholarship that combines the categories of race and religion in the context of various religious communities.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 472 - Religion and Science: Human Questions (3 Credits)

Relationships between religion and science, especially considering impacts of mutual responses and questions with respect to human life in the 21st century.

RELG 473 - Religions, Medicines, and Healing (3 Credits)

Inter-relationships between religion, medicines, and healing; examining perspectives and practices, interfaces and influences across cultures.

RELG 474 - Spiritual Lives (3 Credits)

Contemporary and historical life-stories about spiritual or religious figures as presented in various forms such as biography, autobiography, hagiography, art, and/or film; explores both the specific issues within unique accounts and idealized, general models for spiritual lives.

RELG 475 - Visions of Apocalypse (3 Credits)

Symbolic visions, tours of heaven and hell, cosmic battles, divine judgment, messianic figures, prophecy, or other forms of revelation as found in literature, art, or social movements from diverse geographical and historical locations.

Cross-listed course: JSTU 475

RELG 488 - Perspective in Religious Studies (3 Credits)

Build an understanding of the contexts of religious studies; participate in ongoing scholarly discussions; and expand the serious student's skills in critically analyzing religions.

RELG 491 - Advanced Special Topics in Religious Studies (3 Credits)

Advanced special topics in Religious Studies. May be repeated as content varies by title.

RELG 492 - Special Topics in Research in Religious Studies (1 Credit)

Focused research on special topics in Religious Studies. May be repeated as content varies by title.

RELG 498 - Advanced Project (3 Credits)

A supervised research project or other creative work, required of intensive majors, to be completed in the senior year.

Graduation with Leadership Distinction: GLD: Research

RELG 551 - Tradition and Transformations in Islamic Cultures (3 Credits)

Islam as a dynamic cultural tradition: emphasis on the tension between Islamization and the larger Islamic tradition.

Cross-listed course: ANTH 515

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

RELG 552 - Buddhist Studies Seminar (3 Credits)

The examination of a theme or problem central to the study of Buddhism in a seminar emphasizing intensive reading and creative discussion.

Course may be repeated since topics change.

Religious Studies Minor Minor Requirements (18 Hours)

The Department of Religious Studies offers a flexible minor that requires 18 credit hours in Religious Studies courses.

Students may not apply more than 3 credit hours from the 100-level and not more than 6 credit hours from the 200-level.

Religious Studies, B.A. Learning Outcomes

- Upon completion of the prerequisite and introductory courses, students should be able to distinguish and discuss various religious traditions and structures of beliefs along with sacred texts and practices which frame, elaborate, and preserve those structures, as well as attention to current scholarship. They should be able to address more issues of greater complexity in the study of religion and religions as social and cultural phenomena. Students' abilities to critically analyze religious traditions and scholarly discourse should be more refined, informed, and detailed on completion of their degree program as an outcome of the prerequisite and introductory courses.
- Students completing the required number of upper level courses should be able to distinguish multiple approaches to the study of religion(s), differentiate the various ways in which religious ideas establish social values and expectations, elaborate a range of foundational cultural and social structures from a variety of different global regions, and skillfully discuss the religious roots from which these have been generated and derived. Students will demonstrate readiness to assimilate and assess divergent, anomalous, and difficult ideas and produce coherent, informed, well-organized and well-reasoned perspectives and propositions.
- Students should demonstrate a level of skill and proficiency in analysis of different theories, content, and historical data with respect to the study of religions.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary

Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	34-49
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United States Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI (p. 741) | laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- RELG 101*
or
- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)

- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (34-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

Note: 10-31 hours of electives will be needed to reach hours to graduate and Program Requirements will range from 28-43 hours, if completing the Intensive Major or the B.A. with Distinction in Religious Studies.

4. Major Requirements (24 hours)

A minimum grade of C is required in all major courses.

Major Courses (6 hours)

Course	Title	Credits
RELG 390	Theories of Religion	3
RELG 488	Perspective in Religious Studies	3
Total Credit Hours		6

Major Electives (18 hours)

The major in Religious Studies requires 18 elective credit hours be completed in Religious Studies courses. Students may not apply more than 3 credit hours from the 100-level and not more than 6 credit hours from the 200-level.

Intensive Major (30 hours)

- Complete all requirements for the General Major.
- One additional RELG course at the 300- or 400- level or, with advisor approval, a course outside RELG that relates directly to the research path..
- RELG 498

B.A. with Distinction (30 hours)

Students who fulfill the requirements for the Intensive Major and earn a minimum major GPA of 3.75 and a cumulative GPA of 3.50 will be awarded the degree "With Distinction in Religious Studies" upon graduation.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Religious Studies, B.A.

ROTC

Department Website (https://www.sc.edu/study/colleges_schools/artsandsciences/rotc/)

Military Science

Army Reserve Officer Training Corps (ROTC) is a coeducational program dedicated to developing college-educated men and women to serve in challenging positions of leadership, responsibility, and varied managerial positions both as officers in the U.S. Army and civilians in corporate America.

Army ROTC requires from two to four years to complete, depending on student qualifications. This time is normally divided into a two-year, no-obligation basic program, composed of freshman and sophomore students; and a two-year contractual advanced program, for juniors

and seniors. Students with prior military service, JROTC, or National Guard/Reserve service may qualify for direct placement in the advanced program. At the beginning of their junior year, students with two years remaining before graduation may also qualify for the advanced program by attending Leadership Training Course (LTC), a four-week course offered during the summer at Fort Knox, Kentucky. All students participate in a regular program of physical fitness and field training.

The Scholarship Program

The Army ROTC Scholarship Program awards four-, three-, and two-year scholarships to eligible students on a competitive basis. The Department of Military Science accepts applications for three-year and two-year ROTC scholarships year-round. Nursing students who have qualified for placement in the advanced course may also apply for two-year scholarships. Students do not have to be enrolled in ROTC to apply for three-year and two-year scholarships.

The scholarship amount is applied to the cost of tuition. An additional amount of \$900 is awarded for books and supplies. The students also receive a tiered allowance of \$300, \$350, \$450, or \$500 per month for up to 10 months of each school year depending on their academic status, i.e., freshman, sophomore, junior, or senior. All students receive \$700 while attending the five-week Leadership Development and Assessment Course at Fort Lewis, Washington, after their junior year.

Leadership Training Course (LTC) Two-Year Program

LTC is for students who missed the first and second years of ROTC. LTC is attended during the summer between the sophomore and junior years of college for four weeks at Fort Knox, Ky. The purpose of LTC is to provide instruction in basic leadership and technical skills that will prepare you for your junior and senior years of ROTC. During this camp, you have the opportunity to compete for a two-year scholarship. All travel expenses are paid and you are paid \$700 while attending camp. Students attending this camp incur no military obligation.

Cadet Professional Development Training

Selected cadets may attend Air Assault School, Airborne School, Mountain Warfare School, Northern Warfare School, and/or Scuba School. All training is voluntary and conducted at Army posts throughout the United States during either summer or winter recesses.

Cadet Troop Leader Training

Selected cadets are sent to various Army units in the United States and overseas to develop leadership experience prior to the beginning of their senior year. Cadets are paid and receive all privileges and status of Army officers.

Simultaneous Membership Program (SMP)

The Simultaneous Membership Program is a program in which the individual is both a member of the Army National Guard (ARNG) or the U.S. Army Reserve (USAR) and the Army ROTC. Students receive entitlements from both the ARNG or USAR and the ROTC.

This is a required program for cadets who are in the ARNG or USAR and are in the advanced course. When cadets enter the SMP, they become officer trainees in their guard or reserve unit and are paid as sergeants (E-5), while performing duties commensurate with the grade of second lieutenant.

Professional Military Education Program

The Army ROTC Professional Military Education (PME) program exists to enhance the career development and performance of cadets as future Army officers. The PME guidelines for Army ROTC cadets are as follows:

1. All cadets must successfully complete a course in American military history prior to commissioning.
2. All cadets are encouraged to take a course from each of the following areas prior to commissioning: human behavior, math reasoning, management, and national security studies.

Students will meet with the professor of military science/class advisor before selecting these courses.

Naval Science

The Naval Reserve Officers' Training Corps Program, offered by the Department of Naval Science, prepares selected students for commissioned service in the United States Navy and the United States Marine Corps. The program embodies moral, mental, and physical development and instills in midshipmen the highest ideals of duty, honor, and loyalty in order to commission college graduates as professionally qualified, well-educated officers in the Naval service.

Selection to the program is based on the potential for future development in mind, body, and character so that midshipmen may assume the highest responsibilities of command, citizenship, and government. Naval ROTC graduates are given equal rank, treatment, and opportunity with graduates of the United States Naval Academy.

Students may enter the Naval ROTC Program at any time during their first two years (three years for five-year curricula) of University work. Specific information on an individual basis may be obtained at the ROTC center, located on Pickens St. between Blossom St. and Wheat St., or via phone at 803-777-3451. Any student attending the University may enroll in naval science courses.

Naval ROTC Programs

Navy-Marine Scholarship Program

Naval ROTC scholarship students are selected through national competition and appointed midshipmen, U.S. Naval Reserve, upon enrollment in the University. Upon graduation, Midshipmen are commissioned as ensign, U.S. Navy, or second lieutenant, U.S. Marine Corps, and serve at the pleasure of the president of the United States. Currently, the required minimum active duty service period has been established at four years.

Costs of tuition and fees and a textbook allowance are paid by the government. Uniforms are also provided by the government and students receive subsistence pay for other expenses at the rates of \$250, \$300, \$350, and \$400 per month (depending on class) during the academic year and \$375 per semester for books.

Scholarship midshipmen must complete summer training periods, lasting approximately four weeks, and are paid during these training periods. The second and third summer training periods consist of at-sea training; the first provides aviation, submarine, surface, and amphibious warfare orientation.

Four-Year College Program

The Naval ROTC College Program is a four-year sequence leading to a commission as ensign, U.S. Navy, or second lieutenant, U.S. Marine Corps. College-program requirements are similar to those of the

scholarship program. Applicants are selected by the professor of naval science and must meet certain physical standards. Students may apply for the Naval ROTC College Program at the Naval ROTC administrative office located in the Naval ROTC armory.

College-program midshipmen, if selected for advanced standing, are required to participate in one summer cruise, normally between the junior and senior years, and receive subsistence pay at the rates of \$350 and 400 per month during the junior and senior academic years, respectively, and \$375 per semester for books.

College-program students are eligible for selection to the Scholarship Program. Most students with a GPA of approximately 3.00 or better are awarded full Naval ROTC scholarships for the remainder of their undergraduate education.

College-program graduates commissioned in the U.S. Navy or the U.S. Marine Corps are required to serve on active duty for four years.

Two-Year College Program

The Two-Year College Program is essentially the same as the Four-Year College Program. Applicants must be in the first or second year of college, or in the third year of a five-year curriculum. During the summer preceding the final two years of college, successful candidates attend a six-week Naval Science Institute (NSI) in Newport, Rhode Island. While at the NSI, the Naval ROTC candidate is exposed to various fundamentals of naval science and participates in a compressed review of naval science courses normally taken during the freshman and sophomore years. Upon returning to USC, the Naval ROTC students enroll in the naval science curriculum, commencing with upper-level (300) courses. While in attendance at the NSI, each student receives about \$550 per month, room and board, and compensation for travel expenses. Initial application should be made at the Naval ROTC office in the ROTC center.

Two-Year Scholarship Program

The Two-Year Scholarship Program is similar to the Two-Year College Program, in that accepted students attend the NSI during the summer preceding their final two years. However, selectees for this program are guaranteed a full scholarship (tuition, fees, books, allowance, and a \$300 per month stipend) upon successful completion of the NSI. Initial application should be made at the Naval ROTC office in the Naval ROTC armory.

Marine Corps Option Program

The Marine-option student completes the naval science curriculum for the first year as prescribed for all midshipmen. Specialized Marine Corps naval science courses and summer field training are required during the final three years of Naval ROTC training. Scholarship, college-program benefits, and subsistence pay are the same for Marine and Navy options.

Students desiring a commission in the Marine Corps may elect to enter the Naval ROTC College Program as Marine-option Midshipmen. Upper division Navy-option midshipmen may change to Marine-option midshipmen by submitting a written application to the professor of naval science, preferably during their sophomore year, for designation as a Marine option.

Other Programs

Scholarships are available through the Tweedale Scholarship program for engineering-related majors. Students must have completed at least one but no more than four semesters of college with excellent performance and be capable of completing all other NROTC requirements.

Scholarships are also available to nursing students. Requirements vary; contact the ROTC unit for specifics.

General Requirements

In addition to completing the academic requirements for an approved baccalaureate degree, Naval ROTC students must, either as a part of or in addition to their regular curriculum, complete the following:

1. **Navy-Option Scholarship Students.** Two semesters of calculus by the end of the sophomore year and two semesters of calculus-based physics by the end of the junior year. In addition, scholarship students shall complete one semester of Regional Studies/World Culture, one semester of American Military Affairs or National Security Policy, and two semesters of freshman English.
2. **Navy-Option College Program Students.** Two semesters of college-level mathematics and one semester of computer science by the completion of the junior year. In addition, college program students will complete two semesters of physical science and two semesters of freshman English prior to graduation.

All Naval ROTC students are required to participate in weekly professional training laboratories which include physical fitness, swimming, military drill, and class seminar/advisement. The Naval uniform must be worn all day on those days allocated for military drill, generally Thursdays.

Navy-option students must complete 26 semester hours in a standardized naval science curriculum. Marine-option students must complete 15 semester hours of naval science courses plus one elective approved in advance by the professor of naval science.

Programs

- Aerospace Studies (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/rotc/aerospace-studies/>)
- Aerospace Studies Minor (p. 205)
- Military Science Minor (p. 206)
- Naval Science Minor (p. 206)

Courses

AERO 101 - US Air Force Heritage and Values I (1 Credit)

Survey course introducing students to the U.S. Air Force and AFROTC. Topics include mission and organization of the Air Force, officership, professionalism, military customs and courtesies, and officer career opportunities.

Corequisite: AERO 101L

AERO 101L - Leadership Laboratory 101 (0 Credits)

Provides cadets the basic skills/knowledge to be functional members of the cadet corps, and activities to build camaraderie and esprit-de-corps. Includes mandatory physical fitness program.

Corequisite: AERO 101.

AERO 102 - US Air Force Heritage and Values II (1 Credit)

Continuation of AERO 101. Additional topics include Air Force core values, leadership principles, group leadership dynamics, and an introduction to verbal and written communications skills.

Corequisite: AERO 102L.

AERO 102L - Leadership Laboratory 102 (0 Credits)

Continuation of AERO 101L. Exposure to additional information on an Air Force career. Scenarios and problems teach followership and leadership skills. Includes mandatory physical fitness program.

Corequisite: AERO 102.

AERO 201 - Team and Leadership Fundamentals I (1 Credit)

Fundamental introduction to leadership and team-building.

Corequisite: AERO 201L.

AERO 201L - Leadership Laboratory 201 (0 Credits)

Preparation of students for summer training at an Air Force base; teaching drill and other leadership experiences. Includes mandatory physical fitness program.

Corequisite: AERO 201.

AERO 202 - Team and Leadership Fundamentals II (1 Credit)

Continuation of AERO 201. This course continues to build fundamental leadership and team building skills.

Corequisite: AERO 202L.

AERO 202L - Leadership Laboratory 202 (0 Credits)

Continuation of AERO 201L. Focuses on AFROTC Honor Code, Field Training Manual/procedures, and expeditionary skills required at field training. Includes mandatory physical fitness program.

Corequisite: AERO 202.

AERO 301 - Leading People and Effective Communication (3 Credits)

Tools and strategies for effective leadership. Topics include improving writing and public speaking skills used for briefing as well as ethics training.

Corequisite: AERO 301L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 301L - Leadership Laboratory 301 (1 Credit)

Provides cadets opportunities to develop leadership and followership skills, as well as sharpen their planning, organization, and communication ability. Includes mandatory physical fitness program.

Corequisite: AERO 301.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 302 - Leading People and Effective Communication II (3 Credits)

Continuation of AERO 301. Advanced ethics and leadership skills designed to prepare the cadet to be an officer and a leader.

Prerequisites: AERO 301.

Corequisite: AERO 302L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 302L - Leadership Laboratory 302 (1 Credit)

Continuation of AERO 301L. Allows intermediate cadet leaders to further develop leadership and management skills essential in Air Force officers. Includes mandatory physical fitness program.

Prerequisites: AERO 301L.

Corequisite: AERO 302.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 401 - National Security/Leadership Responsibilities/Commissioning Preparation (3 Credits)

Study of U. S. Constitution, the Armed Forces, civilian control of the military, elements of national security, USAF doctrine, Total Force, the Joint environment, terrorism, and regional and cultural studies.

Prerequisites: C or better in AERO 302 and AERO 302L.

Corequisite: AERO 401L.

AERO 401L - Leadership Laboratory 401 (1 Credit)

Provides senior cadet leaders opportunities to develop leadership and supervisory skills, and to effectively manage resources toward mission accomplishment. Includes mandatory physical fitness program.

Prerequisites: C or better in AERO 302 and AERO 302L.

Corequisite: AERO 401.

AERO 402 - National Security / Leadership Responsibilities / Commissioning Preparation II (3 Credits)

Continuation of AERO 401. Topics include national security policy and process, air and space power operations, roles of the military in society and current domestic and international issues affecting the military profession.

Prerequisites: C or better in AERO 401 and AERO 401L.

Corequisite: AERO 402L.

AERO 402L - Leadership Laboratory 402 (1 Credit)

Continuation of AERO 401L. Allows senior cadet leaders advanced opportunities to hone their leadership in preparation for entering active duty. Includes mandatory physical fitness program.

Prerequisites: C or better in AERO 401 and AERO 401L.

Corequisite: AERO 402.

AERO 499L - Extended Cadet Leader Leadership Laboratory (0 Credits)

Provides extended cadet leaders opportunities to continue developing leadership, managerial, and communication skills, and to mentor junior cadet corps members. Includes mandatory physical fitness program.

Prerequisites: AERO 402L.

ARMY 101 - Introduction to Army Fundamental Tactics (1 Credit)

Introduces cadets to the Army and the Profession of Arms.

Corequisite: ARMY 101L.

ARMY 101L - Lab in Military Science I (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 101.

ARMY 102 - Foundations of Agile and Adaptive Leadership (1 Credit)

Continuation of ARMY 101. Builds on the introduction to the Army and the Profession of Arms.

Corequisite: ARMY 101L.

ARMY 102L - Lab in Military Science II (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 102.

ARMY 201 - Leadership and Decision Making (2 Credits)

Exploration of tactical leadership strategies, team dynamics, historical leadership theories and developing leadership attributes.

Corequisite: ARMY 201L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 201L - Lab in Military Science III (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 201.

ARMY 202 - Army Doctrine and Team Development (2 Credits)

Soldier skills, including map reading and land navigation. Introduces Army troop-leading procedures through practical exercises and principles of war using historical events. Note: Two lectures and leadership laboratory per week.

Corequisite: ARMY 202L.

ARMY 202L - Lab in Military Science IV (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 202.

ARMY 301 - Training Management and War Fighting Function (3 Credits)

Classroom instruction on Army Publications and Doctrine, War Fighting Functions and the Branches of the Army, Oral Presentations, as well as dedicated leadership labs focusing on Field Craft, Marksmanship, and Individual, Team, and Squad Movement Techniques.

Corequisite: ARMY 301L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 301L - Lab in Military Science V (1 Credit)

Lab in Military Science ARMY 301L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 301.

ARMY 302 - Adaptive Leadership and Tactical Operations (3 Credits)

Continuation of ARMY 301. Classroom instruction on Army Publications and Doctrine, War Fighting Functions and the Branches of the Army, Oral Presentations, as well as dedicated leadership labs focusing on Field Craft, Marksmanship, and Individual, Team, and Squad Movement Techniques.

Prerequisites: C or better in ARMY 301.

Corequisite: ARMY 302L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 302L - Lab in Military Science VI (1 Credit)

Lab in Military Science ARMY 302L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 302.

ARMY 399 - Independent Study (1-3 Credits)

Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses. May be repeated for credit.

ARMY 400 - Nurses Summer Training Program Clinical Elective (3 Credits)

A 3-week summer nursing experience conducted at an Army hospital in the United States, Europe, or Asia that orients the cadet nurse to the mission of the U.S. Army Medical Department and its health care delivery system. It provides a minimum of 120 hours of clinical experience to develop nursing, leadership, administrative, and interpersonal skills.

Prerequisites: completion of the Leadership Development Assessment Course [LDAC], NURS 412 or its equivalent, acceptance into any Army ROTC, and enrolled Army ROTC Nursing Cadets.

ARMY 401 - The Army Officer and the Profession of Arms I (3 Credits)

Focuses on developing the knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Topics include Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities.

Prerequisites: C or better in ARMY 301 and ARMY 302.

Corequisite: ARMY 401L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 401L - Lab in Military Science VII (1 Credit)

Lab in Military Science ARMY 401L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 401.

ARMY 402 - The Army Officer and the Profession of Arms II (3 Credits)

Continuation of ARMY 401. Focuses on developing the knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Topics include Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities.

Prerequisites: C or better in ARMY 401.

Corequisite: ARMY 402L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 402L - Lab in Military Science VIII (1 Credit)

Lab in Military Science ARMY 402L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 402.

ARMY 406 - American Military Experience (3 Credits)

Transformation of war and of the institutions for waging war from the American Revolution to the present.

Cross-listed course: HIST 468

ARMY 499 - Internship/Research in Military Science (1-3 Credits)

Supervised internship experience between USC and Military Organizations under the direction of a faculty member in military science. May be repeated for credit. Contract required.

NAVY 101 - Fundamentals of Naval Science (3 Credits)

The Naval Service with emphasis on the mission, organization, regulation, and components of the Navy and Marine Corps.

NAVY 102 - U.S. Military History (3 Credits)

A historical survey on the importance of military doctrine and the many roles of the United States Military covering from the American Revolution to present day. HIST 468 or ARMY 406 may be taken in lieu of this course to meet the Naval ROTC History requirement.

NAVY 111 - Naval Military Laboratory (0 Credits)

Military drill, cruise preparation, customs, traditions, and special areas of knowledge required of commissioned officers in the Navy and Marine Corps. Pass/Fail grading.

NAVY 201 - Naval Ships Systems I (3 Credits)

Types, structure, and purpose of naval ships. Hydrodynamic forces, stability, compartmentation, electrical, and auxiliary systems. Theory of design and operation of steam, gas turbine, and nuclear propulsion. Shipboard safety and firefighting.

NAVY 202 - Naval Ships Systems II (3 Credits)

Fire control systems, weapons types, capabilities, and limitations. Physical aspects of radar and underwater sound for target acquisition, threat analysis, tracking, weapons selection, delivery, and guidance. Explosives, fusing, and naval ordnance.

NAVY 301 - Navigation/Naval Operations I (4 Credits)

Piloting and celestial navigation theory, principles, and procedures. Tides, current, weather, use of navigational instruments and equipments, and practicum. Laboratory required.

NAVY 301L - Navigation/Naval Operations Lab I (0 Credits)

Laboratory work in piloting and celestial navigation to complement Naval Science 301. One hour per week.

NAVY 302 - Navigation/Naval Operations II (4 Credits)

International and Inland Rules of the Road; relative motion-vector analysis; ship handling, employment, tactics, and afloat communications; and operations analysis. Laboratory required.

NAVY 302L - Navigation/Naval Operations II Lab (0 Credits)

Laboratory work in maneuvering board (vector analysis) and Rules of the Road to complement Naval Science 302. One hour per week.

NAVY 303 - Evolution of the Art of War (3 Credits)

A survey of military history emphasizing principles of warfare, strategy and tactics, and significant military leaders and organizations.

NAVY 401 - Naval Leadership and Management I (3 Credits)

Theory and principles of management, focusing on the officer-manager as an organizational decision maker. Includes interpersonal skills; behavior factors; group dynamics.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NAVY 402 - Naval Leadership and Ethics (3 Credits)

Integration of professional military competencies and qualities of effective leadership with emphasis on moral and ethical responsibilities, accountability, communications, and military law for the junior officer.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NAVY 403 - Fundamentals of Maneuver Warfare (3 Credits)

The history of Maneuver Warfare emphasizing doctrine and techniques while enabling students to become critical thinkers and better prepare them for future service.

Aerospace Studies Minor

Minor Requirements (20 Hours)

Course	Title	Credits
General Courses (4 hours)		
AERO 101	US Air Force Heritage and Values I	1
AERO 101L	Leadership Laboratory 101	0
AERO 102	US Air Force Heritage and Values II	1
AERO 102L	Leadership Laboratory 102	0
AERO 201	Team and Leadership Fundamentals I	1
AERO 201L	Leadership Laboratory 201	0
AERO 202	Team and Leadership Fundamentals II	1
AERO 202L	Leadership Laboratory 202	0
Professional Courses (16 hours)		
AERO 301	Leading People and Effective Communication	3
AERO 301L	Leadership Laboratory 301	1
AERO 302	Leading People and Effective Communication II	3
AERO 302L	Leadership Laboratory 302	1
AERO 401	National Security/Leadership Responsibilities/ Commissioning Preparation	3
AERO 401L	Leadership Laboratory 401	1
AERO 402	National Security / Leadership Responsibilities / Commissioning Preparation II	3
AERO 402L	Leadership Laboratory 402	1
Total Credit Hours		20

Military Science Minor

Minor Requirements (19 Hours)

All students minoring in military science must complete designated required courses and professional military education courses. Students must earn a grade of C or better in all minor courses.

Course	Title	Credits
Pre-Requisites		
ARMY 101	Introduction to Army Fundamental Tactics	1
ARMY 101L	Lab in Military Science I	1
ARMY 102	Foundations of Agile and Adaptive Leadership	1
ARMY 102L	Lab in Military Science II	1
ARMY 201	Leadership and Decision Making	2
ARMY 201L	Lab in Military Science III	1
ARMY 202	Army Doctrine and Team Development	2
ARMY 202L	Lab in Military Science IV	1
Or approval by the Military Science instructor for waiving courses due to prior military experience		
Required Courses		
ARMY 301	Training Management and War Fighting Function	3
ARMY 301L	Lab in Military Science V	1
ARMY 302	Adaptive Leadership and Tactical Operations	3
ARMY 302L	Lab in Military Science VI	1
ARMY 401	The Army Officer and the Profession of Arms I	3
ARMY 401L	Lab in Military Science VII	1
ARMY 402	The Army Officer and the Profession of Arms II	3
Professional Military Education (Military History Course)		
Select one of the following:		
ARMY 406	American Military Experience	
or HIST 468	American Military Experience	
HIST 468	American Military Experience	
The following courses are strongly encouraged as options to satisfy the Carolina Core:		
GEOG 105	The Digital Earth (may satisfy ARP)	3
GEOG 201	Landform Geography (may satisfy SCI)	4
GEOG 202	Weather and Climate (may satisfy SCI)	4
Total Credit Hours		36

Note: ARMY 399 and ARMY 499 may be used as substitutions in the minor as approved by the Military Science department.

Naval Science Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
NAVY 101	Fundamentals of Naval Science	3
NAVY 102	U.S. Military History	3
NAVY 402	Naval Leadership and Ethics	3
Electives		
Select three of the following:		
NAVY 201	Naval Ships Systems I	
NAVY 202	Naval Ships Systems II	

NAVY 301	Navigation/Naval Operations I
NAVY 302	Navigation/Naval Operations II
NAVY 303	Evolution of the Art of War
NAVY 401	Naval Leadership and Management I
NAVY 403	Fundamentals of Maneuver Warfare

Total Credit Hours

18

School of the Earth, Ocean and Environment

Department Website (https://www.sc.edu/study/colleges_schools/artsandsciences/earth_ocean_and_environment/)

Alicia Wilson, *Director*
Gwendelyn Geidel, *Undergraduate Director*
Joseph Quattro, *Graduate Director*

The School of the Earth, Ocean and Environment (SEOE) is a unit within the College of Arts and Sciences, and encompasses research and education in the geosciences and, marine sciences, and as well as the environment and sustainability. Our focal academic areas span the range from the natural and social sciences to the environmental humanities.

Unification of these areas under one umbrella encourages synergistic interactions and collaborations in both research and teaching. The Belle Baruch Institute for Marine and Coastal Sciences is housed within the SEOE, and provides unique facilities and resources on the coast of South Carolina.

Programs

- Environmental Science, B.S. (p. 214)
- Environmental Studies Minor (p. 219)
- Environmental Studies, B.A. (p. 220)
- Geological Sciences Minor (p. 224)
- Geological Sciences, B.S. (p. 224)
- Geophysics Minor (p. 228)
- Marine Science Minor (p. 228)
- Marine Science, B.S. (p. 228)

Courses

ENVR 101 - Introduction to the Environment (3 Credits)

Analysis of environmental issues and the role of science in their identification and resolution.

Carolina Core: SCI

ENVR 101L - Introduction to the Environment Lab (1 Credit)

Demonstrations, field trips, data analyses, and discussion relating to environmental issues, such as sustainability, resource management, and pollution control.

Prerequisite or Corequisite: ENVR 101.

Carolina Core: SCI

ENVR 121 - Green Explorations (3 Credits)

Interdisciplinary seminar combining the intellectual exploration of ecological perspectives with the physical exploration of the local environment. First-year students only.

Cross-listed course: POLI 121

ENVR 122 - Green Engagements (3 Credits)

Interdisciplinary seminar on designing, researching, and implementing collaborative projects to promote ecological sustainability. First-year students only.

Cross-listed course: POLI 122

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

ENVR 200 - Natural History of South Carolina (4 Credits)

General review of plants, animals, and geological features of South Carolina, with an emphasis on connections to the natural world.

Carolina Core: SCI

ENVR 201 - Environmental Science and Policy I (4 Credits)

Introduction to interdisciplinary and multidisciplinary perspectives on environmental issues. Required for majors in the Environment and Sustainability Program. Integrative case studies address ways of understanding nature. Sophomore Standing.

ENVR 202 - Environmental Science and Policy II (4 Credits)

Continuing interdisciplinary and multidisciplinary exploration of relations between environment and society for majors in the Environment and Sustainability Program. Case studies raise issues, challenges, and strategies to achieving sustainability.

ENVR 231 - Introduction to Sustainability Management and Leadership (3-4 Credits)

Introduction to development, establishment, and implementation of sustainability management systems and organizational leadership for achieving environmental, social, and economic goals.

ENVR 295 - Green Technology in Germany (3 Credits)

Examination of roots and culture of environmentalism and related technological innovation in Germany. Comparison of green practices around the world to practices within Europe and U.S.

Cross-listed course: GERM 295

Graduation with Leadership Distinction: GLD: Community Service

ENVR 321 - Environmental Pollution and Health (3 Credits)

A survey of pollution (chemical, biological, physical) effects on environmental quality and public health with emphases on how each pollutant class behaves and affects individual and community health over acute to chronic exposure periods.

Cross-listed course: ENHS 321

ENVR 322 - Environmental Ethics (3 Credits)

Examination of principles and arguments surrounding moral issues involving the environment.

Cross-listed course: PHIL 322

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

ENVR 323 - Global Environmental Health (3 Credits)

Concerns in global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

Cross-listed course: ENHS 323

ENVR 331 - Integrating Sustainability (3 Credits)

Multidisciplinary approach to interrelated environmental, economic and social problems facing humans at local, regional and global scales.

ENVR 342 - Environmental Anthropology: Cross-cultural Perspectives on Environmental Change (3 Credits)

Cross-cultural perspectives on environmental issues.

Cross-listed course: ANTH 342

ENVR 348 - Environmental Racism and Justice (3 Credits)

History of the environmental justice movement and the unequal distribution of environmental harms on low income, minority, and historically marginalized groups.

Cross-listed course: AFAM 348

ENVR 352 - Energy, Society and Sustainability (3 Credits)

The role of energy in shaping society and geographic settings, as well as how energy production and consumption are shaped by the societal values and norms in which it is extracted, produced, and consumed.

ENVR 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and dean of the School of the Environment is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ENVR 460 - Congaree National Park: Field Investigations in Environmental Science (4 Credits)

Field research practices and analysis techniques in environmental science. Combines inquiry-based field investigations at Congaree National Park and laboratory sample analysis with integration of data and public policy concepts. Daily field trips required.

Prerequisites: ENVR 201 and ENVR 202.

ENVR 480 - Environmental Issues Seminar (3 Credits)

Collaborative study of a contemporary environmental issue. Field trips may be required.

ENVR 490 - Special Topics in Sustainability and the Environment (1-4 Credits)

Current developments in sustainability and global environmental issues selected to meet faculty and student interests. May be repeated as content varies.

ENVR 499 - Research in Environmental Science (1-3 Credits)

Independent student research in collaboration with faculty mentors. Contract approved by instructor, advisor, and department chair is required.

Graduation with Leadership Distinction: GLD: Research

ENVR 500 - Environmental Practicum (3 Credits)

Multidisciplinary research projects related to University or community environmental problems (e.g., energy, water conservation, solid waste, recycling).

ENVR 501 - Special Topics in the Environment (3 Credits)

An in-depth analysis course of a specific interdisciplinary environmental topic. Course content varies and will be announced in the schedule of classes by title.

Prerequisites: ENVR 101 or ENVR 201.

ENVR 517 - Socionatural Coastlines in Global Perspective (3 Credits)

A discussion-based seminar course that examines nature-society relations in coastal regions globally. The course will use social theory to understand how uneven development processes shaped – and continue shaping – current coastlines. We will explore key topics including coastal capitalism, delta ecologies, and climate justice via several global case studies.

Cross-listed course: GEOG 517

ENVR 531 - Sustainability Management and Leadership Strategies (3-4 Credits)

Integrated management system principles and advanced leadership strategies to create sustainable development initiatives.

ENVR 533 - Sustainability Projects Course (3 Credits)

Research, development and implementation of sustainability projects throughout the campus and community.

ENVR 534 - Water and Sanitation in Global Perspective (3 Credits)

Interdisciplinary examination of the global policy challenge of ensuring equitable access to water and sanitation services for all.

ENVR 538 - Global Food Politics (3 Credits)

Political, social, and cultural landscapes of food and farming around the world; issues of agricultural production, trade, consumption, and food security.

Cross-listed course: GEOG 538

ENVR 540 - Decolonizing the Environment: Race, Nature, Power (3 Credits)

Critical examination of the ways ideas about nature and racial difference are conceptually and materially entwined with the production of social and environmental inequalities.

ENVR 548 - Environmental Economics (3 Credits)

An analysis of the economics aspects of environmental decay, pollution control, and natural resource use. Analysis of the ability of the market system to allocate resources efficiently when economic activity is accompanied by environmental damage. Discussion of alternative public policy approaches to pollution control and natural resource conservation.
Prerequisites: ECON 221 and ECON 222, or ECON 224.

Cross-listed course: ECON 548

ENVR 571 - Conservation Biology (3 Credits)

Principles of conservation biology. Importance of biodiversity, causes of decline and extinction, and restoration and conservation policy in terrestrial and aquatic ecosystems.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 571

ENVR 572 - Freshwater Ecology (3 Credits)

Quantitative study of the population, community and evolutionary ecology of freshwater habitats (lakes, ponds, rivers, streams, wetlands). Includes mandatory fieldtrips.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 572

GEOL 101 - Introduction to the Earth (4 Credits)

Origin and nature of the earth with emphasis on internal processes and phenomena such as earthquakes, volcanoes, and mountain building; surface processes, including landform evolution. Three lectures and three laboratory hours each week.

Carolina Core: SCI

GEOL 102 - Fossils and the Evolution of Life on Earth (4 Credits)

Basic overview of fossils, including dinosaurs, and their importance for understanding earth history and the evolution of life. Three lectures and three laboratory hours each week.

GEOL 103 - Environment of the Earth (4 Credits)

Analysis of basic energy cycles of the earth. Interaction of human activity with earth processes to affect the environment. Three lectures and three laboratory hours each week. Field trips required.

Carolina Core: SCI

GEOL 110 - Cultural Geology (3 Credits)

The growth of geological concepts, scientific and non-scientific. The impact of geological factors on human affairs. The role of time and evolution (biological and physical). Restricted to non-science majors.

Carolina Core: SCI

GEOL 201 - Observing the Earth (4 Credits)

An introduction to study of the earth through observation of ancient and modern earth systems in a field setting. Field trips required.

GEOL 205 - Earth Resources (3 Credits)

Mineral, energy, and water resources with emphasis on geological processes governing their distribution. Intended for non-science majors. Three lecture hours each week with occasional field trips.

Carolina Core: SCI

GEOL 215 - Coastal Environments of the Southeastern U.S. (3 Credits)

Coastal zones of South Carolina and neighboring states, including geologic history, geomorphology, stratigraphy, hydrogeology, shoreline processes, environmental issues, and effects of man. Not available for geological science or marine science major credit. Three lecture hours each week plus optional field trips.

Carolina Core: SCI

GEOL 215L - Coastal Environments of the Southeastern U.S. (Laboratory) (1 Credit)

Exercises examining coastal ecology, geomorphology, hydrogeology, shoreline processes, environmental issues, and human impact. Not available for marine science major credit. Two laboratory hours per week. Scheduled field trips required. Prerequisite or
Corequisite: D or better in GEOL 215 or MSCI 215.

Cross-listed course: MSCI 215L

Carolina Core: SCI

GEOL 230 - Geology of the National Parks (3 Credits)

Examination of the geologic setting and scientific significance of selected National Parks. Three lecture hours.

Carolina Core: SCI

GEOL 302 - Rocks and Minerals (4 Credits)

Chemical and physical processes of mineral formation in earth systems including an overview of igneous, sedimentary, and metamorphic rock-forming processes. Includes laboratory. Field trips required.

Prerequisites: GEOL 101 or GEOL 103 or GEOL 201; CHEM 111 recommended.

GEOL 305 - Earth Systems through Time (4 Credits)

Survey of earth history, the evolution of continents and oceans, the history of life, and geological dating methods. Includes laboratory and recitation. Required field trips. Taught alternate years.

GEOL 315 - Surface and Near Surface Processes (4 Credits)

Overview of groundwater, surface water hydrology, sediment transport, river systems, and coastal processes. Includes laboratory and recitation. Required field trips.

Prerequisites: PHYS 201 or PHYS 211.

Graduation with Leadership Distinction: GLD: Research

GEOL 318 - Field Studies in Geology (1 Credit)

Directed field studies of extraordinary geological locations in North America. Requires a seven- to nine-day field trip during spring break.

Prerequisites: GEOL 101, GEOL 103, or GEOL 201 and consent of instructor.

Graduation with Leadership Distinction: GLD: Research

GEOL 325 - Stratigraphy and Sedimentary Basins (4 Credits)

Overview of sedimentary basins, sediment transport, sedimentation, depositional environments, stratigraphy, seismic stratigraphy, eustacy, and sedimentary petrology. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302.

GEOL 335 - Processes of Global Environmental Change (4 Credits)

The science of global change, its relation to the hydrosphere, atmosphere, lithosphere, and biosphere. Global system science, biogeochemical cycles, paleoclimatology, glaciation, and eustacy.

Cross-listed course: MSCI 335

GEOL 345 - Igneous and Metamorphic Processes (4 Credits)

Origin and significance of igneous and metamorphic rocks, and relation to tectonic processes. Mineralogy, geochemistry, volcanism, plate tectonics, isostasy, heat flow. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302; MATH 122 or MATH 141.

GEOL 355 - Structural Geology and Tectonics (4 Credits)

Geologic structures and deformation of Earth materials. Stress and strain, deformation mechanisms, P-T-t paths, geologic maps, and structural regimes in plate tectonics. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302; PHYS 201 or PHYS 211.

GEOL 371 - A View of the River (3 Credits)

Introduction to terrestrial and tidal river morphology and processes, with case studies of South Carolina. Field trips required.

Prerequisites: GEOL 101 or GEOL 103 or GEOL 201.

GEOL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GEOL 498 - Undergraduate Research (3 Credits)

Student research on problems of regional and fundamental significance, supervised by a faculty member of the student's choice. Emphasis is on the development of critical thinking and lucid scientific report writing.

Graduation with Leadership Distinction: GLD: Research

GEOL 499 - Undergraduate Research (3 Credits)

Student research on problems of regional and fundamental significance, supervised by a faculty member of the student's choice. Emphasis is on the development of critical thinking and lucid scientific report writing.

Graduation with Leadership Distinction: GLD: Research

GEOL 500 - Field Geology (4-6 Credits)

Geological field techniques including the use of field instruments and the preparation of geologic maps. Written and oral reports required.

Prerequisites: GEOL 325 and GEOL 355.

Graduation with Leadership Distinction: GLD: Research

GEOL 501 - Principles of Geomorphology (3 Credits)

The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution.

Prerequisites: C or better in GEOL 101.

Cross-listed course: MSCI 501

GEOL 502 - Principles of Coastal Geomorphology (4 Credits)

Geological and physical controls on the morphology, development, and stability of coastlines. Analysis of waves and erosional processes, and coastal zone morphodynamics. Several required field trips.

Prerequisite or Corequisite: MATH 122 or MATH 141.

Cross-listed course: MSCI 502

GEOL 503 - Regional Stratigraphy and Biostratigraphy of North America (3 Credits)

Sedimentologic, biostratigraphic, and tectonic history of North America, approached from paleogeographic considerations with emphasis on the Atlantic Coastal Plain and Continental Margin. Three hours lecture and three hours recitation per week. Required field trips.

GEOL 511 - Advanced Paleontology (3 Credits)

Systematic, ecologic, biogeographic, and evolutionary aspects of paleontology; lectures, practical exercises, field trips.

Prerequisites: C or better in GEOL 305.

Cross-listed course: MSCI 511

GEOL 515 - Marine Micropaleontology (4 Credits)

Marine microfossils; distribution, ecology, paleoecology, and biostratigraphy; use of microfossils in marine sediments to study oceanographic history. Three lectures and two laboratory hours per week.

Cross-listed course: MSCI 515

GEOL 516 - Sedimentology (4 Credits)

Modern concepts of sediment composition, sedimentary facies, depositional environments, and stratigraphy. Includes laboratory.

Prerequisites: GEOL 325.

GEOL 518 - Surface to Subsurface Stratigraphy (3 Credits)

Surface to subsurface stratigraphic interpretation and techniques; litho- and biostratigraphy; geophysical log interpretation and subsurface presentation.

GEOL 520 - Isotope Geology and Geochronology (3 Credits)

Dating techniques for Pleistocene deposits, sediments, archaeological materials, igneous and metamorphic rocks.

GEOL 521 - Introduction to Geochemistry (3 Credits)

Investigation of low temperature chemical reactions controlling the geochemistry of the earth's surface. Emphasis on CO₂, carbonates, oxidation-reduction, thermodynamics, isotopes, biogeochemistry.

Cross-listed course: MSCI 521

GEOL 524 - Environmental Radioisotope Geochemistry (3 Credits)

Introduction to radioactivity and the use of radionuclides to study environmental processes, including age-dating and biogeochemical cycling in aquatic systems.

Prerequisites: C or better in CHEM 111, CHEM 112 and MATH 141.

Cross-listed course: MSCI 524

GEOL 526 - Igneous Petrology (4 Credits)

Petrography and petrogenesis of igneous rocks; evolution of contrasting petrotectonic terranes. Three lectures and three laboratory hours per week.

Prerequisites: GEOL 202.

GEOL 527 - Metamorphic Petrology (4 Credits)

Petrography and petrogenesis of metamorphic rocks in orogenic belts. Three lectures and three laboratory hours per week.

Prerequisites: GEOL 202.

GEOL 531 - Plate Tectonics (3 Credits)

Geological and geophysical evidence for plate tectonics, detailed development of the plate tectonics model, and present areas of research, including measurements of plate motion using satellite geodesy.

Prerequisites: Must have passed two GEOL courses numbered 300 or above, or consent of instructor.

GEOL 537 - Field Methods in Geophysics (3 Credits)

Application of two or more geophysical field methods to a current geological problem. Independent study contract required.

GEOL 540 - Earth Science for Teachers I (3 Credits)

Survey of topics related to the origin, internal structure, and internal processes of the earth, including plate tectonics, earthquakes, volcanoes, and mountain building. Required field trips, two lectures, and three lab hours per week. Cannot be used in M.S. or Ph.D. programs in geology.

Cross-listed course: EDSE 548

GEOL 541 - Earth Science for Teachers II (3 Credits)

Surface processes acting on the earth; introduction to weather and climate, weathering, erosion, and sedimentary processes; landform evolution; ocean currents and tides, near-shore geologic processes. Required field trips, two lecture and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Prerequisites: EDSE 548/GEOL 540.

Cross-listed course: EDSE 549

GEOL 542 - Methods in Geoscience Education Research (3 Credits)

Introduction to methods used in discipline-based education research and their application to research questions in the geosciences.

Prerequisites: C or better in least one course in GEOL, ENVR, MSCI or GEOG.

GEOL 545 - Geological Oceanography (3 Credits)

A comprehensive study of the origin and development of the major structural features of the ocean basins and the continental margins. Discussion of the techniques used in obtaining geologic data and the interpretation of sedimentary processes, vulcanism, and the stratigraphy of the ocean basins.

Cross-listed course: MSCI 545

GEOL 546 - Marine Geophysics (3 Credits)

Introduction to the nature and structure of the ocean floor as revealed by geophysical techniques. Two hours lecture and three hours laboratory.

GEOL 548 - Environmental Geophysics (4 Credits)

Practical geophysical techniques for exploring the shallow subsurface. Seismic, resistivity, well log, gravity, magnetic method. Includes lectures and field exercises to collect and analyze data.

Prerequisites: MATH 141 and PHYS 201 or PHYS 211.

GEOL 550 - Sedimentary Simulations and Sequence Stratigraphy (4 Credits)

Problems of sequence stratigraphy resolved with graphic computer simulations. Sedimentary fill of basins by carbonates and/or clastics tracked as a function of rate of sediment accumulation, tectonic behavior, and sea level. Includes laboratory.

Prerequisites: GEOL 325.

Cross-listed course: MSCI 550

GEOL 553 - Marine Sediments (3 Credits)

Marine sedimentary environments; physical/biological factors which control the formation and distribution of modern marine sediments.

Prerequisites: GEOL 516.

Cross-listed course: MSCI 553

GEOL 554 - Applied Seismology (3 Credits)

Theory of seismic wave propagation. Seismic reflection data acquisition, processing, and interpretation.

Prerequisites: MATH 141; PHYS 201 or PHYS 211.

GEOL 555 - Elementary Seismology (3 Credits)

Basic elements of seismology. Mathematical development of seismic wave equations; measurement, description, and interpretation of seismic data.

Prerequisites: MATH 241.

GEOL 556 - Seismic Reflection Interpretation (3 Credits)

The interpretation of geologic structure using seismic sections. Recognition of apparent structure caused by velocity anomalies, multiples, and complex reflector geometry. Application to hydrocarbon exploration.

GEOL 557 - Coastal Processes (3 Credits)

Physical and geological processes controlling the formation and evolution of beach, barrier, and nearshore environments, including discussion of coastal management issues.

Cross-listed course: MSCI 557

GEOL 560 - Earth Resource Management (3 Credits)

An approach to problems of resource management by lecture and seminar using case studies in mineral, energy, hydrogeological, and environmental science.

Graduation with Leadership Distinction: GLD: Research

Experiential Learning: Experiential Learning Opportunity

GEOL 561 - Environmental Field Geology (6 Credits)

An introduction to field methods in sedimentology, structural geology, hydrogeology and geophysics with special reference to geological hazards and environmental problems.

GEOL 567 - Long-Term Environmental Change (3 Credits)

Climatic changes of the past and their impact on the physical landscape, with an emphasis on the Quaternary period.

Prerequisites: A 200-level course in physical geography or geology or equivalent.

Cross-listed course: GEOG 567

GEOL 568 - Introduction to Micrometeorology (3 Credits)

Small-scale processes in the atmospheric boundary layers, including energy budget, radiation, soil heat transfer, humidity, viscous flows, turbulence, momentum and heat exchanges, evaporation, and marine atmospheric boundary layer.

Prerequisites: C or better in PHYS 201 and MATH 141.

Cross-listed course: MSCI 568

GEOL 570 - Environmental Hydrogeology (3 Credits)

Environmental considerations of the hydrologic cycle, occurrence and movement of ground water, aquifer analysis, and water well emplacement and construction. Water quality, pollution parameters, and the geochemistry of selected natural systems. The effects of environmental problems, waste disposal, and urban development upon the aqueous geochemical regime.

Prerequisites: GEOL 101 and CHEM 111 or their equivalents.

GEOL 571 - Soil Hydrology (4 Credits)

Saturated and unsaturated water flow through soils, pore pressure development, runoff generation, and watershed response to rainfall. Three lecture and three laboratory hours per week.

Prerequisites: PHYS 202 and MATH 142.

GEOL 575 - Numerical Modeling for Earth Science Applications (3 Credits)

Finite difference and finite element methods for solving the diffusion equation and advection-dispersion equation, with applications in hydrogeology, geophysics, geology, and marine science.

Prerequisites: MATH 142; MATH 241 is recommended.

GEOL 579 - Air-Sea Interaction (3 Credits)

The physical mechanism responsible for interaction between the ocean and the atmosphere and the influence of air-sea interaction on atmospheric and oceanic dynamics and thermodynamics on a wide variety of spatial/temporal scales.

Cross-listed course: MSCI 579

GEOL 580 - Satellite Oceanography (3 Credits)

This course provides knowledge of various techniques used in satellite remote sensing of the oceans. Key skills will be developed in satellite data processing, image analysis, and hands-on research.

Cross-listed course: MSCI 580

GEOL 581 - Estuarine Oceanography (3 Credits)

Estuarine kinematics and dynamics; classification of estuaries; estuarine circulation and mixing. Scheduled field trips are required.

Prerequisites: MSCI 314.

Cross-listed course: MSCI 581

GEOL 582 - Marine Hydrodynamics (3 Credits)

Basic principles of fluid statics and dynamics. Conservation of mass, momentum, and energy; viscosity, vorticity, and boundary layers with examples from the marine environment. Applications to and analysis of ocean currents and waves.

Prerequisites: C or better in MATH 241 and C or better in either PHYS 201 or PHYS 211.

Cross-listed course: MSCI 582

GEOL 583 - Geology and Geochemistry of Salt Marshes (3 Credits)

Geological and geochemical processes in salt marshes. Methods of geological research in marshes, including instrumental techniques, sampling design, and data analysis. Two lectures per week plus four weekends of project-oriented fieldwork and/or equivalent lab work. Scheduled field trips are required.

Cross-listed course: MSCI 583

GEOL 600 - Senior Seminar in Geology and Geophysics (2 Credits)

Advanced research topics in geology and geophysics; critical reading of literature, technical presentations, and written reports. Senior standing.

GEOL 650 - Electron Microscopy and Microanalysis (4 Credits)

SEM, ESEM, TEM, and EMPA, WDS quantitative analysis, EDS semi-quantitative analysis, EBSD, methods of sample preparation, and applications in varieties of disciplines. Two lecture and three laboratory hours per week.

Prerequisites: CHEM 111 or equivalent.

GEOL 699 - Senior Thesis (3-6 Credits)

Senior capstone experience, research on a problem of fundamental significance, supervised by faculty member; must include field study component, written final project report, and oral presentation at departmental seminar.

MSCI 101 - The Ocean Environment (4 Credits)

Origin and evolution of the oceans, plate tectonics, ocean circulation, waves and tides, seawater and sediment composition, and influences on biology. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 102 - The Living Ocean (4 Credits)

Origin, evolution, and diversity of marine life, biological production, trophic dynamics, nutrient cycles, marine resources, and environmental concerns. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 210 - Oceans and Society (3 Credits)

A nontechnical introduction to human interactions with the marine environment: marine organisms, marine systems, and the physical and chemical characteristics of oceans and estuaries. Not available for marine science major credit.

Carolina Core: SCI

MSCI 210L - Oceans and Society Laboratory (1 Credit)

Experiments and exercises which illustrate how specific components of marine environments are structured, function, and can be measured. Two laboratory hours per week. Not available for marine science major credit. Attendance on designated field trips may be required.

Prerequisite or Corequisite: MSCI 210.

Carolina Core: SCI

MSCI 215 - Coastal Environments of the Southeastern US (3 Credits)

Coastal zones of South Carolina and neighboring states, including geologic history, geomorphology, stratigraphy, hydrogeology, shoreline processes, environmental issues, and effect of man. Not available for geological science or marine science major credit. Three lecture hours each week plus optional field trips.

Carolina Core: SCI

MSCI 215L - Coastal Environments of the Southeastern U.S. (Laboratory) (1 Credit)

Exercises examining coastal ecology, geomorphology, hydrogeology, shoreline processes, environmental issues, and human impact. Two laboratory hours per week. Scheduled field trips required. Not available for marine science major credit.

Prerequisite or Corequisite: MSCI 215 or GEOL 215.

Cross-listed course: GEOL 215L

Carolina Core: SCI

MSCI 305 - Ocean Data Analysis (3 Credits)

Instrumentation, oceanographic time series, spatial and directional data sets, and basic parametric modeling.

Prerequisites: MSCI 101 and MATH 141.

Graduation with Leadership Distinction: GLD: Research

MSCI 311 - Biology of Marine Organisms (4 Credits)

Biological concepts emphasizing adaptation to marine environments. Laboratory experiments emphasize principles and techniques of marine biological study. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: MSCI 102 or BIOL 101.

MSCI 313 - The Chemistry of the Sea (4 Credits)

Biogeochemical cycling, carbonate chemistry, climate change, hydrothermal vents, stable isotopes, trace metals, radioactive tracers, mass balance, and properties of sea water. Three lecture and three laboratory hours per week.

Prerequisites: C or better in MSCI 101, CHEM 111, CHEM 112, and MATH 141.

MSCI 314 - Physical Oceanography (4 Credits)

Properties of seawater, mass and momentum balances, circulation, mixing, waves and other processes in the marine environment.

Prerequisites: MSCI 101, MATH 141 and PHYS 201 or PHYS 211.

MSCI 335 - Processes of Global Environmental Change (4 Credits)

The science of global change, its relation to the hydrosphere, atmosphere, lithosphere, and biosphere. Global system science, biogeochemical cycles, paleoclimatology, glaciation, and eustasy.

Cross-listed course: GEOL 335

MSCI 375 - The Deep Sea (3 Credits)

The Deep Sea is an interdisciplinary, scientific survey of the geology, biology, chemistry, and physical setting of the deep-sea (more than 1000 m depth).

MSCI 390 - Policy and Marine Science (3 Credits)

Analysis of past and current issues in global and national marine policy. Relationship between science and policymakers.

MSCI 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MSCI 450 - Principles of Biological Oceanography (3 Credits)

Principles and methods of measuring production in the sea. Emphasis on the ocean's role in the global carbon budget. Three lecture hours per week. Scheduled field trips are required.

Prerequisites: MSCI 311, BIOL 301.

Cross-listed course: BIOL 450

MSCI 460 - Field and Laboratory Investigations in Marine Science (1-4 Credits)

Intensive inquiry-based investigations combining oceanographic field sampling with laboratory measurements of collected samples using modern analytical instrumentation, and with analysis and integration of data into a final research report. Most of the course is conducted in residence at a marine field site.

Prerequisites: C or better in MSCI 101 and MSCI 102 or C or better in BIOL 101 and 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

MSCI 495 - Internship in Marine Science (0-6 Credits)

Internship experience that offers practical field or laboratory experience in oceanography and/or related marine sciences. Course content varies and will be announced by title in schedule of courses. Usually conducted off campus and student must be able to access internship on their own.

Prerequisites: C or better in MSCI 311, MSCI 313 and MSCI 314.

MSCI 496 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 497 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 498 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 499 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 501 - Principles of Geomorphology (3 Credits)

The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution.

Prerequisites: C or better in GEOL 101.

Cross-listed course: GEOL 501

MSCI 502 - Principles of Coastal Geomorphology (4 Credits)

Geological and physical controls on the morphology, development, and stability of coastlines. Analysis of waves and erosional processes, and coastal zone morphodynamics. Several required field trips.

Prerequisite or Corequisite: MATH 122 or MATH 141.

Cross-listed course: GEOL 502

MSCI 503 - Environmental Microbiology (3 Credits)

An overview of the microbial world including a survey of the distribution, functioning, and diversity of microorganisms in natural systems.

Discusses the crucial roles that microorganisms play in ecosystem function, biogeochemical cycles, and environmental quality.

Prerequisites: MSCI 102 or BIOL 102, CHEM 112.

Cross-listed course: BIOL 502

MSCI 505 - Senior Seminar (1 Credit)

CL: 2020.

MSCI 509 - MATLAB-Based Data Analysis in Ocean Sciences (3 Credits)

MATLAB-based course in processing, analysis, and visualization of large oceanographic data sets. Includes scalar and vector time series measured at fixed locations as well as shipboard surveys of oceanographic characteristics varying both in 3-D and in time. Methods and techniques are relevant to other geoscience disciplines.

Prerequisites: MATH 141.

MSCI 510 - Invertebrate Zoology (4 Credits)

Phylogenetic and comparative aspects of anatomy, physiology, reproduction, and embryology of the invertebrates. Three lecture and one three-hour laboratory period per week.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 510

Graduation with Leadership Distinction: GLD: Research

MSCI 511 - Advanced Paleontology (3 Credits)

Systematic, ecologic, biogeographic, and evolutionary aspects of paleontology; lectures, practical exercises, field trips.

Prerequisites: C or better in GEOL 305.

Cross-listed course: GEOL 511

MSCI 515 - Marine Micropaleontology (4 Credits)

Marine microfossils; distribution, ecology, paleoecology, and biostratigraphy; use of microfossils in marine sediments to study oceanographic history. Three lectures and two laboratory hours per week.

Cross-listed course: GEOL 515

MSCI 521 - Introduction to Geochemistry (3 Credits)

Investigation of low temperature chemical reactions controlling the geochemistry of the earth's surface. Emphasis on CO₂, carbonates, oxidation reduction, thermodynamics, isotopes, biogeochemistry.

Cross-listed course: GEOL 521

MSCI 524 - Environmental Radioisotope Geochemistry (3 Credits)

Introduction to radioactivity and the use of radionuclides to study environmental processes, including age-dating and biogeochemical cycling in aquatic systems.

Prerequisites: C or better in CHEM 111, CHEM 112, and MATH 141.

Cross-listed course: GEOL 524

MSCI 525 - Marine Plants (4 Credits)

Diversity, distribution, physiology, ecology, evolution, and economic importance of marine algal, seagrass, and mangrove communities. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 525

MSCI 535 - Fishery Management (3 Credits)

Management and conservation of aquatic and marine resources, with emphasis on fisheries. Data procurement and analysis; commercial and recreational fisheries; sociological, political, legal, and environmental factors that affect fishery management; and fish biodiversity.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 535

MSCI 536 - Ichthyology (4 Credits)

Phylogeny, morphology, behavior, and ecology of fishes. Three lecture and 3 laboratory hours plus three field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 536

Graduation with Leadership Distinction: GLD: Research

MSCI 537 - Aquaculture (3 Credits)

Introduction to the practical and scientific aspects of the commercial culture of freshwater and marine organisms. Three lecture hours per week. One all-day field trip required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 537

MSCI 538 - Behavior of Marine Organisms (4 Credits)

The identification of behavioral adaptations of estuarine and marine organisms: their ecology, physiology, development, and evolutionary history; field observations.

Prerequisites: BIOL 101 and BIOL 102 or MSCI 311.

Cross-listed course: BIOL 538

Graduation with Leadership Distinction: GLD: Research

MSCI 545 - Geological Oceanography (3 Credits)

A comprehensive study of the origin and development of the major structural features of the ocean basins and the continental margins. Discussion of the techniques used in obtaining geologic data and the interpretation of sedimentary processes, vulcanism, and the stratigraphy of the ocean basins.

Cross-listed course: GEOL 545

MSCI 550 - Sedimentary Simulations and Sequence Stratigraphy (4 Credits)

Problems of sequence stratigraphy resolved with graphic computer simulations. Sedimentary fill of basins by carbonates and/or clastics tracked as a function of rate of sediment accumulation, tectonic behavior and sea level. Includes laboratory.

Prerequisites: GEOL 301.

Cross-listed course: GEOL 550

MSCI 552 - Population Genetics (3 Credits)

An introduction to the principles of population genetics, with emphasis on the origin, maintenance, and significance of genetic variation in natural populations.

Prerequisites: C or better in BIOL 301 or MSCI 311.

Cross-listed course: BIOL 552

Graduation with Leadership Distinction: GLD: Research

MSCI 553 - Marine Sediments (3 Credits)

Marine sedimentary environments; physical/biological factors which control the formation and distribution of modern marine sediments.

Prerequisites: GEOL 516.

Cross-listed course: GEOL 553

MSCI 555 - Conservation and Health in Marine Systems (3 Credits)

Introduces the field of conservation and explores the intersection between conservation and environmental health with a particular focus on coastal and marine case studies.

MSCI 557 - Coastal Processes (3 Credits)

Physical and geological processes controlling the formation and evolution of beach, barrier, and nearshore environments, including discussion of coastal management issues.

Cross-listed course: GEOL 557

MSCI 566 - Ecosystem Analysis (3 Credits)

The formulation and simulation of compartment models of marine and terrestrial ecosystems with complex nutrient cycling, food chains, and energy flow. Analog and digital simulation techniques. Ecosystem stability and sensitivity. Organization, structure, and diversity of an ecosystem.

MSCI 568 - Introduction to Micrometeorology (3 Credits)

Small-scale processes in the atmospheric boundary layers, including energy budget, radiation, soil heat transfer, humidity, viscous flows, turbulence, momentum and heat exchanges, evaporation, and marine atmospheric boundary layer.

Prerequisites: C or better in PHYS 201 and MATH 141.

Cross-listed course: GEOL 568

MSCI 574 - Marine Conservation Biology (3 Credits)

Exploration of how human activities affect marine natural populations, species, communities and ecosystems, including threats to biodiversity; approaches to marine conservation; and ecological and evolutionary responses to anthropogenic disturbance.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 574

MSCI 575 - Marine Ecology (3 Credits)

Structure, dynamics, and interactions between populations and communities in marine ecosystems. Attendance at designated departmental seminars is required. Three lecture hours per week.

Prerequisites: CHEM 111 and BIOL 301 or MSCI 311.

Cross-listed course: BIOL 575

MSCI 575L - Marine Ecology Laboratory (1 Credit)

Laboratory and field exercises in coastal environments. Three hours per week plus field trips.

Prerequisite or Corequisite: MSCI 575.

Cross-listed course: BIOL 575L

MSCI 576 - Marine Fisheries Ecology (3 Credits)

Interdisciplinary examination of the distribution, reproduction, survival, and historical variation of the principal commercial marine fisheries.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 576

MSCI 577 - Ecology of Coral Reefs (4 Credits)

Structure, productivity, and biodiversity of coral reefs, emphasizing their sensitivity, stability, and sustainability. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 577

MSCI 578 - Physiological and Pollution Ecology of Marine Organisms (3 Credits)

Functional adaptation of marine plants and animals to ecological stresses including pollution. Three lecture hours per week.

Prerequisites: MSCI 311 or equivalent.

MSCI 579 - Air-Sea Interaction (3 Credits)

The physical mechanism responsible for interaction between the ocean and the atmosphere and the influence of air-sea interaction on atmospheric and oceanic dynamics and thermodynamics on a wide variety of spatial/temporal scales.

Cross-listed course: GEOL 579

MSCI 580 - Satellite Oceanography (3 Credits)

This course provides knowledge of various techniques used in satellite remote sensing of the oceans. Key skills will be developed in satellite data processing, image analysis, and hands-on research.

Cross-listed course: GEOL 580

MSCI 581 - Estuarine Oceanography (3 Credits)

Estuarine kinematics and dynamics; classification of estuaries; estuarine circulation and mixing. Scheduled field trips are required.

Prerequisites: MSCI 314.

Cross-listed course: GEOL 581

MSCI 582 - Marine Hydrodynamics (3 Credits)

Basic principles of fluid statics and dynamics. Conservation of mass, momentum, and energy; viscosity, vorticity, and boundary layers with examples from the marine environment. Applications to and analysis of ocean currents and waves.

Prerequisites: C or better in MATH 241 and C or better in either PHYS 201 or PHYS 211.

Cross-listed course: GEOL 582

MSCI 583 - Geology and Geochemistry of Salt Marshes (3 Credits)

Geological and geochemical processes in salt marshes. Methods of geological research in marshes including instrumental techniques, sampling design, and data analysis. Two lectures per week plus four weekends of project oriented fieldwork and/or equivalent lab work. Scheduled field trips are required.

Cross-listed course: GEOL 583

MSCI 585 - Coastal Tropical Oceanography (4 Credits)

Descriptive oceanography of mangrove and coral reef coasts with emphasis on physical processes. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: MSCI 312.

MSCI 590 - Beach-Dune Interactions (3 Credits)

Influence of wind on coastal systems, with emphasis on nearshore currents, sediment transport and bedforms, aeolian transport, and dunes. Minimum Junior standing required.

Cross-listed course: GEOG 590

MSCI 599 - Topics in Marine Science (1-3 Credits)

Current developments in marine science selected to meet faculty and student interests. Course content varies and will be announced by title in schedule of courses.

MSCI 624 - Aquatic Chemistry (3 Credits)

Study of the chemical reactions and processes affecting the distribution of chemical species in natural systems. Three lecture hours per week.

Prerequisite or Corequisite: CHEM 321, MATH 142.

Cross-listed course: CHEM 624

MSCI 627 - Marine Phytoplankton (3 Credits)

Examines the physiology and ecology of phytoplankton, including environmental controls on community composition, primary productivity, and detection and characterization of water quality (eutrophication) and harmful algal blooms.

Prerequisites: MSCI 102 or MSCI 450 or BIOL 450.

Cross-listed course: BIOL 627

Environmental Science, B.S.

Learning Outcomes

- Students will demonstrate their knowledge of fundamental concepts in environmental sciences in ENVR 201 and ENVR 202.
- When presented with a scientific question or hypothesis, students will be able to form an appropriate research plan and identify sources of error in resulting data or analyses.

- Students will demonstrate strong analytical writing skills.
- Students will demonstrate strong oral communication skills.

Admission, Progression and Transfer Standards

1. Any student applying for transfer to the environmental science major from other programs within the University, or from accredited colleges and universities, is required to have a minimum grade point average of 2.80 on a 4.00 scale.
2. Environmental Science majors may enroll in an environmental science course a maximum of two times to earn the required grade of **C** or higher. For the purposes of this standard of progression, withdrawal with a **W** does not constitute enrollment.

Special Opportunities

The major endorses the use of independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must submit a completed independent study contract which has been approved by the major advisor and the Director of Undergraduate Studies. (No student may apply more than 6 hours of independent study credits toward the degree). A grade-point average of 2.5 or greater is required to enroll in independent study courses.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (128 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-18
3. Program Requirements	28-45
4. Major Requirements	34-46

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101*
- ENGL 102*

ARP – Analytical Reasoning and Problem Solving (8 hours)

- MATH 141* *must be passed with a grade of C or higher*
- MATH 142*

SCI – Scientific Literacy (8 hours)

- BIOL 101* & BIOL 101L* or MSCI 101*
- BIOL 102* & BIOL 102L* or MSCI 102*

Note: Must take either both BIOL or both MSCI.

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- POLI 201*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- fulfilled through POLI 201*, an overlay course with GSS, or may be filled by any overlay or stand-alone CC-VSR course

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Course	Title	Credits
STAT 515	Statistical Methods I (or higher *)	3
Select one of the following:		3
CSCE 102	General Applications Programming (*)	
or a higher level CSCE course		
MSCI 305	Ocean Data Analysis	
MSCI 509	MATLAB-Based Data Analysis in Ocean Sciences	
Total Credit Hours		6

Note: Courses used to fulfill the College requirements may not also be used to fulfill other degree requirements.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science (3 hours)

The College of Arts and Sciences requires one 3-hour Social Science course.

Course	Title	Credits
Select one of the following:		3
ECON 221	Principles of Microeconomics (*)	
ECON 223	Introduction to Economics (*)	

ECON 224	Introduction to Economics (*)	
Total Credit Hours		3

Fine Arts or Humanities (3 hours)

A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine-Arts/Humanities course.

Course	Title	Credits
Select one of the following:		3
ENVR 322	Environmental Ethics (*)	
PHIL 312	Classical Origins of Western Medical Ethics (*)	
PHIL 320	Ethics (*)	
PHIL 321	Medical Ethics (*)	
PHIL 322	Environmental Ethics (*)	
PHIL 323	Ethics of Science and Technology (*)	
PHIL 324	Business Ethics (*)	
PHIL 325	Engineering Ethics (*)	
PHIL 360	History and Philosophy of Science (*)	
PHIL 514	Ethical Theory (*)	
PHIL 550	Health Care Ethics (*)	
Total Credit Hours		3

3. Program Requirements (28-45 hours)

Supporting Courses (27 hours)

Course	Title	Credits
Select one of the following:		8
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab (*)	
and		
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab (*)	
or		
CHEM 141 & 142	Principles of Chemistry I and Principles of Chemistry II (*)	
Select one of the following:		4
GEOL 101	Introduction to the Earth (*)	
GEOL 201	Observing the Earth (*)	
GEOG 201	Landform Geography (*)	
Select one of the following:		4
PHYS 201 & 201L	General Physics I and General Physics Laboratory I (*)	
PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab (*)	
Select one of the following:		3
ENVR 548	Environmental Economics (*)	
POLI 477	Green Politics (*)	
POLI 478	Environmental Policy (*)	
ENVR 201	Environmental Science and Policy I (*) ^{1,2}	4
ENVR 202	Environmental Science and Policy II (*) ^{1,2}	4
Total Credit Hours		27

¹ Pre-major course that must be completed before taking major courses.

² Must be passed with a grade of C or higher.

Cognate or Minor (0-18 hours) *optional*

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (1-18 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (34-36 hours)

A minimum grade of C is required in all major courses.

Major Courses (17-18 hours)

All majors must complete at least 34-36 hours of approved courses which must include the core requirements of 17-18 hours. Majors must complete 17-18 additional hours in major elective courses to bring them to the required 34-36 hours total. Students are required to develop a program of study in consultation with their advisor. A minimum grade of C is required for all courses used to fulfill major requirements. Any modifications to the program of study require the approval of the Director of Undergraduate Studies.

Course	Title	Credits
BIOL 301 & 301L	Ecology and Evolution and Ecology and Evolution Laboratory	4
ENVR 480	Environmental Issues Seminar	3
Select three of the following:		10-11
ECIV 350	Introduction to Environmental Engineering	
ENHS 660	Concepts of Environmental Health Science	
GEOG 202	Weather and Climate	
GEOL 315	Surface and Near Surface Processes	
Total Credit Hours		17-18

Major Electives (17-18 hours)

Students, in consultation with their assigned advisor, must develop a program of study which either provides a broad set environmental science courses or allows students to focus in a defined area. Given the current course offerings and faculty expertise at the University, if a student wanted to focus their elective course work, possible areas

include: Natural Systems, Climate and Weather, Water Resources, Energy, or Humans and the Environment. All Students' selective courses should include at least 6 hours taken at the 400 level or above. All courses may be selected from ENVR designator classes, but if not ENVR classes, then no more than 3 should be from a single discipline and no more than one Research Methods course.

Courses Acceptable for Major Credit

Course	Title	Credits
From the Environment and Sustainability Program		
ENVR 231	Introduction to Sustainability Management and Leadership	3-4
ENVR 321	Environmental Pollution and Health	3
ENVR 323	Global Environmental Health	3
ENVR 331	Integrating Sustainability	3
ENVR 348	Environmental Racism and Justice	3
ENVR 352	Energy, Society and Sustainability	3
ENVR 399	Independent Study	1-6
ENVR 460	Congaree National Park: Field Investigations in Environmental Science	4
ENVR 490	Special Topics in Sustainability and the Environment	1-4
ENVR 499	Research in Environmental Science	1-3
ENVR 500	Environmental Practicum	3
ENVR 501	Special Topics in the Environment	3
ENVR 531	Sustainability Management and Leadership Strategies	3-4
ENVR 533	Sustainability Projects Course	3
ENVR 548	Environmental Economics	3
ENVR 571	Conservation Biology	3
ENVR 572	Freshwater Ecology	3
From the Life Sciences		
BIOL 302	Cell and Molecular Biology	3
BIOL 302L	Cell and Molecular Biology Laboratory	1
BIOL 303	Fundamental Genetics	3
BIOL 420	Survey of the Plant Kingdom	3
BIOL 420L	Survey of the Plant Kingdom Laboratory	1
BIOL 460	Advanced Human Physiology	3
BIOL 541	Biochemistry	3
BIOL 541L	Biochemistry Laboratory	1
BIOL 549	Plant Physiology	4
BIOL 570	Principles of Ecology	3
BIOL 570L	Principles of Ecology Laboratory	1
BIOL 571	Conservation Biology	3
BIOL 572	Freshwater Ecology	3
BIOL 574	Marine Conservation Biology	3
BIOL 640	Microbial Ecology	3
BIOL 654	Speciation	3
BIOL 671	Plant Responses to the Environment	3
Other BIOL courses may be selected as approved by student's advisor		
CHEM 321	Quantitative Analysis	3
CHEM 321L	Quantitative Analysis Laboratory	1
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1

CHEM 332L	Essentials of Organic Chemistry Laboratory II	1	GEOG 554	Spatial Programming	3
CHEM 333	Organic Chemistry I	3	GEOG 562	Satellite Mapping and the Global Positioning System	3
CHEM 333L	Comprehensive Organic Chemistry Laboratory I	2	GEOG 563	Advanced Geographic Information Systems	3
CHEM 334	Organic Chemistry II	3	GEOG 564	GIS-Based Modeling	3
CHEM 334L	Comprehensive Organic Chemistry Laboratory II	2	GEOG 567	Long-Term Environmental Change	3
CHEM 623	Introductory Environmental Chemistry	3	GEOG 568	Human Dimensions of Global Environmental Change	3
CHEM 624	Aquatic Chemistry	3	GEOG 569	International Development and the Environment	3
From the Earth and Marine Sciences			GEOG 570	Geography of Public Land and Water Policy	3
GEOL 302	Rocks and Minerals	4	GEOG 571	Microclimatology	4
GEOL 305	Earth Systems through Time	4	GEOG 573	Climatic Change and Variability	3
GEOL 315	Surface and Near Surface Processes	4	GEOG 575	Digital Techniques and Applications in Remote Sensing	3
GEOL 335	Processes of Global Environmental Change	4	Other GEOG courses may be selected as approved by the student's advisor		
GEOL 371	A View of the River	3	From Mathematics, Statistics, and Engineering		
GEOG 516	Coastal Zone Management	3	CSCE 206	Scientific Applications Programming	3
GEOL 524	Environmental Radioisotope Geochemistry	3	CSCE 567	Visualization Tools	3
GEOL 548	Environmental Geophysics	4	ECHE 300	Chemical Process Principles	3
GEOL 557	Coastal Processes	3	ECHE 310	Introductory Chemical Engineering Thermodynamics	3
GEOL 560	Earth Resource Management	3	ECHE 311	Chemical Engineering Thermodynamics	3
GEOL 570	Environmental Hydrogeology	3	ECHE 567	Process Safety, Health and Loss Prevention	3
GEOL 571	Soil Hydrology	4	ECHE 573	Next Energy	3
GEOL 575	Numerical Modeling for Earth Science Applications	3	ECHE 589	Special Advanced Topics in Chemical Engineering	3
GEOL 581	Estuarine Oceanography	3	ECIV 350	Introduction to Environmental Engineering	3
Other GEOL courses may be selected as approved by student's advisor			ECIV 350L	Introduction to Environmental Engineering Laboratory	1
MSCI 305	Ocean Data Analysis	3	ECIV 362	Introduction to Water Resources Engineering	3
MSCI 311	Biology of Marine Organisms	4	ECIV 405	System Applications in Civil Engineering	3
MSCI 313	The Chemistry of the Sea	4	ECIV 551	Elements of Water and Wastewater Treatment	3
MSCI 450	Principles of Biological Oceanography	3	ECIV 555	Principles of Municipal Solid Waste Engineering	3
MSCI 521	Introduction to Geochemistry	3	ECIV 556	Air Pollution Control Engineering	3
MSCI 537	Aquaculture	3	ECIV 557	Sustainable Construction for Engineers	3
MSCI 552	Population Genetics	3	ECIV 558	Environmental Engineering Process Modeling	3
MSCI 566	Ecosystem Analysis	3	ECIV 560	Open Channel Hydraulics	3
MSCI 575	Marine Ecology	3	ECIV 562	Engineering Hydrology	3
MSCI 579	Air-Sea Interaction	3	ECIV 563	Subsurface Hydrology	3
MSCI 582	Marine Hydrodynamics	3	ECIV 570	Land Development for Engineers	3
From Geography			EMCH 290	Thermodynamics	3
GEOG 202	Weather and Climate	4	EMCH 529	Sustainable Design and Development	3
GEOG 343	Environment and Society	3	EMCH 553	Nuclear Fuel Cycles	3
GEOG 346	Climate and Society	3	EMCH 592	Introduction to Combustion	3
GEOG 347	Water as a Resource	3	EMCH 594	Solar Heating	3
GEOG 348	Biogeography	3	EMCH 597	Thermal Environmental Engineering	3
GEOG 349	Cartographic Animation	3	ENCP 290	Thermodynamic Fundamentals	3
GEOG 360	Geography of Wind	3	ENCP 540	Environmentally Conscious Manufacturing	3
GEOG 363	Geographic Information Systems	3	MATH 241	Vector Calculus	3
GEOG 365	Hurricanes and Tropical Climatology	3	MATH 242	Elementary Differential Equations	3
GEOG 371	Air Pollution Climatology	3	MATH 523	Mathematical Modeling of Population Biology	3
GEOG 530	Environmental Hazards	3	STAT 516	Statistical Methods II	3
GEOG 545	Synoptic Meteorology	4	STAT 518	Nonparametric Statistical Methods	3
GEOG 546	Applied Climatology	4			
GEOG 547	Fluvial Geomorphology	3			
GEOG 549	Water and Watersheds	3			
GEOG 551	Principles of Remote Sensing	3			

STAT 520	Forecasting and Time Series	3
STAT 528	Environmental Statistics	3
STAT 540	Computing in Statistics	3

From the Health Sciences

ENHS 321	Environmental Pollution and Health	3
ENHS 660	Concepts of Environmental Health Science	3
ENHS 665	Biofilms in Environmental Health and Disease	3
ENHS 670	Environmental Pollutants and Human Health	3

Research Methods Courses

Not required, but if selected, only one of these three may be taken for credit towards the major.

Course	Title	Credits
CSCE 145	Algorithmic Design I	4
ECIV 111	Introduction to Engineering Graphics and Visualization	3
EMCH 111	Introduction to Computer-Aided Design	3

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Environmental Science, B.S.

Environmental Studies Minor

The minor in Environmental Studies consists of a minimum of 18 hours. Four courses (12-13 hours) make up the required core. The remaining hours (six) must come from the approved course list. Students wishing to enter the Environmental Studies minor must first complete ENVR 101 and ENVR 101L as a prerequisite. A course in Statistics (STAT 110 or equivalent) is strongly recommended. All prerequisite courses may be used to meet general education requirements, if applicable. Students enrolled in the College of Arts and Sciences and College of Engineering and Computing must choose their remaining hours from the courses listed below specifically for them. Students enrolled in other colleges should choose their remaining hours from the courses listed specifically for them. No courses will be allowed to count for both the minor in Environmental Studies and the student's major. South Carolina Honors College students are encouraged to pursue this course of study, but Honors Pro-seminars in environmentally related subjects used for credit toward the major must be approved by the Environment and Sustainability Undergraduate Committee.

A student may pursue a minor in Environmental Studies with the academic advisor's approval. The student must declare the selection of the minor in the office of the student's major academic dean.

Minor Requirements

Prerequisite

Course	Title	Credits
Select one of the following:		
ENVR 101 & 101L	Introduction to the Environment and Introduction to the Environment Lab	
A score of 3 or better on the AP Environmental Science exam.		

Core Requirements (12-13 Hours)

Course	Title	Credits
Select one course from each group:		
12-13		
Group A:		
ENVR 321	Environmental Pollution and Health	
GEOG 343	Environment and Society	
Group B:		
GEOG 215	Coastal Environments of the Southeastern U.S.	
GEOG 205	Earth Resources	
Group C:		
POLI 477	Green Politics	
POLI 478	Environmental Policy	
PHIL 322	Environmental Ethics	
Group D:		
ECON 224	Introduction to Economics	
ENVR 548	Environmental Economics	
ECON 500	Urban Economics	
ECON 508	Law and Economics	
Total Credit Hours		12-13

Additional Requirements Selected from List of Approved Courses (6 Hours)

College of Arts and Sciences (B.S. degrees) or College of Engineering and Computing Majors

Selectives for students pursuing a Bachelor of Science degree in the College of Arts and Sciences or College of Engineering and Computing:

Course	Title	Credits
ANTH 565	Health and Disease in the Past	3
ENVR 399	Independent Study	1-6
GEOG 346	Climate and Society	3
GEOG 347	Water as a Resource	3
GEOG 360	Geography of Wind	3
GEOG 516	Coastal Zone Management	3
GEOG 530	Environmental Hazards	3
GEOG 566	Social Aspects of Environmental Planning and Management	3
GEOG 568	Human Dimensions of Global Environmental Change	3
GEOG 569	International Development and the Environment	3
GERM 295	Green Technology in Germany	3
HIST 448	American Environmental History	3
JOUR 507	Health Communication: The Science and Practice	3
POLI 368	Interest Groups and Social Movements	3
POLI 380	Comparative Politics of Developing Countries	3

POLI 421	Law and Contemporary International Problems	3
POLI 431	Science, Technology, and Public Policy	3
SOCY 315	Global Population Issues	3

College of Arts and Sciences (B.A. degrees) and all other Schools and Colleges

Selectives for students pursuing a Bachelor of Arts degree in the College of Arts and Sciences and all other majors except those in the College of Engineering and Computing:

Course	Title	Credits
BIOL 301	Ecology and Evolution	3
BIOL 570	Principles of Ecology	3
CHEM 321	Quantitative Analysis	3
ENVR 399	Independent Study	1-6
GEOG 346	Climate and Society	3
GEOG 360	Geography of Wind	3
GEOG 347	Water as a Resource	3
GEOG 371	Air Pollution Climatology	3
GEOG 560	Source Materials for Geographic Instruction	3
GEOG 561	Contemporary Issues in Geography Education	3
GEOG 570	Geography of Public Land and Water Policy	3
MSCI 390	Policy and Marine Science	3
ECIV 350	Introduction to Environmental Engineering	3
ECIV 551	Elements of Water and Wastewater Treatment	3
ENCP 540	Environmentally Conscious Manufacturing	3
ENHS 660	Concepts of Environmental Health Science	3
STAT 519	Sampling	3

Environmental Studies, B.A.

Learning Outcomes

- Students will demonstrate their knowledge of fundamental concepts in environmental studies.
- Students will be able to utilize information from more than one discipline related to environmental studies, and be able to synthesize that information to analyze interdisciplinary environmental problems.
- Students will demonstrate effective writing skills.
- Students will demonstrate effective oral communication skills.

Admission, Progression and Transfer Standards

Environmental Studies majors may enroll in a course for major credit a maximum of twice to earn the required grade of **C** or higher. For the purposes of this standard of progression, withdrawal with a **W** does not constitute enrollment.

Special Opportunities

The major endorses the use of independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must submit a completed independent study contract which has been approved by their major advisor and the Director of Undergraduate Studies. No student may apply more than 6 hours of independent study credits toward the degree. A

grade-point average of 2.50 or greater is required to enroll in independent study courses

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	21-37
4. Major Requirements	36-37

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher and completed in the first 60 hours

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

SCI – Scientific Literacy (8 hours)

Select two from the following:

- BIOL 101* & BIOL 101L* or MSCI 102*
- BIOL 102* & BIOL 102L*
- CHEM 111* & CHEM 111L*
- GEOL 101*
- GEOL 103*
- MSCI 101*
- MSCI 210* & MSCI 210L
- PHYS 201* & PHYS 201L* or PHYS 211* & PHYS 211L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina

Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (21-37 hours)

Supporting Courses (4 hours)

Course	Title	Credits
Select one additional science from the following:		
BIOL 101 & 101L or MSCI 102	Biological Principles I and Biological Principles I Laboratory (*) The Living Ocean	4
BIOL 102 & 102L or MSCI 311	Biological Principles II and Biological Principles II Laboratory (*) Biology of Marine Organisms	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab (*)	
ENVR 101 & 101L	Introduction to the Environment and Introduction to the Environment Lab (*)	
GEOL 101	Introduction to the Earth (*)	
GEOL 103	Environment of the Earth (*)	
GEOG 201	Landform Geography (*)	
MSCI 101	The Ocean Environment (*)	
MSCI 210 & 210L	Oceans and Society and Oceans and Society Laboratory (*)	

PHYS 201 & 201L	General Physics I and General Physics Laboratory I (*)	
PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab	
Total Credit Hours		4

Note: BIOL 301 is required for MSCI 311

Cognate or Minor (0-18 hours) *Optional*

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (17-33 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (36-37 hours)

a minimum grade of C is required in all major courses

Major Courses (27 hours)

All majors must complete at least 36-37 hours of approved courses, including the core requirements of 27 hours. Majors must complete enough additional hours from the selected courses to bring them to the required 36-37 hours total. Students are required to develop a program of study in consultation with their advisor. A minimum grade of C is required for all courses used to fulfill major requirements.

Please see current University of South Carolina undergraduate course catalog for information about prerequisites required to enroll in many of these courses.

Course	Title	Credits
ENVR 201	Environmental Science and Policy I	4
ENVR 202	Environmental Science and Policy II	4
ENVR 480	Environmental Issues Seminar	3
Environmental and Society- Select two from the following:		6
ENVR/ENHS 321	Environmental Pollution and Health	

ENVR/PHIL 322	Environmental Ethics	
ENVR 331	Integrating Sustainability	
ENVR/ANTH 342	Environmental Anthropology: Cross-cultural Perspectives on Environmental Change	
ENVR 348	Environmental Racism and Justice	
ENVR 352	Energy, Society and Sustainability	
ENVR 540	Decolonizing the Environment: Race, Nature, Power	
ENVR 548	Environmental Economics	
ENVR/GEOG 538	Global Food Politics	
HIST 360	Into the Wild: Global Conservation since 1800	
HIST 448	American Environmental History	
POLI 478	Environmental Policy	
MSCI 390	Policy and Marine Science	
ENGL 434	Environmental Literature	
GEOG 321	Sustainable Cities	
GEOG 343	Environment and Society	
GEOG 347	Water as a Resource	
GEOL 560	Earth Resource Management	
ANTH 525	Ethnoecology	
Laboratory Science-Select one of the following:		4
BIOL 301 & 301L	Ecology and Evolution and Ecology and Evolution Laboratory (Advising note: BIOL/MSCI prerequisites)	
GEOL/MSCI 335	Processes of Global Environmental Change	
GEOL 315	Surface and Near Surface Processes (Advising note: PHYS prerequisite)	
GEOG 202	Weather and Climate	
Skills-Select one of the following		3-4
ENVR 460	Congaree National Park: Field Investigations in Environmental Science	
GEOG 363	Geographic Information Systems	
GEOG 551	Principles of Remote Sensing	
JOUR 507	Health Communication: The Science and Practice	
MART 371	The Moving Image (Advising note: this course has prerequisites which should be taken as AIU classes)	
POLI 475	Survey Research	
SOCY 391	Sociological Research Methods	
Total Credit Hours		24-25

Major Electives (minimum 12 hours)

Students, in consultation with their advisor, will develop a program of study to meet their educational goals in environmental studies courses.

- Students should select four courses from the list of major courses.
 - At least six hours must be at 400-level or above.
 - At least six hours must have an ENVR designator above ENVR 230.

Note: The six hours of 400-level or above credit and the six hours of ENVR 230+ credit may overlap, as long as a total of 12 credit hours are completed.

Course	Title	Credits
Select four courses from the following (in consultation with advisor): 12		
ENVR 231	Introduction to Sustainability Management and Leadership	
ENVR 295	Green Technology in Germany	
ENVR/ENHS 321	Environmental Pollution and Health	
ENVR/PHIL 322	Environmental Ethics	
ENVR/ENHS 323	Global Environmental Health	
ENVR 331	Integrating Sustainability	
ENVR/ANTH 342	Environmental Anthropology: Cross-cultural Perspectives on Environmental Change	
ENVR 348	Environmental Racism and Justice	
ENVR 352	Energy, Society and Sustainability	
ENVR 399	Independent Study	
ENVR 460	Congaree National Park: Field Investigations in Environmental Science	
ENVR 490	Special Topics in Sustainability and the Environment	
ENVR 499	Research in Environmental Science	
ENVR 500	Environmental Practicum	
ENVR 501	Special Topics in the Environment	
ENVR 533	Sustainability Projects Course	
ENVR 538	Global Food Politics	
ENVR 540	Decolonizing the Environment: Race, Nature, Power	
ENVR/ECON 548	Environmental Economics	
ENVR/BIOL 571	Conservation Biology	
ENVR/BIOL 572	Freshwater Ecology	
AFAM/ENVR 348	Environmental Racism and Justice	
ANTH 208	Anthropology of Globalization and Development	
ANTH 212	Food and Culture	
ANTH 213	Ethnobotany: Plants and Peoples	
ANTH 513	Anthropological Ethnobotany	
ANTH 525	Ethnoecology	
ANTH 569	International Development and the Environment	
BIOL 301	Ecology and Evolution	
BIOL 525	Marine Plants	
BIOL 526	The Fall Flora	
BIOL 527	The Spring Flora	
BIOL 528	The Summer Flora	
BIOL 534	Animal Behavior	
BIOL 570	Principles of Ecology	
BIOL/ENVR 571	Conservation Biology	

BIOL/ENVR 572	Freshwater Ecology
ECHE 573	Next Energy
ECON 500	Urban Economics
ECON 508	Law and Economics
ECON 509	Economics of Sustainable Development
ECON 548	Environmental Economics
ECON 594	Introduction to Econometrics
ENGL 434	Environmental Literature
ENGL 462	Technical Writing
ENHS/ENVR 321	Environmental Pollution and Health
ENHS 592	Advanced Special Topics in Environmental Health
ENHS 660	Concepts of Environmental Health Science
ENHS 665	Biofilms in Environmental Health and Disease
ENHS 670	Environmental Pollutants and Human Health
GEOG 202	Weather and Climate
GEOG 313	Economic Geography
GEOG 321	Sustainable Cities
GEOG 330	The Geography of Disasters
GEOG 343	Environment and Society
GEOG 345	Interpretation of Aerial Photographs
GEOG 346	Climate and Society
GEOG 347	Water as a Resource
GEOG 348	Biogeography
GEOG 360	Geography of Wind
GEOG 363	Geographic Information Systems
GEOG 365	Hurricanes and Tropical Climatology
GEOG 370	America's National Parks
GEOG 371	Air Pollution Climatology
GEOG 510	Special Topics in Geographic Research
GEOG 516	Coastal Zone Management
GEOG 530	Environmental Hazards
GEOG 545	Synoptic Meteorology
GEOG 546	Applied Climatology
GEOG 547	Fluvial Geomorphology
GEOG 549	Water and Watersheds
GEOG 551	Principles of Remote Sensing
GEOG 552	LiDARgrammetric and Photogrammetric Digital Surface Mapping
GEOG 563	Advanced Geographic Information Systems
GEOG 564	GIS-Based Modeling
GEOG 566	Social Aspects of Environmental Planning and Management
GEOG 567	Long-Term Environmental Change
GEOG 568	Human Dimensions of Global Environmental Change
GEOG 569	International Development and the Environment
GEOG 570	Geography of Public Land and Water Policy
GEOG 571	Microclimatology
GEOG 573	Climatic Change and Variability
GEOL 302	Rocks and Minerals
GEOL 315	Surface and Near Surface Processes

GEOL 335	Processes of Global Environmental Change
GEOL 371	A View of the River
GEOL 501	Principles of Geomorphology
GEOL 520	Isotope Geology and Geochronology
GEOL 560	Earth Resource Management
GEOL 570	Environmental Hydrogeology
GERM/ENVR 295	Green Technology in Germany
HIST 360	Into the Wild: Global Conservation since 1800
HIST 398	Sustainability in World History from Early Times to the Anthropocene
HIST 448	American Environmental History
HRTM 383	Ecotourism
HRTM 428	Sustainable Foodservice Systems
HRTM 482	Sustainable Tourism Planning and Policy
HRTM 485	Sustainable Tourism
JOUR 205	History and Philosophy of the Mass Media
JOUR 303	Law and Ethics of Mass Communications
JOUR 306	Theories of Mass Communications
JOUR/WGST 311	Minorities, Women, and the Mass Media
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media
JOUR 542	Public Opinion and Persuasion
JOUR 507	Health Communication: The Science and Practice
MART 321	Media Writing
MART 371	The Moving Image
MART 380	New Media Art
MSCI 311	Biology of Marine Organisms
MSCI/GEOL 335	Processes of Global Environmental Change
MSCI 390	Policy and Marine Science
PHIL 320	Ethics
PHIL 321	Medical Ethics
PHIL/ENVR 322	Environmental Ethics
PHIL 323	Ethics of Science and Technology
PHIL 324	Business Ethics
PHIL 325	Engineering Ethics
PHIL 535	Ecofeminism
POLI 365	State Government
POLI 368	Interest Groups and Social Movements
POLI 370	Introduction to Public Administration
POLI 373	Regulatory Policies
POLI 374	Public Policy
POLI 431	Science, Technology, and Public Policy
POLI 465	Psychology and Politics
POLI 470	Federalism and Intergovernmental Relations
POLI 477	Green Politics
POLI 478	Environmental Policy
PSYC 487	Community Psychology
SOCY 308	Community Organization
SOCY 310	Social Demography

SOCY 311	Ecology of Human Social Systems
SOCY 315	Global Population Issues
SOCY 514	Urbanization
SPCH 331	Organizational Communication
SPCH 464	Speechwriting

Total Credit Hours 12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Environmental Studies, B.A.

Geological Sciences Minor Minor Requirements (20 hours)

Course	Title	Credits
Prerequisite (may be used to fulfill a Carolina Core requirement)		
Select one of the following:		
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab	
PHYS 201 & 201L	General Physics I and General Physics Laboratory I	
PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab	
Core Courses		
Select one of the following: 4		
GEOL 101	Introduction to the Earth	
GEOL 103	Environment of the Earth	
GEOL 201	Observing the Earth	
Upper-Level Geology Courses		
GEOL 302	Rocks and Minerals	4
Select three upper-level Geological Sciences courses, with at least two selected from the following: 12		
GEOL 305	Earth Systems through Time	
GEOL 315	Surface and Near Surface Processes	
GEOL 325	Stratigraphy and Sedimentary Basins	
GEOL 335	Processes of Global Environmental Change	
GEOL 345	Igneous and Metamorphic Processes	
GEOL 355	Structural Geology and Tectonics	

Total Credit Hours 20

Note: PHYS 201 or PHYS 211 required for GEOL 355 and see MATH requirement for GEOL 345.

Geological Sciences, B.S.

The Bachelor of Science degree in Geological Sciences concerns the study of the dynamics and physical history of the Earth, the rocks of which it is composed, and its physical, chemical, and biological changes.

Learning Outcomes

- Students will demonstrate their knowledge of fundamental concepts and laboratory skills in the geosciences by responding to written and laboratory-practical exam questions in at least one of the following courses: GEOL 302, GEOL 305, GEOL 315, GEOL 325, GEOL 335, GEOL 345 and GEOL 355.
- Students will demonstrate knowledge of geological field skills by demonstrating a competency at the proficiency level on a geologic mapping exercise, preferably the Sheep Mountain project, in GEOL 500.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	24-46
4. Major Requirements	27-43

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirement (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 122* or MATH 141*
- MATH 170* or MATH 142*

SCI – Scientific Literacy (8 hours)

- CHEM 111* & CHEM 111L*
- PHYS 201* & PHYS 201L* or PHYS 211* & PHYS 211L*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ Carolina Core Stand Alone or Overlay Eligible Requirements – Overlay-approved courses offer students the option of meeting two Carolina

Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

Course	Title	Credits
STAT 515	Statistical Methods I (*)	3
Select one of the following:		3
CSCE 102	General Applications Programming (*)	
or a higher level CSCE course		
MSCI 305	Ocean Data Analysis (*)	
MSCI 509	MATLAB-Based Data Analysis in Ocean Sciences (*)	
Total Credit Hours		6

Note: Courses used to fulfill the College requirements may not also be used to fulfill other degree requirements.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (24-46 hours)

Supporting Courses (12 hours)

Course	Title	Credits
Select one of the following:		4
GEOL 101	Introduction to the Earth (*)	
GEOL 103	Environment of the Earth (*)	

GEOL 201	Observing the Earth (*)	
Select two of the following:		8
PHYS 202 & 202L	General Physics II and General Physics Laboratory II (*)	
or PHYS 212 & 212L	Essentials of Physics II and Essentials of Physics II Lab	
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab (*)	
BIOL 101 & 101L	Biological Principles I and Biological Principles I Laboratory (*)	
BIOL 102 & 102L	Biological Principles II and Biological Principles II Laboratory (*)	
Total Credit Hours		12

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours) *optional*

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-22 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-

acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (27-43 hours)

a minimum grade of C is required in all major courses

Major Courses (28-30 hours)

Course	Title	Credits
GEOL 302	Rocks and Minerals	4
GEOL 325	Stratigraphy and Sedimentary Basins	4
GEOL 345	Igneous and Metamorphic Processes	4
GEOL 355	Structural Geology and Tectonics	4
GEOL 500	Field Geology	4-6
Select two of the following:		8
GEOL 305	Earth Systems through Time	
GEOL 315	Surface and Near Surface Processes	
GEOL 335	Processes of Global Environmental Change	

Total Credit Hours 28-30

Concentrations (27-43 hours) *optional*

As an alternative to the general Geological Sciences major, students may choose one of the following concentrations:

General Geologic Sciences Major with Environmental Geosciences Concentration (27-30 hours)

Course	Title	Credits
GEOL 302	Rocks and Minerals	4
GEOL 315	Surface and Near Surface Processes	4
GEOL 325	Stratigraphy and Sedimentary Basins	4
GEOL 335	Processes of Global Environmental Change	4
GEOL 355	Structural Geology and Tectonics	4
GEOL 500	Field Geology	4-6
Select one of the following:		3-4
GEOL 305	Earth Systems through Time	
GEOL 371	A View of the River	
GEOL 548	Environmental Geophysics	

Total Credit Hours 27-30

General Geological Sciences Major with Geophysics Concentration (40-43 hours)

Students complete the requirements for the General Geological Sciences Major (28-30 hours) with the MATH 141 and MATH 142 Carolina Core option, and also complete an additional 12-13 credit hours from the courses listed here:

Course	Title	Credits
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations	3
Select two of the following:		6-7
GEOL 501	Principles of Geomorphology	
GEOL 520	Isotope Geology and Geochronology	
GEOL 531	Plate Tectonics	

GEOL 546	Marine Geophysics
GEOL 548	Environmental Geophysics
GEOL 570	Environmental Hydrogeology
GEOL 575	Numerical Modeling for Earth Science Applications

Intensive Geological Sciences Major (41-43 hours)

Course	Title	Credits
GEOL 302	Rocks and Minerals	4
GEOL 305	Earth Systems through Time	4
GEOL 315	Surface and Near Surface Processes	4
GEOL 325	Stratigraphy and Sedimentary Basins	4
GEOL 335	Processes of Global Environmental Change	4
GEOL 345	Igneous and Metamorphic Processes	4
GEOL 355	Structural Geology and Tectonics	4
GEOL 500	Field Geology (senior capstone experience)	4-6
Select 9 credits of GEOL courses numbered 399 or higher		9

Total Credit Hours 41-43

Degree with Distinction in Geological Sciences

Available to students majoring in Geological Sciences who wish to participate in significant research activities in their major field under the supervision of a faculty mentor. Students who successfully fulfill all of these requirements will be awarded their degree with "Distinction in Geological Sciences" upon graduation. South Carolina Honors College students taking this route would graduate with both Honors in SCHC and "Distinction in Geological Sciences".

Requirements:

- A minimum GPA of 3.5 in the major and 3.3 institutional.
- A written sponsorship agreement from the faculty mentor on file in the department.
- Public presentation of the Senior Thesis research accompanied by a written document approved by the faculty mentor and a second reader that follows the guidelines of the School of the Earth, Ocean and Environment.
- 3 courses (9 hours) in addition to the general major requirements, including:
 - GEOL 498 or GEOL 499
 - GEOL 699
- A minimum of one GEOL 500-level course appropriate to the research

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Geological Sciences, BS General Geology

Geological Sciences, BS General Geology Major in Environmental Geosciences Concentration

Geological Sciences, BS Intensive Geology Major Concentration

Geophysics Minor

Designed for students interested in obtaining an in-depth background in the geophysical techniques and how they apply to the study of the Earth. It targets students interested in expanding their quantitative skills to the understanding of the environment, land and ocean resources, natural hazards, and mountain building.

Minor Requirements (18-20 Hours)

Course	Title	Credits
Prerequisites ¹		
MATH 141	Calculus I	
PHYS 201 & 201L	General Physics I and General Physics Laboratory I	
or PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab	
Core Courses		4
Select one of the following:		
GEOL 101	Introduction to the Earth	
GEOL 103	Environment of the Earth	
GEOL 201	Observing the Earth	
GEOL 302	Rocks and Minerals	4
Select 10-12 hours from the following:		10-12
GEOL 345	Igneous and Metamorphic Processes	
GEOL 355	Structural Geology and Tectonics	
GEOL 531	Plate Tectonics	
GEOL 548	Environmental Geophysics	
GEOL 554	Applied Seismology	
GEOL 555	Elementary Seismology	
GEOL 556	Seismic Reflection Interpretation	
GEOL 575	Numerical Modeling for Earth Science Applications	
GEOL 582	Marine Hydrodynamics	
Total Credit Hours		18-20

Marine Science Minor

Minor Requirements (18 Hours)

Prerequisite Courses (8 Hours)

Course	Title	Credits
MSCI 101	The Ocean Environment	4
MSCI 102	The Living Ocean	4
Total Credit Hours		8

Required Courses (12 Hours)

Course	Title	Credits
MSCI 311	Biology of Marine Organisms	4
MSCI 313	The Chemistry of the Sea	4
MSCI 314	Physical Oceanography	4
Total Credit Hours		12

Additional Courses (6 Hours)

- An additional 6 credit hours of Marine Science Major Courses must also be completed for a total of 18 credit hours numbered 301 and above. Courses applied toward general education requirements

cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

Marine Science, B.S.

Learning Outcomes

- Students will demonstrate that they understand the scientific process by testing hypotheses related to Marine Science in an inquiry based, hands on setting.
- Students will demonstrate critical thinking skills using the scientific method.
- Students will demonstrate the ability to conduct independent research.
- Students will demonstrate effective oral communication of Marine Science topics by giving an oral presentation.
- Students will communicate and summarize their research findings effectively in writing (such as on a poster or in an abstract) on Marine Science topics.

Progression Requirement

Marine Science majors may enroll in the following courses a maximum of twice to earn the required grade of C or higher: MATH through MATH 142, CHEM 111, CHEM 111L, CHEM 112, CHEM 112L, PHYS 201/PHYS 201L or PHYS 211/PHYS 211L, PHYS 202/PHYS 202L or PHYS 212/PHYS 212L. For the purposes of this standard of progression, withdrawal with a W does not constitute enrollment. These courses must be completed before the beginning of the student's third academic year (fifth major semester) as a marine science major.

Transfer Requirement

Any student applying for transfer to the marine science major from other programs within the University, or from other accredited colleges and universities, is required to have a minimum overall grade point average of 2.50 on a 4.00 scale.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

- Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
- Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary

Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (128 hours) Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- MSCI 101*
- MSCI 102*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and

continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours) Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

must be passed with a grade of C or higher

Course	Title	Credits
STAT 515	Statistical Methods I (*)	3
Select one of the following:		3
CSCE 102	General Applications Programming (*)	
or a higher level CSCE course		
MSCI 305	Ocean Data Analysis	
MSCI 509	MATLAB-Based Data Analysis in Ocean Sciences	
Total Credit Hours		6

Note: Courses used to fulfill the College requirements may not also be used to fulfill other degree requirements.

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-43 hours)

Supporting Courses (16 hours)

must be passed with a C or higher

Course	Title	Credits
Select one of the following: ¹		
PHYS 201 & 201L	General Physics I and General Physics Laboratory I (*)	4
PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab (*)	4
Select one of the following: ²		
PHYS 202 & 202L	General Physics II and General Physics Laboratory II (*)	4
PHYS 212 & 212L	Essentials of Physics II and Essentials of Physics II Lab (*)	4
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab (*)	4
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab (*)	4
Total Credit Hours		16

¹ Students in the Physical Oceanography concentration must take PHYS 211 & PHYS 211L.

² Students in the Physical Oceanography concentration must take PHYS 212 & PHYS 212L.

Cognate or Minor (0-18 hours)

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed

in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (12-27 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (36 hours)

a minimum grade of C is required in all major courses

Major Courses (13 hours)

Course	Title	Credits
MSCI 311	Biology of Marine Organisms	4
MSCI 313	The Chemistry of the Sea	4
MSCI 314	Physical Oceanography	4
MSCI 505	Senior Seminar	1
Required Field Experience ¹		
Total Credit Hours		13

¹ All MSCI majors are required to complete a minimum of 60 hours of marine science field effort. Possibilities include taking the MSCI 460 class, semester or summer internship, REU, semester at sea, faculty-sponsored field research or cruise or field data collection/analysis experience. Students who opt for an experience other than the MSCI 460 class must submit a petition for an alternative field experience to the Undergraduate Director. If the alternative is approved, the student must submit a short (2-3 page minimum) report at the completion of the experience to the Undergraduate Director for approval. Upon approval, the Undergraduate Director will notify the Dean's office of the substitution, and the student's record will be updated to reflect zero credit hours in MSCI 460 for meeting the field effort requirement. If a student takes the MSCI 460 class (2-credit hours), those credits will be counted towards their 23 major elective credit hours.

Major Electives (23 hours)

Students, in consultation with a faculty advisor, must select 23 hours of major electives. Preferred courses available for major credit are listed below; however, any course which is eligible for cognate credit in the College of Arts and Sciences can potentially be a major course with consent of faculty advisor. Hours used to fulfill an optional concentration count toward the fulfillment of the 23 hours of major electives, e.g., students selecting Biological Oceanography would fulfill 13 hours of the 23 hours of required major electives.

Courses Acceptable for Major Credit

Course	Title	Credits	Course	Title	Credits
MSCI courses numbered 300 and above			CHEM 511	Inorganic Chemistry	3
MSCI 399	Independent Study ¹		CHEM 541 & 541L	Physical Chemistry and Physical Chemistry Laboratory ¹	5
MSCI 495	Internship in Marine Science ¹		CHEM 542 & 542L	Physical Chemistry and Physical Chemistry Laboratory	5
MSCI 496	Undergraduate Research ¹		CHEM 621	Instrumental Analysis	3
MSCI 497	Undergraduate Research ¹		CSCE 561	Numerical Analysis	3
MSCI 498	Undergraduate Research ¹		ECIV 360	Fluid Mechanics	3
MSCI 499	Undergraduate Research ¹		ECON 548	Environmental Economics	3
MSCI 505	Senior Seminar ¹		ENHS 665	Biofilms in Environmental Health and Disease	3
MSCI/GEOG 590	Beach-Dune Interactions	3	ENVR 231	Introduction to Sustainability Management and Leadership	3-4
BIOL 301 & 301L	Ecology and Evolution and Ecology and Evolution Laboratory	4	ENVR 548	Environmental Economics	3
BIOL 302 & 302L	Cell and Molecular Biology and Cell and Molecular Biology Laboratory	4	ENVR 571	Conservation Biology	3
BIOL 303	Fundamental Genetics	3	ENVR 572	Freshwater Ecology	3
BIOL 450	Principles of Biological Oceanography	3	ENVR 480	Environmental Issues Seminar	3
BIOL 460 & 460L	Advanced Human Physiology and Advanced Human Physiology Laboratory	4	GEOG 341	Cartography	3
BIOL 462 & 462L	Advanced Microbiology and Advanced Microbiology Laboratory	4	GEOG 345	Interpretation of Aerial Photographs	3
BIOL 497	Undergraduate Seminar in Biological Sciences	1	GEOG 363	Geographic Information Systems	3
BIOL 505 & 505L	Developmental Biology and Developmental Biology Laboratory I	4	GEOG 365	Hurricanes and Tropical Climatology	3
BIOL 534 & 534L	Animal Behavior and Animal Behavior Laboratory	4	GEOG 510	Special Topics in Geographic Research	3
BIOL/MSCI 537	Aquaculture	3	GEOG 516	Coastal Zone Management	3
BIOL 541 & 541L	Biochemistry and Biochemistry Laboratory	4	GEOG 541	Advanced Cartography	3
BIOL 543 & 543L	Comparative Physiology and Comparative Physiology Laboratory	4	GEOG 545	Synoptic Meteorology	4
BIOL 545	Biochemistry/Molecular Biology I	3	GEOG 546	Applied Climatology	4
BIOL 549	Plant Physiology	4	GEOG 551	Principles of Remote Sensing	3
BIOL 550 & 550L	Bacteriology and Bacteriology Laboratory	4	GEOG 554	Spatial Programming	3
BIOL/MSCI 552	Population Genetics	3	GEOG 563	Advanced Geographic Information Systems	3
BIOL 570 & 570L	Principles of Ecology and Principles of Ecology Laboratory	4	GEOG 564	GIS-Based Modeling	3
BIOL 599	Topics in Biology ¹	1-3	GEOG 575	Digital Techniques and Applications in Remote Sensing	3
BIOL 630	Biology of Birds	3	GEOL 305	Earth Systems through Time	4
BIOL 640	Microbial Ecology	3	GEOL 315	Surface and Near Surface Processes	4
BIOL 652	Evolutionary Biology	3	GEOL 325	Stratigraphy and Sedimentary Basins	4
BIOL 654	Speciation	3	GEOL 335	Processes of Global Environmental Change	4
BIOL 670	Plant Ecology	3	GEOL 345	Igneous and Metamorphic Processes	4
BIOL 690	Ultramicroscopy	3	GEOL 355	Structural Geology and Tectonics	4
CHEM 321 & 321L	Quantitative Analysis and Quantitative Analysis Laboratory	4	GEOL 371	A View of the River	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1	GEOL 500	Field Geology	4-6
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1	GEOL 503	Regional Stratigraphy and Biostratigraphy of North America	3
CHEM 333 & 333L	Organic Chemistry I and Comprehensive Organic Chemistry Laboratory I	5	GEOL 516	Sedimentology	4
CHEM 334 & 334L	Organic Chemistry II and Comprehensive Organic Chemistry Laboratory II	5	GEOL 541	Earth Science for Teachers II	3
			GEOL 545	Geological Oceanography	3
			GEOL 546	Marine Geophysics	3
			GEOL 555	Elementary Seismology	3
			GEOL 570	Environmental Hydrogeology	3
			JOUR 507	Health Communication: The Science and Practice	3
			MATH 241	Vector Calculus	3
			MATH 242	Elementary Differential Equations	3
			MATH 344	Applied Linear Algebra	3
			MATH 344L	Applied Linear Algebra Lab	1
			MATH 520	Ordinary Differential Equations	3

MATH 521	Boundary Value Problems and Partial Differential Equations	3
MATH 526	Numerical Linear Algebra	4
MATH 527	Numerical Analysis	3
MATH 544	Linear Algebra	3
NAVY 301 & 301L	Navigation/Naval Operations I and Navigation/Naval Operations Lab I	4
NAVY 302 & 302L	Navigation/Naval Operations II and Navigation/Naval Operations II Lab	4
PHYS 311	Introduction to Applied Numerical Methods	3
PHYS 515	Mathematical Physics I	3
PHYS 516	Mathematical Physics II	3
POLI 370	Introduction to Public Administration	3
POLI 399A	Independent Study in Political Science	1-6
POLI 399B	Independent Study in International Studies	1-6
POLI 420	International Law	3
POLI 431	Science, Technology, and Public Policy	3
POLI 477	Green Politics	3
SCHC 390-SCHC 398 ¹		
SCHC 499	HNRS: Senior Thesis/Project ¹	1-15
SOCY 310	Social Demography	3
SOCY 315	Global Population Issues	3
STAT 506	Introduction to Experimental Design	3
STAT 511	Probability	3
STAT 512	Mathematical Statistics	3
STAT 513	Theory of Statistical Inference	3
STAT 516	Statistical Methods II	3
STAT 518	Nonparametric Statistical Methods	3

¹ A maximum of 10 hours of independent study, seminar, and undergraduate research courses may count in the 23 hours of major electives required for the Marine Science major.

Note: Credit for a degree will not be given for both CHEM 340 and CHEM 541.

Concentrations (12-15 hours)

Students may elect to have a Concentration specified directly on their academic transcript upon graduation from the Marine Science Program. In order to earn a Concentration certification, students must take the following courses, with an additional course(s) to be decided upon by the student and his or her Faculty Advisor. These courses may also be included in the 36 major credit hours required for graduation.

Biological Oceanography (13 hours minimum)

Course	Title	Credits
BIOL 301 & 301L	Ecology and Evolution and Ecology and Evolution Laboratory (Lab not required)	4
BIOL 302 or BIOL 302L or BIOL 303	Cell and Molecular Biology (Lab not required) ¹ Cell and Molecular Biology Laboratory Fundamental Genetics	3
Select two additional courses (six hours minimum) from the following list of marine biology, ecology, biology courses or similar courses as approved by advisor.		6
MSCI 375	The Deep Sea	

MSCI/BIOL 450	Principles of Biological Oceanography
MSCI 503/BIOL 502	Environmental Microbiology
MSCI/BIOL 510	Invertebrate Zoology
MSCI/BIOL 525	Marine Plants
MSCI/BIOL 535	Fishery Management
MSCI/BIOL 536	Ichthyology
MSCI/BIOL 537	Aquaculture
MSCI/BIOL 538	Behavior of Marine Organisms
MSCI/BIOL 552	Population Genetics
MSCI/BIOL 574	Marine Conservation Biology
MSCI/BIOL 575	Marine Ecology
MSCI/BIOL 576	Marine Fisheries Ecology
MSCI/BIOL 577	Ecology of Coral Reefs
MSCI/BIOL 627	Marine Phytoplankton
MSCI 496	Undergraduate Research (if biology oriented)
MSCI 497	Undergraduate Research (if biology oriented)
MSCI 498	Undergraduate Research (if biology oriented)
MSCI 499	Undergraduate Research (if biology oriented)
MSCI 599	Topics in Marine Science (if biology oriented)
MSCI 566	Ecosystem Analysis
MSCI 578	Physiological and Pollution Ecology of Marine Organisms
BIOL 302 or BIOL 303	Cell and Molecular Biology ² Fundamental Genetics
BIOL 460 or BIOL 460L	Advanced Human Physiology (Lab not required) Advanced Human Physiology Laboratory
BIOL 505 or BIOL 505L	Developmental Biology (Lab not required) Developmental Biology Laboratory I
BIOL 534 or BIOL 534L	Animal Behavior (Lab not required) Animal Behavior Laboratory
BIOL 541	Biochemistry
BIOL 543 or BIOL 543L	Comparative Physiology (Lab not required) Comparative Physiology Laboratory
BIOL 549	Plant Physiology
BIOL 550 or BIOL 550L	Bacteriology (Lab not required) Bacteriology Laboratory
BIOL 570 or BIOL 570L	Principles of Ecology (Lab not required) Principles of Ecology Laboratory
BIOL 640	Microbial Ecology
BIOL 462	Advanced Microbiology

BIOL 652	Evolutionary Biology	
BIOL 670	Plant Ecology	
BIOL 690	Ultramicroscopy	
Total Credit Hours		13

¹ CHEM 333 is a prerequisite for BIOL 302 and is recommended for those intending to complete postgraduate work in this area of emphasis.

² BIOL 302L is optional.

Chemical Oceanography (13 hours)

Course	Title	Credits
CHEM 321	Quantitative Analysis	3
CHEM 321L	Quantitative Analysis Laboratory	1
CHEM 333	Organic Chemistry I (Lab not required)	3
or CHEM 333L	Comprehensive Organic Chemistry Laboratory I	
CHEM 334	Organic Chemistry II (Lab not required)	3
or CHEM 334L	Comprehensive Organic Chemistry Laboratory II	
One more Chemical Oceanography course at the 400-level or above		3
Total Credit Hours		13

Coastal Resource Management & Marine Policy (12 hours)

Course	Title	Credits
MSCI 390	Policy and Marine Science	3
GEOG 516	Coastal Zone Management	3
ENVR 548	Environmental Economics ¹	3
One more Coastal Resource Management & Marine Policy course at the 400-level or above		3
Total Credit Hours		12

¹ ENVR 548 requires a prerequisite of ECON 221 and ECON 222 or ECON 224.

Geological Oceanography (15 hours)

Course	Title	Credits
GEOL 302	Rocks and Minerals	4
GEOL 305	Earth Systems through Time	4
or GEOL 335	Processes of Global Environmental Change	
GEOL 315	Surface and Near Surface Processes	4
or GEOL 325	Stratigraphy and Sedimentary Basins	
One more Geological Oceanography course at the 300-level or above		3
Total Credit Hours		15

Physical Oceanography (12 hours)

Course	Title	Credits
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations	3
Select two of the following: ¹		6
MSCI 509	MATLAB-Based Data Analysis in Ocean Sciences	
MSCI 557	Coastal Processes	
MSCI 579	Air-Sea Interaction	
MSCI/GEOL 580	Satellite Oceanography	
MSCI 581	Estuarine Oceanography	

MSCI 582	Marine Hydrodynamics	
Total Credit Hours		12

¹ Courses are taught alternate years. Please check teaching schedule.

² Students in the Physical Oceanography concentration must take PHYS 211 & PHYS 211L and PHYS 212 & PHYS 212L.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Marine Science, B.S. No Concentration

Marine Science, B.S. Biological Oceanography Concentration

Marine Science, B.S. Chemical Oceanography Concentration

Marine Science, B.S. Coastal Resource Mgmt. & Marine Policy Concentration

Marine Science, B.S. Geological Oceanography Concentration

Marine Science, B.S. Physical Oceanography Concentration

School of Visual Art and Design

Website Department (<http://www.cas.sc.edu/art/>)

Laura Kissel, *Director*

Degree Programs

The Bachelor of Arts degree is available with majors in art history, art studio, and media arts. A Bachelor of Fine Arts degree is offered in art studio and art education. The art education BFA is designed for students who seek certification to teach art in K-12 settings. The Bachelor of Fine Arts in art studio is a professional degree, which offers concentrations in: ceramics, drawing, graphic design and illustration, painting, photography, printmaking, and 3D/sculpture.

The School of Visual Art and Design offers four major areas of study and several degrees in the fields of ART EDUCATION, ART HISTORY, ART STUDIO, and MEDIA ARTS.

Students pursuing a degree in ART EDUCATION receive broad exposure to studio art, art history, education, critical perspectives and aesthetics, and can earn certification to teach art in K-12 schools.

The ART HISTORY program offers courses in art and architecture across cultures and from antiquity to the present. Students develop skills in research, analysis, criticism, and theory.

ART STUDIO encompasses seven areas of studio specialization within the BFA degree: ceramics, drawing, graphic design and illustration, painting, photography, printmaking, and 3D/sculpture.

Students pursuing a degree in MEDIA ARTS study media practices and global media cultures in courses where they analyze and produce

media such as films, video games, manga, animations, internet art, mobile applications, screenplays, and more.

Interested in film and media studies (https://sc.edu/study/majors_and_degrees/film_and_media_studies.php)?

Interested in film and media production (https://sc.edu/study/majors_and_degrees/media_arts.php)?

Interested in graphic design and illustration (https://sc.edu/study/colleges_schools/artsandsciences/visual_art_and_design/study/undergraduate/studio_art/graphic_design_illustration.php)?

Honors Sections

The School of Visual Art and Design participates in the University's Honors College. Each year, one or more sections of art, media, or art history courses are generally offered for honors students.

Scholarships

A limited number of competitive scholarships are available for School of Visual Art and Design majors, including incoming freshmen. Contact the department office or visit the School of Visual Art and Design website for further information.

Class Attendance

Students are obligated to complete all assigned work promptly, to attend class regularly, and to participate in whatever class discussion may occur. The instructor's attendance policy should be ascertained by the student at the beginning of the semester. Faculty members should notify classes specifically of the attendance policy which they intend to follow in each class.

Programs

- Art Education, B.F.A. (p. 242)
- Art History Minor (p. 245)
- Art History, B.A. (p. 245)
- Art Studio Minor (p. 247)
- Art Studio, B.A. (p. 247)
- Art Studio, B.F.A. (p. 249)
- Media Arts Minor (p. 252)
- Media Arts, B.A. (p. 253)

Courses

ARTE 101 - Introduction to Art (3 Credits)

Introduction to art appreciation. Elements and principles of the visual arts, with examples from the history of art.

Carolina Core: AIU

ARTE 201 - Special Topics in Art Education (3 Credits)

Topics selected by the instructor for specialized study. Course content may include a variety of new, contemporary, and emerging art-related issues that are not regularly included in the general art education curriculum. May be repeated.

ARTE 260 - Interdisciplinary Relationships in the Arts (3 Credits)

The study of relationships among visual arts, music, theatre, and dance.

Carolina Core: AIU

ARTE 345 - Art Evaluation (3 Credits)

The language of art is taught through viewing, interpreting, producing, and appreciating art. Historical and contemporary art criticism; methods of teaching art criticism to children and young adults.

ARTE 399 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTE 520 - Art for Elementary Schools (3 Credits)

Methods of teaching art to elementary and preschool children. Major emphasis will be given to relevant studio experiences.

ARTE 525 - Elementary Methods for K-12 Art Certification (3 Credits)

Curriculum, methods, and materials for teaching art to elementary and preschool children.

ARTE 525P - Elementary Methods for K-12 Art Certification Practicum (1 Credit)

Experiential practice and learning in elementary schools.

Corequisite: ARTE 525.

ARTE 530 - Art of Children (3 Credits)

A study of prominent theories of the artistic development of children from infancy through adolescence. Students will examine children's art from various age groups and apply theoretical explanations to these observations.

ARTE 540 - The School Art Program (3 Credits)

An introduction to art education as a profession. The history, curricular development, and current issues are examined. Students practice proven teaching techniques.

Prerequisites: ARTE 520.

ARTE 540P - Practicum in Art Education (1 Credit)

A sequence of supervised practicum experiences in middle and secondary school art education settings. Seminars and group discussions.

Corequisite: ARTE 540.

ARTE 550 - Incorporating New Media in Art Education (3 Credits)

Applications new media such as digital photography, sound, and other interactive hypermedia for the art classroom. Emphasis on integrating art production with art history, criticism, and aesthetics.

ARTE 560 - Secondary Methods for K-12 Art Certification (3 Credits)

Curriculum, methods, and materials for teaching art to secondary school students.

Corequisite: ARTE 560P.

ARTE 560P - Secondary Methods for K-12 Art Certification Practicum (1 Credit)

Curriculum, methods, and materials for teaching art to secondary school students. Note: ARTE 560 and ARTE 560P cannot be taken simultaneously with ARTE 540 and 540P.

Prerequisites: C or better in ARTE 525 and ARTE 525P.

Corequisite: C or better in ARTE 560.

ARTE 565 - Field Experience Seminar (3 Credits)

Corequisite: EDSE 471.

ARTE 571 - Directed Teaching in Art (12 Credits)

Students seeking K-12 certification in art participate in directed teaching in elementary and secondary art programs while being supervised by an art education faculty member. Students are evaluated using a state-mandated assessment tool. Completion of course work in art education, admission to professional program, College of Education, and FBI check are required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTE 595 - Art Education Workshop (1-6 Credits)

A workshop especially for teachers and prospective teachers, featuring practical art experiences and projects for elementary and secondary school. Topic varies by title.

ARTH 105 - History of Western Art I (3 Credits)

The visual arts from Paleolithic times to the Renaissance.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 106 - History of Western Art II (3 Credits)

The visual arts from the Renaissance to the present.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 107 - History of Asian Art (3 Credits)

Art and culture of India, China, and Japan from prehistory to the present.

Carolina Core: GHS

ARTH 312 - Greek Art and Archaeology (3 Credits)

A survey of ancient architecture, painting, and sculpture 2000-160 B.C.

Cross-listed course: CLAS 340

ARTH 313 - History of Roman Art (3 Credits)

An examination of the development of architecture, painting, and sculpture until the end of the Roman Empire.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 315 - History of Medieval Art (3 Credits)

A survey of architecture, painting, and sculpture in Europe during the Middle Ages.

ARTH 320 - History of Italian Renaissance Art (3 Credits)

The origins and development of Renaissance painting, sculpture, and architecture in Italy during the 15th and 16th centuries.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 321 - History of Northern Renaissance Art (3 Credits)

The arts of Northern Europe during the 15th and 16th centuries with particular emphasis on the developments in the Low Countries, Germany, and France.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 325 - History of Southern Baroque Art (3 Credits)

The art and architecture of Italy and Spain in the 17th century.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 326 - History of Northern Baroque Art (3 Credits)

The art and architecture of Holland, Flanders, France, England, Germany, and Austria in the 17th century.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 327 - History of 18th-Century European Art (3 Credits)

A survey of eighteenth-century European painting and sculpture, following the lives and works of major artists, changes in style and taste against the backdrop of a broader cultural and historical context.

ARTH 330 - History of 19th-Century European Art (3 Credits)

A survey of nineteenth-century European painting and sculpture, following the lives and works of major artists, changes in style and taste against the backdrop of a broader cultural and historical context.

ARTH 333 - Art, Anatomy, and Medicine, 1700-Present (3 Credits)

Considers anatomical instruction in artistic training; anatomy and ideas of beauty and morality; role of art in dissemination of anatomical/medical information; why artistic representations of medicine and anatomy feature in popular culture; role of art in medical training; how art has imagined anato-medical improbabilities that are now reality.

ARTH 335 - History of 20th Century Art (3 Credits)

A survey of architecture, painting, and sculpture in the 20th century.

ARTH 337 - History of Modern Architecture (3 Credits)

Architecture from the turn of the century until the present.

ARTH 340 - History of American Art I (3 Credits)

A survey of the history of art in America from colonial times to 1860.

ARTH 341 - History of American Art II (3 Credits)

A survey of art in America from 1860 to the present.

ARTH 342 - Contemporary American Art (3 Credits)

Recent trends in painting and sculpture.

ARTH 345 - History of Asian Art (3 Credits)

A survey of the visual arts of India, China, and Japan from prehistory to the present.

ARTH 346 - African Art (3 Credits)

Sculpture, painting, architecture of Sub-Saharan Africa.

ARTH 350 - History and Theory of Art Criticism (3 Credits)

Art criticism from antiquity to the present.

ARTH 366 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

ARTH 390 - Topics in Art History (3 Credits)

Topic varies by title.

ARTH 399 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTH 498 - Independent Study (3 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTH 499 - Independent Study (3 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTH 501 - Methodologies of Art History (3 Credits)

A seminar for art history majors and graduate students in the history and various methodologies of the discipline.

ARTH 503 - Internship in Art History (1-6 Credits)

Supervised experience in the field of art history, including museums, galleries, art dealers and auction houses. Requires a university internship contract and is subject to approval by advisor. May be repeated.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTH 511 - Etruscan Art and Archaeology (3 Credits)

Seminar in the art and civilization of the pre-Roman Etruscan peoples of Italy. Slide lectures, discussion sessions, and some examination of archaeological field methods and pottery classification.

ARTH 514 - Topics in Ancient Art (3 Credits)

Topic varies by title.

ARTH 519 - Topics in Medieval Art (3 Credits)

Topic varies by title.

ARTH 520 - History of Renaissance Painting (3 Credits)

An analysis of the paintings and painters of importance during the period of the Renaissance in Europe.

ARTH 521 - History of Renaissance Sculpture (3 Credits)

A survey of the major developments in the art of sculpture associated with the European Renaissance.

ARTH 522 - History of Renaissance Architecture (3 Credits)

European architecture and architectural theory during the 15th and 16th centuries.

ARTH 523 - Florentine Art (3 Credits)

The artistic development of Florence from the age of Giotto to that of Michelangelo as seen in the context of social and cultural developments.

ARTH 524 - Topics in Renaissance Art (3 Credits)

Topic varies by title.

ARTH 525 - History of Baroque Painting (3 Credits)

17th-century European painting.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 526 - History of Baroque Sculpture (3 Credits)

17th and 18th-century European sculpture.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 527 - History of Baroque Architecture (3 Credits)

The architecture of Europe in the 17th century with special attention to the major architects of Italy, France, Germany, and England. Topics to be included are: the church, the palace, the garden, and city planning.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 529 - Topics in 18th-Century Art (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 327.

ARTH 534 - Topics in 19th-Century Art (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 330.

ARTH 535 - History of Modern Painting (3 Credits)

A detailed examination of 20th century painting.

ARTH 536 - History of Modern Sculpture (3 Credits)

The development of sculpture in the 19th and 20th centuries with special attention to contemporary tendencies.

ARTH 537 - Topics in Modern Architecture (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 337.

ARTH 539 - Topics in Modern Art (3 Credits)

Topic varies by title.

ARTH 540 - History of American Painting (3 Credits)

Important aspects of American painting with emphasis on the 19th and 20th centuries.

ARTH 542 - History of American Architecture (3 Credits)

A consideration of the evolution of architecture in America including aspects of town and city planning.

ARTH 543 - The History of American Antiques and Decorative Arts (3 Credits)

A survey of our material culture concentrating upon the evolution of styles.

ARTH 544 - Topics in American Art (3 Credits)

Topic varies by title.

ARTH 545 - Special Topics in Modern Chinese Art (3 Credits)

Topics in modern Chinese art selected for specialized study. May be repeated as content varies by title.

ARTH 546 - Special Topics in Asian Art (3 Credits)

Topics in Asian art selected for specialized study. May be repeated as content varies by title.

ARTH 549 - Topics in Non-Western Art (3 Credits)

Topic varies by title.

ARTH 550 - Trends in Art History (3 Credits)

A critical examination of the development of the discipline of art history and an analysis of its major trends and theoretical positions.

ARTH 551 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 511, MART 591

ARTH 557 - History of Printmaking (3 Credits)

Technical, aesthetical, and historical study of the development of printmaking.

ARTH 560 - Museology I (3 Credits)

The history and theory of museums and an introduction to museum practices in the setting of a multi-disciplinary institution. Practical experience provided through the various units of the University Museums.

ARTH 561 - Museology II (3 Credits)

Museum practices emphasizing the conservation, installation, and interpretation of the object in the context of an art museum. Practical experience provided through the Columbia Museum of Art.

ARTH 562 - Art Conservation (3 Credits)

History, theory, practices, ethics, and procedures of modern art conservation. Practical experience provided through the South Carolina Institute of Archaeology and Anthropology.

ARTH 569 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: C or better in FAMS 300.

Cross-listed course: FAMS 510, MART 592

ARTH 590 - Topics in Art History (3 Credits)

Topic varies by title.

Prerequisites: ARTH 105 or ARTH 106 or any ARTH 300.

ARTH 599 - Independent Study (1-6 Credits)

Independent study for advanced undergraduate majors and graduate students in art history. Approved independent study contract required for enrollment. May be repeated, but no more than 12 credits of Independent Study may be applied to the degree.

ARTS 102 - Design Technology and Concepts (3 Credits)

Fundamental methods of solving visual problems found in the design arts with an emphasis on clarity and immediacy of solutions for a general audience.

ARTS 103 - Fundamentals of Art (3 Credits)

Introduction to visual thinking and principles of two-dimensional design.

Carolina Core: AIU

ARTS 104 - 3-Dimensional Design I (3 Credits)

Introduction to visual thinking and principles of three-dimensional design.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Research

ARTS 107 - Color and Composition (3 Credits)

Color, color theory, and compositional systems.

Prerequisites: ARTS 103.

ARTS 111 - Basic Drawing I (3 Credits)

Introduction to the materials and basic techniques of drawing.

ARTS 145 - Design Technology & Concepts / Portfolio Review (1 Credit)

Portfolio review of work completed in ARTS 102. This one-credit course is required for progression in the Art Studio BFA concentration in Graphic Design.

Prerequisites: C or better in ARTS 102.

ARTS 210 - Introduction to Painting (4 Credits)

An introductory course in the materials and techniques of painting.

Carolina Core: AIU

ARTS 211 - Beginning Painting II (4 Credits)

Exploration of materials and techniques of painting with emphasis on individual creative expression.

ARTS 215 - Introduction to Printmaking (4 Credits)

An introductory course in printmaking with emphasis on monotype, relief, and intaglio processes.

ARTS 220 - Beginning Ceramics (4 Credits)

An introduction to the materials and techniques of ceramics through hand-building and throwing on the wheel.

ARTS 225 - Introduction to Three-Dimensional Studies (4 Credits)

An introductory course in the concepts, materials, and techniques of three-dimensional media.

Prerequisites: C or better in ARTS 104.

ARTS 230 - Introduction to Drawing (4 Credits)

Building on foundational skills acquired in ARTS 111, this course further develops skills in observation, composition, spatial awareness, drawing technique and critical language.

Prerequisites: C or better in ARTS 111.

ARTS 232 - Figure Structure I (4 Credits)

The structural nature of figure, with emphasis on the translation of form in space onto a two-dimensional surface.

Prerequisites: C or better in ARTS 230.

ARTS 233 - Figure Structure II (4 Credits)

Drawing from the human figure.

Prerequisites: C or better in ARTS 230.

ARTS 235 - Introduction to Fiber Arts (4 Credits)

An introductory course in the materials and processes of fiber arts.

ARTS 241 - Color for Design (4 Credits)

Color theory, systems, and applications in visual communications.

Graduation with Leadership Distinction: GLD: Research

ARTS 245 - Typographic Design I (4 Credits)

Fundamental concepts in graphic design with a focus on formal issues, employing fundamental visual communication principles, image development, and traditional and modern relevant digital applications.

Prerequisites: C or better in ARTS 102.

ARTS 246 - Typographic Design II (4 Credits)

Fundamental concepts in typography with a focus on long form text, hierarchy of emphasis, anatomy, pairings and exploration of grid systems using traditional and modern relevant digital applications.

ARTS 255 - Introduction to Jewelry Making (4 Credits)

Introduction to concepts and design of jewelry objects in a variety of metals and other materials.

ARTS 260 - Photography for Non-Majors (3 Credits)

Photographic history, theory, and practice with emphasis on developing a personal vision through the use of digital still cameras.

ARTS 261 - Introduction to Photography (4 Credits)

A thorough grounding in 35mm black and white photography using both digital and traditional output, as well as the aesthetics of the photograph as a personal artistic expression.

ARTS 265 - Illustration I (4 Credits)

Beginning illustration projects emphasizing principles of visual communication, development of resource material, composition and preparation of sketches, comprehensives, and finished illustrations in a variety of media.

Prerequisites: C or better in ARTS 102 and ARTS 111.

ARTS 266 - Illustration II (4 Credits)

Intermediate illustration projects emphasizing principles of visual communication, development of resource material, composition and preparation of sketches, comprehensives, and finished illustrations in a variety of media.

Prerequisites: C or better in ARTS 265.

ARTS 310 - Intermediate Painting I (4 Credits)

An exploration of painting as a means of multi-sensory expression through visual experience.

ARTS 311 - Intermediate Painting II (4 Credits)

An exploration of the depiction of space and form in painting with a continued emphasis on materials and techniques combined with individual creative expression.

ARTS 315 - Intermediate Printmaking I: Relief (4 Credits)

Linoleum, woodblock printing, and other relief techniques including the execution of original works in these media.

ARTS 316 - Intermediate Printmaking II: Screen (4 Credits)

Screen printing techniques including the execution of original works in these media.

ARTS 320 - Intermediate Ceramics I (4 Credits)

Concentration on development of throwing skills. Experimentation with clay and glaze chemistry.

ARTS 321 - Intermediate Ceramics II (4 Credits)

Concentration on hand-building skills. Glaze experimentation and ceramic materials will be researched.

ARTS 325 - Intermediate Three-Dimensional Studies I (4 Credits)

Contemporary principles in various three-dimensional media.

Prerequisites: C or better in ARTS 225.

ARTS 326 - Intermediate Three-Dimensional Studies II (4 Credits)

Further study of various three-dimensional media.

Prerequisites: C or better in ARTS 225.

ARTS 330 - Intermediate Drawing I (4 Credits)

Enhancing graphic richness in drawings with intellectual and visual perception as content.

Prerequisites: C or better in ARTS 230.

ARTS 331 - Intermediate Drawing II (4 Credits)

Contemporary cultural stimuli as the content for drawing projects.

Emphasis on intellectual and emotive approaches.

Prerequisites: C or better in ARTS 230.

ARTS 335 - Intermediate Fiber Arts I (4 Credits)

Exploration of fiber constructions such as weaving, spinning, and feltmaking.

Prerequisites: C or better ARTS 235.

ARTS 336 - Intermediate Fiber Arts II (4 Credits)

Exploration of fiber surface design techniques such as batik, tie dye, and block printing.

Prerequisites: C or better in ARTS 335.

ARTS 345 - Visual and Verbal Interaction (4 Credits)

Intermediate level exploration of current issues in type and image through complex design problems employing a variety of media.

Prerequisites: C or better in ARTS 145, ARTS 245 and ARTS 246.

ARTS 346 - Process and Systems (4 Credits)

Advanced design course in the development of a range of self-directed content and emphasizing creation of cohesive messaging systems covering a wide range of media. Creation of identity systems based on research and appropriate to content, context, and audience. Media may span environmental, motion, print, web, and packaging. Discussion of current design issues and trends.

Prerequisites: C or better in ARTS 345.

ARTS 347 - Interaction Design (4 Credits)

Investigation and practice of user interface and user experience design for digital products as a contemporary fine art and communication medium.

Prerequisites: C or better in ARTS 145, ARTS 245 and ARTS 246.

ARTS 355 - Intermediate Jewellerymaking I (4 Credits)

Jewelry fabrication using the centrifugal casting methods.

Prerequisites: C or better in ARTS 255.

ARTS 356 - Intermediate Jewellerymaking II (4 Credits)

Jewelry fabrication using the electroforming method.

Prerequisites: C or better in ARTS 355.

ARTS 360 - Advanced Black & White Photography (4 Credits)

Continuation of black and white photographic techniques introduced in ARTS 261. Introduction to advanced exposure and film development, exhibition quality printing and presentation, medium and large-format cameras, b&w digital output and darkroom experimentation.

Prerequisites: C or better in ARTS 261.

ARTS 361 - Digital Photography (4 Credits)

Exploration of digital imaging techniques including image adjustment and printing methods with an emphasis on color photography.

ARTS 370 - Special Topics in Graphic Design (4 Credits)

Specialized investigation into relevant current trends in graphic design.

Prerequisites: C or better in ARTS 245 or ARTS 246.

ARTS 371 - Special Topics in Illustration (4 Credits)

Specialized investigation into relevant current trends in illustration.

Prerequisites: C or better in ARTS 246.

ARTS 390 - Special Topics in Art Studio (3 Credits)

Investigation and analysis of various thematic concepts, processes, and techniques in a variety of media. Content varies by course title.

ARTS 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ARTS 410 - Advanced Painting I (4 Credits)

Advanced development of individual direction in painting the human figure from a live model. Special emphasis on material selection and formal principles of painting as applied toward individual goals.

Prerequisites: C or better in ARTS 310 or ARTS 311.

ARTS 411 - Advanced Painting II (4-6 Credits)

Advanced development of individual direction in painting and skills in the representation of the human figure working observationally from the live model. Special emphasis on material selection and formal principles of painting as applied toward individual goals.

Prerequisites: C or better in ARTS 310 or ARTS 311.

ARTS 415 - Advanced Printmaking I: Intaglio (4 Credits)

Intaglio techniques, such as drypoint, etching and collagraph, including the execution of original works in these media.

ARTS 416 - Advanced Printmaking II: Lithography (4-6 Credits)

Lithography techniques, including the execution of original works in these media.

ARTS 420 - Advanced Ceramics I (4 Credits)

Further development of throwing and hand-building skills. Introduction to kiln firing and continued glaze and clay experimentation.

Prerequisites: C or better in ARTS 320 or ARTS 321.

ARTS 421 - Advanced Ceramics II (4-6 Credits)

Further development of throwing and hand-building skills. Continued development of kiln-firing methodology. Research in clay and glaze technology.

Prerequisites: C or better in ARTS 420.

ARTS 425 - Advanced Three-Dimensional Studies I (4 Credits)

The development of fabrication skills and creative expression in various three-dimensional media.

Prerequisites: C or better in ARTS 325 or ARTS 326.

ARTS 426 - Advanced Three-Dimensional Studies II (4-6 Credits)

Further development of fabrication skills and creative expression in various three-dimensional media.

Prerequisites: C or better in ARTS 325 or ARTS 326.

ARTS 430 - Advanced Drawing I (4 Credits)

Development of a thematic approach to drawing in a series of individual and group generated artworks.

Prerequisites: C or better in ARTS 330 or ARTS 331.

ARTS 431 - Advanced Drawing II (4-6 Credits)

Development of highly individualized content in a series of drawings.

Prerequisites: C or better in ARTS 430.

ARTS 435 - Advanced Fiber Arts I (4 Credits)

Advanced study of materials and techniques of fiber arts with emphasis on individual creative expression.

Prerequisites: C or better in ARTS 336.

ARTS 436 - Advanced Fiber Arts II (4 Credits)

Advanced study of materials and techniques of fiber arts with emphasis on individual creative expression.

Prerequisites: C or better in ARTS 435.

ARTS 445 - Time and Sequence (4 Credits)

Advanced motion projects involving time and sequencing with both visual and verbal elements using a variety of media.

Prerequisites: C or better in ARTS 246 or MART 371.

ARTS 446 - Structures (4 Credits)

Advanced exploration of 3D graphic design projects.

Prerequisites: C or better in ARTS 104 or ARTS 246.

ARTS 447 - Senior Project I (4 Credits)

Individual final project in graphic design.

Prerequisites: C or better in ARTS 445.

Graduation with Leadership Distinction: GLD: Research

ARTS 448 - Portfolio Studio (4 Credits)

Preparation of students for professional practice and job seeking.

Development of online and print portfolios, and other collateral.

Contemporary design and illustration practices through discussions, reading, writing, guest speakers, and studio visits. Emphasis on assisting each student in preparing for their unique future.

Prerequisites: C or better in ARTS 346.

ARTS 449 - Graphic Design Practicum (4 Credits)

Practical design experience for students through design or publicity problems in non profit organizations.

Prerequisites: C or better in ARTS 345 or ARTS 346.

ARTS 450 - Intermedia Studio I (4 Credits)

Advanced intermedia; formal and conceptual problems associated with combining multiple forms of imaging processes.

ARTS 451 - Intermedia Studio II (4 Credits)

Advanced intermedia; creation of portfolio work combining multiple forms of imaging processes.

ARTS 455 - Advanced Jewelmaking I (4 Credits)

Advanced problems and individual investigation in jewelmaking techniques.

Prerequisites: C or better in ARTS 356.

ARTS 456 - Advanced Jewelmaking II (4 Credits)

Advanced problems and individual investigation in jewelmaking techniques.

Prerequisites: C or better in ARTS 455.

ARTS 460 - Photography Portfolio (4 Credits)

Advanced techniques and career practices in photography. The development of personal vision through the production of a fine arts portfolio. Students may work with any photographic process (digital or analog) towards the completion of a cohesive body of work.

Prerequisites: C or better in ARTS 360 or ARTS 361.

ARTS 461 - Photography Exhibition (4-6 Credits)

Advanced concepts in photography. The development of personal vision culminating in a collaborative exhibition. Students may work with any photographic process (analog or digital).

Prerequisites: C or better in ARTS 360 or ARTS 361.

ARTS 465 - Advanced Illustration I (4 Credits)

Projects exploring aspects of visual narrative through illustration. Further development of style, media, and technique.

Prerequisites: C or better in ARTS 266.

ARTS 466 - Advanced Illustration II (4 Credits)

Capstone projects in commercial illustration. Further development of style, media, and technique with emphasis in development of commercial portfolio and promotion.

Prerequisites: C or better in ARTS 465.

ARTS 498 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTS 499 - Independent Study (3-9 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTS 500 - Visual Meaning (4 Credits)

The analysis, structuring, and production of individual works of art using traditional and non-traditional approaches.

ARTS 501 - Art Business (3 Credits)

Business practices for the studio artist. Contracts, portfolio preparation, promotion, alternate professions, museums, galleries, copyright, and shipping will be discussed.

ARTS 510 - Painting I (6 Credits)

BFA Painting Capstone course stressing focus on further development of individual approaches to painting culminating in a cohesive body of work and a written thesis defense.

Prerequisites: ARTS 210, ARTS 211, ARTS 310, and ARTS 311.

ARTS 511 - Painting II (6 Credits)

BFA Painting Capstone course focusing on further development of individual approaches to painting culminating in a BFA Senior Thesis Exhibition and defense.

Prerequisites: ARTS 510.

ARTS 512 - Introduction to Watercolor (3 Credits)

Introduction to traditional and experimental transparent watercolor technique. Encompasses field work at off campus locations.

ARTS 513 - Advanced Watercolor (3 Credits)

Advanced study of watercolor and water-based media with emphasis on individual creative expression. Encompasses field work at off campus locations.

ARTS 514 - Workshop: Painting (4 Credits)

Advanced study in various painting problems, content varies by title.

ARTS 515 - Printmaking I (3 Credits)

Further development of individual approaches to printmaking.

Prerequisites: ARTS 416.

ARTS 516 - Capstone Printmaking I: Professional Practices (3-6 Credits)

Professional development practices including preparing a portfolio and oral presentation of work, researching career options, and preparing applications for exhibition and funding opportunities.

Prerequisites: ARTS 215 and one ARTS 300 - ARTS 400 level print course.

ARTS 517 - Capstone Printmaking II: Exhibition (3-6 Credits)

Preparing for an exhibition.

Prerequisites: ARTS 215 and one ARTS 300 - ARTS 400 level print course.

ARTS 519 - Workshop: Printmaking (3 Credits)

Advanced investigation and analysis of various printmaking techniques.

Topic varies by title.

ARTS 520 - Ceramics I (6 Credits)

Further development of a personal approach to the ceramic process, supported by an investigation of ceramic history.

Prerequisites: ARTS 421.

ARTS 521 - Ceramics II (6 Credits)

Further development of a personal approach to the ceramic process, supported by an investigation of ceramic history.

Prerequisites: ARTS 520.

ARTS 524 - Workshop: Ceramics (3 Credits)

Advanced investigation and analysis of problems and methods in ceramics. Topics vary by title.

ARTS 525 - Three-Dimensional Studies I (3-6 Credits)

Personal concepts and expressions in various three-dimensional media.

Prerequisites: C or Better in ARTS 425 or ARTS 426.

ARTS 526 - Three-Dimensional Studies II (3-6 Credits)

Personal concepts and expressions in various three-dimensional media.

Prerequisites: C or better in ARTS 425 or ARTS 426.

ARTS 529 - Workshop: Three-Dimensional Studies (3 Credits)

Investigation and analysis of various three-dimensional concepts, processes, and techniques. Content varies by title.

ARTS 530 - Drawing Capstone I (3-6 Credits)

Further development of individual approaches to drawing with emphasis on intellectual and visual perception as content.

Prerequisites: ARTS 431.

ARTS 531 - Drawing Capstone II (6 Credits)

Further development of individual drawing with emphasis on intellectual and emotive approaches.

Prerequisites: ARTS 530.

ARTS 532 - Advanced Life Drawing (3 Credits)

Human anatomy and instruction in drawing and painting the model from life in a variety of media.

Prerequisites: ARTS 232 or ARTS 233.

ARTS 535 - Fiber Arts I (3 Credits)

Advanced study in the processes and materials of fiber arts.

Prerequisites: ARTS 436.

ARTS 536 - Fiber Arts II (3 Credits)

Advanced study in the processes and materials of fiber arts.

Prerequisites: ARTS 535.

ARTS 537 - Papermaking (3 Credits)

The art and techniques of handmade paper.

ARTS 539 - Workshop: Fiber Arts (3 Credits)

Advanced study in various technical aspects of fiber arts. Topic varies by title.

ARTS 545 - Internship in Graphic Design (3-9 Credits)

Experiential course focused on relevant work experience within the business of graphic design, visual communication, and/or illustration.

Students are required to obtain and complete an internship, then reflect on the experience. Graduation with Leadership Distinction: Professional and Civic Engagement.

Prerequisites: C or better in ARTS 246.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTS 546 - Advanced Process and Systems (3 Credits)

Advanced design course in the development of a range of self-directed content and emphasizing creation of cohesive messaging systems that cover a wide range of media. Creation of identity systems that are based on research and appropriate to content, context, and audience. Media may span environmental, motion, print, web, and packaging.

Prerequisites: C or better in ARTS 346.

ARTS 547 - Advanced Interaction Design (3 Credits)

Advanced investigation and practice of user interface and user experience design for digital products as a contemporary fine art and communication medium.

Prerequisites: C or better in ARTS 345.

ARTS 555 - Jewelrymaking I (4 Credits)

The development of individual directions in jewelrymaking.

Prerequisites: C or better in ARTS 456.

ARTS 556 - Jewelrymaking II (3 Credits)

The development of individual directions in jewelrymaking.

Prerequisites: ARTS 555.

ARTS 558 - Crafts (3 Credits)

Contemporary applications of traditional craft media, emphasizing the design and conceptual development of works of art.

ARTS 559 - Workshop: Jewelrymaking (3 Credits)

Advanced study in various technical aspects of jewelrymaking. Topic varies by title.

ARTS 560 - Photography Thesis: Portfolio (6 Credits)

Further development of individual approaches to photography.

ARTS 561 - Photography Thesis: Exhibition (6 Credits)

Further development of individual approaches to photography.

ARTS 564 - Workshop: Photography (4 Credits)

Advanced investigation and analysis of problems in photography. Topic varies by title.

ARTS 570 - Visual Arts Computing (3 Credits)

Advanced visual arts computing techniques on using software such as Photoshop, Studio Pro, and Netscape.

Prerequisites: ARTS 102.

ARTS 590 - Video Art: Theory and Practice (3 Credits)

Television as a medium; small format video systems are used in the creation of individual projects.

ARTS 595 - Independent Study (3 Credits)

Independent study for advanced undergraduate majors and graduate students in art studio. Approved independent study contract required for enrollment.

MART 101 - Making Media That Matters (3 Credits)

Introductory media arts creation and study for non-majors, with emphasis on developing an individual aesthetic for screen and related media.

Carolina Core: AIU

MART 110 - Media Culture (3 Credits)

Introduction to the critical study of film, video, photography, audio, and new media.

Cross-listed course: FAMS 110

Carolina Core: AIU

MART 201 - Foundations of Media Arts Production (3 Credits)

Fundamental conceptual and technical aspects of media.

Carolina Core: AIU

MART 210 - Digital Media Arts Fundamentals (3 Credits)

Introduction to theory and practice of origination, sequencing, and processing of screen-based and related media art.

Carolina Core: AIU

MART 262 - Digital Imaging (3 Credits)

Aesthetic and communicative elements of the production of digital images, including capture, processing, and output.

MART 321 - Media Writing (3 Credits)

Storytelling forms and formats for screen-based and related media arts.

MART 341 - Sound Design (3 Credits)

Aesthetic and communicative elements of audio design for screen-based and related media arts.

Prerequisites: MART 210.

MART 371 - The Moving Image (3 Credits)

Introduction to the theory and practice of motion picture production.

Prerequisites: MART 201 and MART 210.

MART 380 - New Media Art (3 Credits)

Introduction to the design and development of new media art, including internet-based art, media performance, installation, and interactivity.

Prerequisites: MART 210 or ARTS 102.

MART 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MART 490 - Special Topics in Media Arts (3 Credits)

May be repeated once for credit as topic varies by title.

MART 495 - Research Seminar (3 Credits)

Research in a selected area of media arts.

Prerequisites: junior status

Graduation with Leadership Distinction: GLD: Research

MART 499 - Internship in Media Arts (3-6 Credits)

Supervised experience in media productions and media production facilities. Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

MART 521A - Media Writing Advanced: Screenwriting (3 Credits)

Advanced study of screenwriting.

Prerequisites: MART 321.

MART 521B - Media Writing Advanced: Feature Film (3 Credits)

Advanced study of feature film writing.

Prerequisites: MART 321.

MART 521C - Media Writing Advanced: Manga and Anime (3 Credits)

Advanced study of Manga and Anime.

Prerequisites: MART 321.

MART 521D - Media Writing Advanced: Television Writing (3 Credits)

Advanced study of television writing.

Prerequisites: MART 321.

MART 571A - Moving Image Advanced: Narrative (3 Credits)

Narrative for motion picture.

Prerequisites: MART 371.

MART 571B - Moving Image Advanced: Documentary (3 Credits)

Documentary production.

Prerequisites: MART 371.

MART 571C - Moving Image Advanced: Animation (3 Credits)

Animation production.

Prerequisites: MART 371.

MART 571D - Moving Image Advanced: Experimental (3 Credits)

Experimental motion picture production.

Prerequisites: MART 371.

MART 571E - Moving Image Advanced: Cinematography (3 Credits)

Motion picture cinematography.

Prerequisites: MART 371.

MART 571F - Moving Image Advanced: Sound for Motion Picture (3 Credits)

Sound production for motion picture.

Prerequisites: MART 371.

MART 581A - New Media Advanced: Site-based and Installation Art (3 Credits)

Art and practice of site-based and installation art.

Prerequisites: MART 380.

MART 581B - New Media Advanced: Mobile Platforms (3 Credits)

Art and practice of mobile platforms.

Prerequisites: MART 380.

MART 581C - New Media Advanced: Media Performance (3 Credits)

Art and practice of media performance.

Prerequisites: MART 380.

MART 581D - New Media Advanced: Video Game Design (3 Credits)

Art and practice of video game design.

Prerequisites: MART 380.

MART 581E - New Media Advanced: Sound Art (3 Credits)

Art and practice of sound art.

Prerequisites: MART 380.

MART 590 - Special Topics in Media Arts (3 Credits)

Selected topics in media arts. Course content varies and will be announced in the schedule of classes by title.

MART 591 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 551, FAMS 511

MART 592 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: C or better in FAMS 300.

Cross-listed course: ARTH 569, FAMS 510

MART 593 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ENGL 566, FAMS 566

MART 594 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 598, FORL 598

MART 598 - Media Management and Distribution (3 Credits)

Research in media management and distribution.

Prerequisites: MART 110 and MART 210.

Art Education, B.F.A.

Learning Outcomes

1. Students will demonstrate the ability to make art using two and three-dimensional materials appropriate for use in elementary and early childhood settings.
2. Students will demonstrate the ability to make art using two and three-dimensional materials appropriate for use in secondary settings.
3. Students will write an arts unit of instruction centered on relevant themes and demonstrates the ability to write learning outcomes that match assessment.
4. Students will recall the kinds of assessment used in the elementary and secondary art classroom and demonstrate its use in the arts unit of instruction by creating various assessment tools.
5. Students will recall various teaching strategies used for challenging different kinds of learners and integrative learning.
6. Students will develop communication skills and motivational strategies for teaching.
7. Students will gain expertise in curriculum development and lesson planning.
8. Students will successfully develop and teach two demonstration lessons as part of the Young Artists Workshop.
9. Students will begin to master successful teaching skills and behaviors and become aware of how such skills and behaviors are measured through the ADEPT assessment instrument, which student teachers and all first year teachers in South Carolina must successfully master.
10. Students will gain knowledge of the Collaborative Educational Leader and be able to describe each element of the framework.
11. Students will observe or practice teaching in a school setting for at least 3 hours each week for a total of 30 hours.

12. Students will record observations of teaching content, interaction patterns, classroom management, use of technology, use of time and space, and knowledge of students.
13. Students will write reflective papers and or a case study on a specific issue or situation that they observe between K-12 students and the teacher.
14. The student will discuss appropriate dispositions that underlie the knowledge and practice required of candidates: Integrity, Intellectual Spirit, Justice, and Stewardship.
15. Students will create digital artworks by utilizing contemporary interactive technologies.
16. Students write original scripts for their animation and video films.
17. Students will develop curriculum outlines for integrating digital technologies in to the K-12 art curriculum.
18. Students will analyze and respond to assigned course readings in writing.
19. Students will present assigned course readings to class.
20. Students will analyze historical and contemporary approaches to children's artistic development through written responses. .
21. Student will demonstrate a grasp of course readings via midterm test.
22. Students will develop research skills by conducting art projects in an after school setting and documenting observations of children's art making with field notes.
23. Students will write a research paper based on their observations of children's art making.
24. Students will pass the praxis II exam and qualify for certification in the state of South Carolina
25. Students will develop ways to apply the art curriculum to the public school classroom utilizing interdisciplinary approaches to plan and initiate a K-12 sequential curriculum that incorporates art production, art criticism, aesthetics, art history and art assessment, and conforms to National, State and local Visual and Performing Arts Standards for each grade level or course they teach.
26. Students will develop and use effective classroom management strategies.
27. Students will write and teach age/grade appropriate lesson plans for the grade levels assigned.
28. Students will successfully complete the requirements of the ADEPT evaluation system for Adept Performance Standards one, two, three and ten.
29. Document the student teaching experience through self-evaluation checklists, journal entries, lesson plans, and a visual record of student art making and art making processes (photographs).

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.

2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (123-140 hours)

Requirements	Credit Hours
1. Carolina Core	32-46
2. College Requirements	0-3
3. Program Requirements	42
4. Major Requirements	51

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core (32-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and

continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

Students must choose one course from:

- ENGL 270*
- ENGL 282*
- ENGL 283*
- ENGL 284*
- ENGL 285*
- ENGL 286*
- ENGL 287*
- ENGL 288*

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

2. College Requirements (0-3 hours)

- Foreign language course (0-3 hours) - only if needed to meet 122-level proficiency

3. Program Requirements (42 hours)

Supporting Courses (42 hours)

The following professional courses in education are required for all students preparing to teach art in K-12 settings:

Course	Title	Credits
ARTE 525	Elementary Methods for K-12 Art Certification (*) ¹	3
ARTE 525P	Elementary Methods for K-12 Art Certification Practicum (*) ¹	1
ARTE 530	Art of Children (*)	3

ARTE 540	The School Art Program (*) ²	3
ARTE 540P	Practicum in Art Education (*) ²	1
ARTE 550	Incorporating New Media in Art Education (*)	3
ARTE 560	Secondary Methods for K-12 Art Certification ³	3
ARTE 560P	Secondary Methods for K-12 Art Certification Practicum (*) ³	1
ARTE 565	Field Experience Seminar (*) ⁴	3
ARTE 571	Directed Teaching in Art (*) ⁴	12
EDFI 300	Schools in Communities (*)	3
EDPY 401	Learners and the Diversity of Learning (*)	3
EDRD 500	Content Area Literacy PK-12 (*)	3
or EDEX 581	Teaching Reading in the Content Area to Adolescents with Reading Disabilities	
Total Credit Hours		42

¹ ARTE 525 & ARTE 525P are corequisites.

² ARTE 540 & ARTE 540P are corequisites.

³ ARTE 560 & ARTE 560P are corequisites.

⁴ Block courses: ARTE 571 and ARTE 565 are taken in the last year of study.

Cognate or Minor (0-18 hours)

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

4. Major Requirements (49 hours)

A minimum grade of C is required in all major courses.

Course	Title	Credits
ARTS 103	Fundamentals of Art	3
ARTS 104	3-Dimensional Design I	3
ARTS 111	Basic Drawing I	3
Select a 200-400 level Drawing course from the following:		4
ARTS 230	Introduction to Drawing	
ARTS 232	Figure Structure I	
ARTS 233	Figure Structure II	
ARTS 330	Intermediate Drawing I	
ARTS 331	Intermediate Drawing II	
ARTS 430	Advanced Drawing I	
ARTS 431	Advanced Drawing II	
Select a 200 or above Painting course from the following:		4
ARTS 210	Introduction to Painting	

ARTS 211	Beginning Painting II	
ARTS 310	Intermediate Painting I	
ARTS 311	Intermediate Painting II	
ARTS 410	Advanced Painting I	
ARTS 411	Advanced Painting II	
ARTS 500	Visual Meaning	
ARTS 514	Workshop: Painting	
Select a 200-400 level Printmaking course from the following:		4
ARTS 215	Introduction to Printmaking	
ARTS 315	Intermediate Printmaking I: Relief	
ARTS 316	Intermediate Printmaking II: Screen	
ARTS 415	Advanced Printmaking I: Intaglio	
ARTS 416	Advanced Printmaking II: Lithography	
Select a 200-400 level Ceramics course from the following:		4
ARTS 220	Beginning Ceramics	
ARTS 320	Intermediate Ceramics I	
ARTS 321	Intermediate Ceramics II	
ARTS 420	Advanced Ceramics I	
ARTS 421	Advanced Ceramics II	
Select a 200 or above Three-Dimensional Studies or Jewelry Making course from the following:		4
ARTS 225	Introduction to Three-Dimensional Studies	
ARTS 255	Introduction to Jewelry Making	
ARTS 325	Intermediate Three-Dimensional Studies I	
ARTS 326	Intermediate Three-Dimensional Studies II	
ARTS 355	Intermediate Jewelmaking I	
ARTS 356	Intermediate Jewelmaking II	
ARTS 425	Advanced Three-Dimensional Studies I	
ARTS 426	Advanced Three-Dimensional Studies II	
ARTS 455	Advanced Jewelmaking I	
ARTS 456	Advanced Jewelmaking II	
ARTS 555	Jewelmaking I	
Select a 200-400 level Photography course from the following:		4
ARTS 261	Introduction to Photography	
ARTS 360	Advanced Black & White Photography	
ARTS 361	Digital Photography	
ARTS 460	Photography Portfolio	
ARTS 461	Photography Exhibition	
Select any four hour 200 or above level ARTS course		4
Four additional courses in Art History		
ARTH 105	History of Western Art I	3
ARTH 106	History of Western Art II	3
ARTH- one course in contemporary Art History		3
ARTH-Elective		3
Total Credit Hours		49

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor

for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Art Education, B.F.A.

Art History Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
ARTH 105	History of Western Art I	3
ARTH 106	History of Western Art II	3
300-level Courses		
Select three 300-level courses		9
500-level courses		
Select one 500-level course		3
Total Credit Hours		18

Art History, B.A.

Learning Outcomes

1. Upon completion of the B.A. in Art History majors should be able to demonstrate in writing an ability to conduct a visual analysis of a work of art in order to determine meaning.
2. Upon completion of the art history program majors should be able to demonstrate the mastery of a basic vocabulary of art terms.
3. Upon completion of the Art History B.A. majors should be able to write coherently and persuasively about works of art.
4. Upon completion of the Art History B.A. students should demonstrate in writing their ability to conduct basic research on a work of art in terms of resources at both the library and online.
5. Upon completion of the Art History B.A. degree students should be able to identify and date the basic periods in the history of art and to distinguish works of art according to the basic period to which they belong.
6. Upon completion of the Art History B.A. degree a student will be able to identify, describe, and explain the applications of the basic art history methodologies currently in use in the profession.
7. Upon completion of the Art History B.A. degree students should have a working knowledge and appreciation of the creative process in at least one medium.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.

2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	34-49
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

Choose at least 1 of the following to fulfill a Carolina Core requirement:

Must be passed with a grade of C or higher.

- ARTH 105* (CC-AIU)
- ARTH 106* (CC-AIU)
- ARTH 107* (CC-GHS)

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

Note: If only 1 of the following courses was taken to fulfill a Carolina Core requirement, then a second course below must be taken as a Fine Arts or Humanities: (must be passed with a grade of C or higher)

- ARTH 105*
- ARTH 106*
- ARTH 107*

3. Program Requirements (34-49 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor

requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (16-37 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (24 hours)

Must be passed with a grade of C or higher.

Major Courses (3 hours)

Course	Title	Credits
ARTH 501	Methodologies of Art History	3
Total Credit Hours		3

Major Electives (21 hours)

- Select 12 hours from ARTH at the 200-level or above
- Select an additional 6 hours from ARTH at the 500-level
- Select 3 hours ARTS
-

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Art History, B.A.

Art Studio Minor

Minor Requirements (18 Hours)

Foundations Courses (6 Hours)

Course	Title	Credits
Select two of the following:		
ARTS 102	Design Technology and Concepts	6
ARTS 103	Fundamentals of Art	
ARTS 104	3-Dimensional Design I	
ARTS 107	Color and Composition	
ARTS 111	Basic Drawing I	
Total Credit Hours		6

Additional Courses (12 Hours)

Choose three 200+ level 4-credit ARTS courses. It is recommended that students follow the discipline-specific Advisement Tracks when choosing their courses, to focus in Graphic Design, Drawing, Painting, Printmaking, Photography, Ceramics, Sculpture, Jewellerymaking, or Generalist 2D or 3D Studio. These Advisement Tracks are available through the School of Visual Art and Design.

Art Studio, B.A.

Learning Outcomes

1. Students must possess the technical skills, perceptual development, and understanding of principles of visual organization sufficient to achieve basic visual communication and expression in multiple media.
2. Demonstrate technical proficiency in each discipline.
3. Conceptualize ideas through visual media.
4. Articulate the relevance of critical theory and art historical precedents.
5. B.A. Studio Art undergraduate students will demonstrate their aesthetic literacy through their 2D and 3D artwork.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	19-34
4. Major Requirements	39

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science,

or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

Two 4-credit hours CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

must be passed with a grade of C or higher

- ARTH 105*

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)
 - ARTH 106*,¹
 - 300-level or above ARTH elective¹

¹ Must be passed with a grade of C or higher.

3. Program Requirements (19-34 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina

Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (1-22 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (39 hours)

Must be passed with a grade of C or higher.

Foundations Requirements (15 hours)

Course	Title	Credits
ARTS 102	Design Technology and Concepts	3
ARTS 103	Fundamentals of Art	3
ARTS 104	3-Dimensional Design I	3
ARTS 107	Color and Composition	3
ARTS 111	Basic Drawing I	3
Total Credit Hours		15

Major Electives (24 hours)

Course	Title	Credits
Select three of the following:		12
ARTS 210	Introduction to Painting	
ARTS 215	Introduction to Printmaking	
ARTS 220	Beginning Ceramics	
ARTS 225	Introduction to Three-Dimensional Studies	
ARTS 230	Introduction to Drawing	
ARTS 245	Typographic Design I	
ARTS 261	Introduction to Photography	
Select two 200-level or above ARTS electives		8
Select one 300-level or above ARTS elective		4
Total Credit Hours		24

Note: Students must complete at least one course from the following list of approved Carolina Core Integrative (INT) courses when choosing courses in the major:

Course	Title	Credits
ARTS 310	Intermediate Painting I	4
ARTS 311	Intermediate Painting II	4
ARTS 315	Intermediate Printmaking I: Relief	4
ARTS 316	Intermediate Printmaking II: Screen	4
ARTS 320	Intermediate Ceramics I	4
ARTS 321	Intermediate Ceramics II	4
ARTS 325	Intermediate Three-Dimensional Studies I	4
ARTS 326	Intermediate Three-Dimensional Studies II	4
ARTS 330	Intermediate Drawing I	4
ARTS 331	Intermediate Drawing II	4
ARTS 360	Advanced Black & White Photography	4
ARTS 361	Digital Photography	4

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Art Studio, B.A.

Art Studio, B.F.A.

Learning Outcomes

1. All BFA Studio Art undergraduate students will define and explain development of art, within their own and other cultures, from pre-history to the present.
2. All BFA Studio Art undergraduate students will critically analyze aspects of the design and art making process and evaluate theories, philosophies, and research in the practice of the studio arts.
3. All BFA Studio Art undergraduate students will, through their artwork, demonstrate their competency of aesthetic literacy.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	0-10
4. Major Requirements	63

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hours CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

must be passed with a grade of C or higher

- ARTH 106*

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)
 - Select one course in Modern Art History from the following list: (*must be passed with a grade of C or higher*)
 - ARTH 335
 - ARTH 341
 - ARTH 342
 - ARTH 535
 - ARTH 536
 - ARTH 537
 - ARTH 539
 - ARTH 545
 - Two additional courses selected from Art History, including one at the 500-level selected from Art History (must be passed with a grade of C or higher)

3. Program Requirements (0-10 hours)

Cognate or Minor (0-18 hours)

This major does not require a cognate or minor.

An optional minor may be added to a student's program of study. A minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or higher. At least half of the courses in the minor must be completed in residence at the University. A list of minor programs of study can be found at Programs A-Z. An optional additional major may also be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-10 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete,

any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (63 hours)

A minimum grade of C is required in all major courses.

Foundations Requirements (15 hours)

Course	Title	Credits
ARTS 102	Design Technology and Concepts	3
ARTS 103	Fundamentals of Art	3
ARTS 104	3-Dimensional Design I	3
ARTS 107	Color and Composition	3
ARTS 111	Basic Drawing I	3
Total Credit Hours		15

Concentrations (48 hours)

Select one concentration from the following:

Ceramics Concentration (48 hours)

Course	Title	Credits
ARTS 220	Beginning Ceramics	4
ARTS 225	Introduction to Three-Dimensional Studies	4
ARTS 325	Intermediate Three-Dimensional Studies I	4
ARTS 320	Intermediate Ceramics I	4
ARTS 321	Intermediate Ceramics II	4
ARTS 420	Advanced Ceramics I	4
ARTS 421	Advanced Ceramics II (6 hours required)	6
ARTS 520	Ceramics I	6
Select ARTS electives - 200-level or above		12
Total Credit Hours		48

Graphic Design and Illustration Concentration (48 hours)

Course	Title	Credits
ARTS 145	Design Technology & Concepts / Portfolio Review	1
ARTS 245	Typographic Design I	4
ARTS 246	Typographic Design II	4
ARTS 265	Illustration I	4
ARTS 266	Illustration II	4
ARTS 345	Visual and Verbal Interaction	4
ARTS 346	Process and Systems	4
ARTS 347	Interaction Design	4
ARTS 465	Advanced Illustration I	4
ARTS 448	Portfolio Studio	4
ARTS 545	Internship in Graphic Design	3
Select one of the following:		4
ARTS 445	Time and Sequence	
ARTS-200- level or above		
Select one of the following:		4
ARTS 446	Structures	

ARTS 200-level or above	
Total Credit Hours	48

Note: While students may take ARTS 545 for up to 9 credit hours, only 3 hours are required for the concentration.

Drawing Concentration (48 hours)

Course	Title	Credits
ARTS 230	Introduction to Drawing	4
ARTS 232	Figure Structure I	4
ARTS 233	Figure Structure II	4
or ARTS 265	Illustration I	
ARTS 330	Intermediate Drawing I	4
ARTS 331	Intermediate Drawing II	4
ARTS 430	Advanced Drawing I	4
ARTS 431	Advanced Drawing II (6 hours required)	6
ARTS 530	Drawing Capstone I (6 hours required)	6
Select ARTS electives - 200-level or above		12
Total Credit Hours		48

Painting Concentration (48 hours)

Course	Title	Credits
ARTS 210	Introduction to Painting	4
ARTS 211	Beginning Painting II	4
ARTS 232	Figure Structure I	4
ARTS 310	Intermediate Painting I	4
ARTS 311	Intermediate Painting II	4
Select one of the following:		4
ARTS 410	Advanced Painting I	
ARTS 500	Visual Meaning	
ARTS 514	Workshop: Painting	
ARTS 411	Advanced Painting II (6 hours required)	6
ARTS 510	Painting I	6
Select ARTS electives - 200-level or above		12
Total Credit Hours		48

Photography Concentration (48 hours)

Course	Title	Credits
ARTS 215	Introduction to Printmaking	4
ARTS 261	Introduction to Photography	4
ARTS 360	Advanced Black & White Photography	4
ARTS 361	Digital Photography	4
ARTS 560	Photography Thesis: Portfolio	6
ARTS 561	Photography Thesis: Exhibition	6
ARTS 564	Workshop: Photography	4
Select ARTS or MART electives- 200-level or above		16
Total Credit Hours		48

Note: ARTS (4 credit)/ MART (3 credit) electives for Photography Concentration must total at least 16 hours.

Printmaking Concentration (48 hours)

Course	Title	Credits
ARTS 215	Introduction to Printmaking	4
ARTS 230	Introduction to Drawing	4

ARTS 261	Introduction to Photography	4
ARTS 315	Intermediate Printmaking I: Relief	4
ARTS 316	Intermediate Printmaking II: Screen	4
ARTS 415	Advanced Printmaking I: Intaglio	4
ARTS 416	Advanced Printmaking II: Lithography (6 hours required)	6
ARTS 516	Capstone Printmaking I: Professional Practices (6 hours required)	6
Select ARTS electives - 200-level or above		12
Total Credit Hours		48

Sculpture Concentration (48 hours)

Course	Title	Credits
ARTS 220	Beginning Ceramics	4
ARTS 225	Introduction to Three-Dimensional Studies	4
ARTS 320	Intermediate Ceramics I	4
ARTS 325	Intermediate Three-Dimensional Studies I	4
ARTS 326	Intermediate Three-Dimensional Studies II	4
ARTS 425	Advanced Three-Dimensional Studies I	4
ARTS 426	Advanced Three-Dimensional Studies II (6 hours required)	6
ARTS 525	Three-Dimensional Studies I (6 hours required)	6
Select ARTS electives - 200-level or above		12
Total Credit Hours		48

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Art Studio, B.F.A. Ceramics Concentration

Art Studio, B.F.A. Drawing Concentration

Art Studio, B.F.A. Graphic Design and Illustration Concentration

Art Studio, B.F.A. Painting Concentration

Art Studio, B.F.A. Photography Concentration

Art Studio, B.F.A. Printmaking Concentration

Art Studio, B.F.A. Sculpture Concentration

Media Arts Minor

Minor Requirements (18 Hours)

Students must complete courses with a grade of "C" or higher.

Required Courses (6 Hours)

Course	Title	Credits
MART 201	Foundations of Media Arts Production	3
MART 210	Digital Media Arts Fundamentals	3
Total Credit Hours		6

Selected Courses (12 Hours)

- Select four additional MART courses from 200 level or above, two of which must be at the 400 level or above. MART 499 and MART 399 may not apply to the minor in Media Arts.

Media Arts, B.A.

Learning Outcomes

- Media Arts students will demonstrate proficiency of technique across a variety of platforms and processes for the creation of media artworks.
- Media Arts students will be able to work individually and in teams to create aesthetically and conceptually sophisticated works of media art.
- Media Arts students will publicly present their work at and beyond the University in screenings, festivals, galleries, conferences, and other forums.
- Media Arts students will be able to identify and analyze the impact of media art as it relates to global media practices and culture.
- Media Arts students will be able to describe and evaluate the relationship between their own artwork and its place in the larger community of artists and practitioners.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	30

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3-hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-43 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.**

Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (10-31 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (30 hours)

must be passed with a grade of C or higher

Core Major Courses (12 hours)

Course	Title	Credits
MART 110	Media Culture	3
MART 201	Foundations of Media Arts Production	3

MART 210	Digital Media Arts Fundamentals	3
MART 499	Internship in Media Arts	3
Total Credit Hours		12

Major Electives (18 hours)

Course	Title	Credits
Intermediate Courses (9 hours):		
Any FAMS course from 300-398		
MART 262	Digital Imaging	
MART 321	Media Writing	
MART 341	Sound Design	
MART 371	The Moving Image	
MART 380	New Media Art	
Advanced Courses		
MART 521A	Media Writing Advanced: Screenwriting	
MART 521B	Media Writing Advanced: Feature Film	
MART 521C	Media Writing Advanced: Manga and Anime	
MART 521D	Media Writing Advanced: Television Writing	
MART 571A	Moving Image Advanced: Narrative	
MART 571B	Moving Image Advanced: Documentary	
MART 571C	Moving Image Advanced: Animation	
MART 571D	Moving Image Advanced: Experimental	
MART 571E	Moving Image Advanced: Cinematography	
MART 571F	Moving Image Advanced: Sound for Motion Picture	
MART 581A	New Media Advanced: Site-based and Installation Art	
MART 581B	New Media Advanced: Mobile Platforms	
MART 581C	New Media Advanced: Media Performance	
MART 581D	New Media Advanced: Video Game Design	
MART 581E	New Media Advanced: Sound Art	
MART 590	Special Topics in Media Arts	
MART 591	Special Topics in Film and Media Studies	
MART 592	Special Topics in Film and Media Histories	
MART 593	Special Topics in U.S. Film and Media	
MART 594	Special Topics in Global Film and Media	
MART 598	Media Management and Distribution	
Total Credit Hours		18

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Media Arts, B.A.

Sociology

Department Website (<http://www.cas.sc.edu/socy/>)

Brent Simpson, *Chair*

The department offers two undergraduate majors. Students may elect programs leading to the Bachelor of Arts degree in sociology or to the Bachelor of Science degree in sociology. Students may also attempt to graduate with honors in sociology if they have a 3.50 overall average and a 3.50 in sociology. Under that program students are required to conduct, write, and defend a research project.

Programs

- Sociology Minor (p. 258)
- Sociology, B.A. (p. 258)
- Sociology, B.S. (p. 260)

Courses

SOCY 101 - Introductory Sociology (3 Credits)

An introduction to sociological facts and principles: an analysis of group-making processes and products.

Carolina Core: GSS

SOCY 300 - Social Structures (3 Credits)

Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to social structures.

SOCY 301 - Sex and Gender (3 Credits)

Offers a sociological lens to develop critical ways of thinking about sex and gender as social processes in everyday lives. This course considers how sex and gender shape and affect the experiences of women, men, girls, boys, and individuals who live in the spaces in-between (those who are intersex or transgender) across a wide range of social institutions (family, work, education, politics, etc.).

Prerequisites: SOCY 101.

Cross-listed course: WGST 300

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 304 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Prerequisites: SOCY 101.

Cross-listed course: POLI 305, WGST 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 305 - Sociology of Families (3 Credits)

Sociological perspectives related to various aspects of family behaviors, roles, and values.

Prerequisites: SOCY 101.

Cross-listed course: WGST 305

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 307 - Sociology of Religion (3 Credits)

Sociological perspectives related to selected aspects of religious behavior. Includes references to non-Western religions.

Cross-listed course: RELG 338

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 308 - Community Organization (3 Credits)

An analysis of formal and informal organization, the interrelationships among public and private agencies, and means through which community action programs are initiated, coordinated, and maintained.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 309 - An Introduction to Social Inequality (3 Credits)

A sociological analysis of the distribution of wealth and income in selected societies.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 310 - Social Demography (3 Credits)

Introduction to key areas of population studies. Methodological approaches, time trends, regional differences, and contemporary policy issues.

Carolina Core: GSS

SOCY 311 - Ecology of Human Social Systems (3 Credits)

Relationships among and changes in populations, social organization, technology, and the environment.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 312 - Bureaucracy and Modern Society (3 Credits)

Bureaucracies in the public and private sector, their internal dynamics and relationship to the social environment.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 313 - Sociology of Aging (3 Credits)

Analysis of aging as a process of socialization and the status of older people in society, their roles in the community, demographic aspects of aging, and the impact of aging upon social institutions.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 315 - Global Population Issues (3 Credits)

Overview of global population history, theory, statistics, and issues related to recent population trends.

Graduation with Leadership Distinction: GLD: Global Learning

SOCY 320 - Individual and Society (3 Credits)

Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to the relations between the individual and society.

SOCY 322 - Sociology of Suicide (3 Credits)

An introductory survey of the social aspects of suicidal behaviors and attitudes.

SOCY 323 - Sociology of Deviant Behavior (3 Credits)

Theories, methodology, and substantive issues in the study of social deviance.

SOCY 325 - Sociology of Childhood (3 Credits)

A consideration of the child in the family group, play group, school group, and community.

SOCY 326 - Sociology of Adolescence (3 Credits)

Sociological perspectives and research findings related to adolescence.

SOCY 330 - Sociology of the Paranormal (3 Credits)

A critical examination of factors that lead to the widespread acceptance of paranormal claims.

Prerequisites: SOCY 101.

SOCY 340 - Introduction to Social Problems (3 Credits)

Contemporary social issues such as poverty, health, the criminal justice system, globalization and the environment, their causes and possible solutions.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

SOCY 350 - Juvenile Delinquency (3 Credits)

Social factors in the development, identification, and treatment of delinquents.

Prerequisites: SOCY 101.

Cross-listed course: CRJU 351

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 351 - Urban Sociology (3 Credits)

Analysis of urban trends, characteristics, and functions of cities with reference to the social psychological factors in urban living. Attention is directed to the emergence of urbanism in the United States, with particular reference to the Southern region, and to institutions, problems, and city planning.

SOCY 353 - Sociology of Crime (3 Credits)

Social factors in the development, identification, and treatment of criminals.

Prerequisites: SOCY 101.

Cross-listed course: CRJU 341

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 354 - Collective Behavior (3 Credits)

An analysis of crowds, publics, social movements, and the mass society in terms of their institutional and social psychological consequences.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 355 - Race and Ethnic Relations (3 Credits)

Theoretical and empirical approaches related to race/ethnicity and the current state of race relations in America, with some attention to global issues.

Cross-listed course: AFAM 355

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 356 - Sociological Perspectives on Poverty in the U.S. (3 Credits)

This is a course about the demographics, measurement, ideologies, and theories of U.S. poverty.

SOCY 357 - Sociology of Education (3 Credits)

Analysis of educational institutions, organizations, processes, and their effects in contemporary society.

Cross-listed course: EDFI 357

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 360 - Sociology of Medicine and Health (3 Credits)

Health and illness in relation to social institutions. The organization and professionalization of medicine and social barriers to medical care.

SOCY 368 - Society through Visual Media (3 Credits)

Analysis of social phenomena and sociological questions through various forms of media, including films, TV, photography, and other visual media.

Prerequisites: SOCY 101.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 370 - Sociology of Sport (3 Credits)

Theories, methods, and substantive issues in the study of sport in contemporary societies.

SOCY 391 - Sociological Research Methods (3 Credits)

Qualitative and quantitative methods of sociological research.

SOCY 392 - Elementary Statistics for Sociologists (3 Credits)

An introduction to concepts and application of quantitative methods, including descriptive and inferential statistics. Emphasis on analysis of empirical sociological data.

SOCY 393 - Sociological Theory (3 Credits)

Examination of key ideas from classical, modern, and contemporary sociological theories.

SOCY 398 - Topics in Sociology (3 Credits)

Reading and research on selected sociological topics. Course content varies and will be announced in the schedule of classes by title.

SOCY 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

SOCY 500 - Social Networks (3 Credits)

Analysis of personal, social and organizational networks, their structural patterns, practical consequences, and principles of formation and change.

SOCY 502 - Political Sociology (3 Credits)

Theory and research concerning the interrelationship between the polity and social structures.

SOCY 503 - Family and Social Stratification (3 Credits)

An analysis of the contemporary American family emphasizing social stratification, mobility, occupations, and urbanization.

SOCY 504 - Social Stratification (3 Credits)

Theory and research in social stratification.

SOCY 505 - Social Structures in Communities (3 Credits)

Interrelationships of major social structures within communities.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 506 - Social Organizations (3 Credits)

Selected theoretical orientation, methodological procedures, and illustrative substantive issues pertaining to organizations.

SOCY 507 - Sociology of Social Control (3 Credits)

Theories and issues relating to the definition of and response to crime and/or deviance.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 509 - Advanced Social Structures (3 Credits)

The analysis of core methodological and substantive issues in the study of social structures.

SOCY 510 - Life Course Demographics (3 Credits)

People's demographic lives, structural contexts, and social change. Emphasis on the socioeconomic context in which lives unfold.

Prerequisites: SOCY 310.

SOCY 511 - Sociology of Mental Health (3 Credits)

Social factors in the development, identification, and treatment of mental illness.

SOCY 512 - Internal and International Migration (3 Credits)

A survey of methods of analysis and research findings with emphasis on the social and economic concomitants of internal migration. Cultural, economic, and historical aspects of international migration. Effects of governmental policies on immigration and emigration. Examination of selected countries.

SOCY 514 - Urbanization (3 Credits)

Analysis of urbanization using contemporary and historical data from developing societies. The demographic components of metropolitan growth and the changing structure of metropolitan communities.

SOCY 515 - Scientific Methods and Sociological Inquiry (3 Credits)

Introduction to methods used to answer theoretical, empirical, and practical sociological questions, including scientific inquiry and research design.

SOCY 520 - Advanced Social Psychology (3 Credits)

Advanced survey of social psychological perspectives and research on inequality, discrimination, power and status, cooperation and collective action, social norm and morality, networks and relationships.

SOCY 521 - Small Group Analysis (3 Credits)

A behavioral analysis of small groups.

SOCY 522 - Power and Authority Structures in Groups (3 Credits)

An exploration of theoretical perspectives, methodological approaches, and substantive issues in the study of interpersonal power and authority.

SOCY 523 - Social Processes of Deviance Control (3 Credits)

A systematic analysis of the interrelation among the creation, involvement, recognition, and control of deviance.

SOCY 524 - Interpersonal Behavior in Families (3 Credits)

Social psychological perspectives on family behavior.

SOCY 525 - Selves and Social Transaction (3 Credits)

A systematic analysis of interrelationships among social acts, selves, roles, transactions, and language.

SOCY 540 - Sociology of Law (3 Credits)

Review of theoretical and empirical developments in the sociology of law, including classical and modern sociological theories of law and selected sociological themes of law in various social settings.

SOCY 550 - Sociology of Science (3 Credits)

Interrelationships among society, culture, and contemporary science.

SOCY 557 - Sociology of Education and Inequality (3 Credits)

Advanced inquiry into the relationship between education and inequality.
Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 560 - Advanced Sociological Theory (3 Credits)

Theoretical perspectives on society and social behavior.

SOCY 561 - Real World Research Experience (3 Credits)

Design and conduct of original research using sociological research methods to meet Carolina Core Integrative course requirement for the BA and the BS.

Prerequisites: C or better in SOCY 101, SOCY 391, SOCY 392.

Experiential Learning: Experiential Learning Opportunity

SOCY 562 - Advanced Sociological Research Methods (3 Credits)

Advanced survey of methods used in sociological research.

SOCY 598 - Selected Topics (3 Credits)

Readings and research on selected sociological topics. Course and content varies and will be announced in the schedule of classes by title.

Prerequisites: SOCY 101.

SOCY 599 - Advanced Independent Study (3-6 Credits)

Advanced Independent study. Contract approved by instructor, advisor, and department chair is required.

Prerequisites: SOCY 101.

SOCY 698 - Special Topics (3 Credits)

Reading and research.

Prerequisites: SOCY 101.

Sociology Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
SOCY 101	Introductory Sociology	3
SOCY 392	Elementary Statistics for Sociologists	3
Electives		
Select one 500-level SOCY course		3
Select three additional courses from SOCY 300 and above		9
Total Credit Hours		18

Sociology, B.A.

Learning Outcomes

- Sociology majors completing the required SOCY 561 capstone course will demonstrate they understand the general sociological perspective and the uses of sociological theory, can apply critical reasoning skills to evaluating theoretical explanations, and can identify uses and limitations of major sociological research methods in evaluating theories. Majors will evidence the ability to apply these skills to the study of social issues of broad impact and interest beyond the discipline.
- Sociology majors completing advanced substantive courses (500-level) will demonstrate they
 - understand the major sociological theories in a specific substantive area of specialization,
 - can critically evaluate competing theories in the field, and
 - can identify and critique major methodological approaches within the specialty area.
 Examples of substantive areas are Social Inequality, Social Psychology, Sociology of the Family, and Sociology of Medicine and Health.
- Sociology majors will demonstrate an understanding and ability to use the following statistical tools:

- The distinction between descriptive and inferential statistics
 - Levels of measurement, ratios and rates
 - Various measures of central tendency and statistical variability used to describe distributions
 - Hypothesis testing, sampling and inference from sample estimates for a population
 - Simple bivariate modeling techniques such as correlation and regression.
- Students should demonstrate that they can apply elementary statistical tools and research methods to the analysis of basic sociological questions.
 - Graduating sociology majors should evidence an integrated preparation for career pursuits and self assess their career preparation as adequate for career plans at the point of graduation.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

- Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
- Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	30

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that

meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- SOCY 101* – *must be passed with a grade of C or higher*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina

Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-43 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (10-31 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (30 hours)

A minimum grade of C is required in all major courses.

Major Courses (12 hours)

Course	Title	Credits
SOCY 391	Sociological Research Methods	3
SOCY 392	Elementary Statistics for Sociologists	3
SOCY 393	Sociological Theory	3
SOCY 561	Real World Research Experience	3
Total Credit Hours		12

Major Electives (18 hours)

- Select 4 additional SOCY courses from the 300-level or above
- Select 2 additional SOCY courses from the 500-level or above

B.A. with Distinction in Sociology

The Departmental Undergraduate Research Track (BA with Distinction in Sociology) is available to students majoring in Sociology who maintain a minimum GPA of 3.50 in the major and 3.50 cumulative and who wish to plan and conduct an individual research project under the supervision of a faculty committee.

A student seeking to graduate with Distinction in Sociology must select a faculty member to chair the committee that guides and evaluates the research project. At least two other faculty members will be appointed by the committee chair to serve as members of the committee. A written sponsorship agreement signed by the committee chair must be filed with the departmental chair. The student must successfully defend a research

proposal and final paper to the committee. Ideally, the project should be finished within two semesters.

Research projects must conform to the University's policy on the treatment of human subjects. Proposals must additionally be subjected to the scrutiny of the Department of Sociology ethics committee.

Requirements

- Cumulative GPA of 3.50 or higher and a GPA of 3.50 or higher in the major;
- Successful completion of requirements for the Sociology major;
- Research proposal approved by faculty committee;
- Successful completion of 3-6 hours SOCY 599 including written and oral presentation of research project.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Sociology, B.A.

Sociology, B.S.

Learning Outcomes

- Sociology majors completing the required SOCY 561 (<https://academicbulletins.sc.edu/search/?P=SOCY%20561>) capstone course will demonstrate they understand the general sociological perspective and the uses of sociological theory, can apply critical reasoning skills to evaluating theoretical explanations, and can identify uses and limitations of major sociological research methods in evaluating theories. Majors will evidence the ability to apply these skills to the study of social issues of broad impact and interest beyond the discipline.
- Sociology majors completing advanced substantive courses (500-level) will demonstrate they
 - understand the major sociological theories in a specific substantive area of specialization,
 - can critically evaluate competing theories in the field, and
 - can identify and critique major methodological approaches within the specialty area.
Examples of substantive areas are Social Inequality, Social Psychology, Sociology of the Family, and Sociology of Medicine and Health.
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 - The distinction between descriptive and inferential statistics
 - Levels of measurement, ratios and rates
 - Various measures of central tendency and statistical variability used to describe distributions
 - Hypothesis testing, sampling and inference from sample estimates for a population
 - Simple bivariate modeling techniques such as correlation and regression.

- Students should demonstrate that they can apply elementary statistical tools and research methods to the analysis of basic sociological questions.
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1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	28-43
4. Major Requirements	30

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- MATH 141* or MATH 122*
- MATH 142* or MATH 170* or MATH 172*

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required for all baccalaureate degrees. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- SOCY 101* – *must be passed with a grade of C or higher*

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays

is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6 hours)

- STAT 201* (or equivalent) or higher
- CSCE 102* (or equivalent) or higher

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-43 hours)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective

courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (10-31 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (30 hours)

A minimum grade of C is required in all major courses.

Major Courses (12 hours)

Course	Title	Credits
SOCY 391	Sociological Research Methods	3
SOCY 392	Elementary Statistics for Sociologists	3
SOCY 393	Sociological Theory	3
SOCY 561	Real World Research Experience	3

Total Credit Hours 12

Major Electives (18 hours)

- Select **4** additional SOCY courses from the 300-level or above
- Select **2** additional SOCY courses from the 500-level or above

B.A. with Distinction in Sociology

The Departmental Undergraduate Research Track (BS with Distinction in Sociology) is available to students majoring in Sociology who maintain a minimum GPA of 3.50 in the major and 3.50 cumulative and who wish to plan and conduct an individual research project under the supervision of a faculty committee.

A student seeking to graduate with Distinction in Sociology must select a faculty member to chair the committee that guides and evaluates the research project. At least two other faculty members will be appointed by the committee chair to serve as members of the committee. A written sponsorship agreement signed by the committee chair must be filed with

the departmental chair. The student must successfully defend a research proposal and final paper to the committee. Ideally, the project should be finished within two semesters.

Research projects must conform to the University's policy on the treatment of human subjects. Proposals must additionally be subjected to the scrutiny of the Department of Sociology ethics committee.

Requirements

- Cumulative GPA of 3.50 or higher and a GPA of 3.50 or higher in the major;
- Successful completion of requirements for the Sociology major;
- Research proposal approved by faculty committee;
- Successful completion of 3-6 hours SOCY 599 including written and oral presentation of research project.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Sociology, B.S.

Southern Studies

Department Website (<http://www.cas.sc.edu/iss/>)

Robert Brinkmeyer, *Director*

The interdisciplinary minor in Southern Studies offers training in analytic methods and research skills designed to help students excel in their departmental fields of concentration and establish a lasting basis for independent exploration of the South.

Courses

SOST 101 - The Literary South (3 Credits)

Principles, practices, and contexts of major literary works of the American South.

Carolina Core: AIU

SOST 298 - Topics in the American South (3 Credits)

Reading and research on selected interdisciplinary topics in Southern Studies. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit under a different title.

SOST 299 - Topics in South Carolina (3 Credits)

Reading and research on selected interdisciplinary topics about South Carolina. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit under a different title.

SOST 301 - Introduction to Southern Studies 1580-1900 (3 Credits)

Examination of major social and cultural developments of American South from early exploration to 1900.

SOST 302 - Introduction to Southern Studies: The Twentieth Century (3 Credits)

An topical examination of the American South ranging from Reconstruction to the Civil Rights Movement.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Research

SOST 305 - The Contemporary South (3 Credits)

An investigation of Southern regional identity.

SOST 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and program director is required for undergraduates.

Graduation with Leadership Distinction: GLD: Research

SOST 405 - Topics in Southern Studies (3 Credits)

Reading and research on selected topics in Southern studies. Course content varies and will be announced in the schedule of classes by title.

Graduation with Leadership Distinction: GLD: Research

SOST 500 - Topics in the American South (3 Credits)

Selected topics related to the study of the American South. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit as topics vary.

Statistics

Department Website (<http://www.stat.sc.edu/>)

Joshua Tebbs, *Chair*

The department offers the Bachelor of Science degree with a major in statistics. The program provides a strong basis in both applied and theoretical statistics and prepares a student for the pursuit of graduate study in statistics or for employment by industry or government. In addition, the department serves many of the disciplines within the University through course offerings which provide basic statistical skills necessary to the pursuit of studies in these disciplines.

Programs

- Actuarial Mathematics and Statistics Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/statistics/actuarial-mathematics-statistics-minor/>)
- Statistics Minor (p. 265)
- Statistics, B.S. (p. 266)

Courses

STAT 110 - Introduction to Statistical Reasoning (3 Credits)

A course in statistical literacy. Topics include data sources and sampling, concepts of experimental design, graphical and numerical data description, measuring association for continuous and categorical variables, introduction to probability and statistical inference, and use of appropriate software. Credit given only for STAT 110 or STAT 112.

Carolina Core: ARP

STAT 112 - Statistics and the Media (3 Credits)

Statistics and the Media. (3) Statistical and information literacy. Experimental and survey design; descriptive statistics; basic probability; simple confidence intervals and hypothesis tests; statistical software; collection, management, and evaluation of information; and presentation of statistics in the media. Credit given for only STAT 110 or STAT 112.

Carolina Core: ARP, INF

STAT 201 - Elementary Statistics (3 Credits)

Introduction to the fundamentals of modern statistical methods, including descriptive statistics, probability, random sampling, simple linear regression, correlation, tests of hypotheses, and estimation.

Prerequisites: MATH 111 or MATH 115 or STAT 110.

Carolina Core: ARP

STAT 205 - Elementary Statistics for the Biological and Life Sciences (3 Credits)

Introduction to fundamental statistical methods with applications in the biological and life sciences. Includes descriptive statistics; probability; one and two-sample models for population means; contingency tables (including relative risk, odds ratios, case-control studies, and estimation of sensitivity and specificity); linear regression; logistic regression; aspects of survival analysis, and ANOVA.

Prerequisites: MATH 111 or higher.

Carolina Core: ARP

STAT 206 - Elementary Statistics for Business (3 Credits)

Fundamental statistical methods with applications in business. Includes descriptive statistics, graphical methods, probability, distributions, sampling, inference, contingency tables, and linear regression.

Prerequisites: MATH 111 or higher.

Carolina Core: ARP

STAT 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

STAT 506 - Introduction to Experimental Design (3 Credits)

Techniques of experimentation based on statistical principles with application to quality improvement and other fields. Full and fractional factorial designs for factors at two levels; dispersion effects; related topics.

Prerequisites: C or higher in MATH 122 or MATH 141; or both MATH 111 or higher and any statistical class.

STAT 509 - Statistics for Engineers (3 Credits)

Basic probability and statistics with applications and examples in engineering. Elementary probability, random variables and their distribution, random processes, statistical inference, linear regression, correlation and basic design of experiments with application to quality assurance, reliability, and life testing. May not be taken concurrently with or after STAT 513, STAT 515, or STAT 516. Not for C.A.S., M.A.S., or Ph.D credit in Statistics.

Prerequisites: MATH 142 or equivalent.

STAT 511 - Probability (3 Credits)

Probability and independence; discrete and continuous random variables; joint, marginal, and conditional densities; moment generating functions; laws of large numbers; binomial, Poisson, gamma, univariate and bivariate normal distributions.

Prerequisite or Corequisite: C or better in MATH 241.

Cross-listed course: MATH 511

STAT 512 - Mathematical Statistics (3 Credits)

Functions of random variables, order statistics, sampling distributions, central limit theorem, quality of estimators, interval estimation, sufficient statistics, minimum-variance unbiased estimator, maximum likelihood, large-sample theory, introduction to hypothesis testing.

Prerequisites: C or better in STAT 511 or MATH 511.

STAT 513 - Theory of Statistical Inference (3 Credits)

Hypothesis testing, Neyman-Pearson lemma, likelihood ratio tests, power, the theory of linear models including multiple linear regression and ANOVA, the Chi-square goodness-of-fit test, Chi-square inference for contingency tables, Bayesian inference, and advanced topics including survival analysis (only if time permits).

Prerequisites: C or better in STAT 512.

STAT 515 - Statistical Methods I (3 Credits)

Applications and principles of elementary probability, essential discrete and continuous probability distributions, sampling distributions, estimation, and hypothesis testing. Inference for means, variances, proportions, one-way ANOVA, simple linear regression, and contingency tables. Statistical packages such as SAS or R. May not be taken concurrently with or after STAT 509, STAT 513, or STAT 516. Not for CAS, MAS, MS, or PhD credit in Statistics.

Prerequisites: C or higher in MATH 122 or MATH 141; or both MATH 111 or higher and any statistics class.

STAT 516 - Statistical Methods II (3 Credits)

Applications and principles of linear models. Simple and multiple linear regression, analysis of variance for basic designs, multiple comparisons, random effects, and analysis of covariance. Statistical packages such as SAS. Not for CAS, MAS, MS, or PhD credit in Statistics.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 517 - Advanced Statistical Models (3 Credits)

Theory and applications of advanced statistical models. Includes implementation and assessment of generalized linear, nonlinear and nonparametric regression, mixed effect, repeated measures, multivariate regression, and spatial models.

Prerequisites: STAT 512 or STAT 516 or equivalent.

STAT 518 - Nonparametric Statistical Methods (3 Credits)

Applications and principles of nonparametric statistics. Classical rank-based methods, and selected categorical data analysis and modern nonparametric methods. Statistical packages such as R.

Prerequisites: C or better in STAT 515, STAT 509 or STAT 512.

STAT 519 - Sampling (3 Credits)

Techniques of statistical sampling in finite populations with applications in the analysis of sample survey data. Topics include simple random sampling for means and proportions, stratified sampling, cluster sampling, ratio estimates, and two-stage sampling.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 520 - Forecasting and Time Series (3 Credits)

Time series analysis and forecasting using the multiple regression and Box-Jenkins approaches.

Prerequisites: C or better in STAT 516 or MGSC 391.

Cross-listed course: MGSC 520

STAT 521 - Applied Stochastic Processes (3 Credits)

An introduction to stochastic processes, including conditional probability, Markov chains, Poisson processes, and Brownian motion. Incorporates simulation and applications to actuarial science.

Prerequisites: C or higher in STAT 511.

STAT 522 - Financial Mathematics I (3 Credits)

Probability spaces. Random variables. Mean and variance. Geometric Brownian Motion and stock price dynamics. Interest rates and present value analysis. Pricing via arbitrage arguments. Options pricing and the Black-Scholes formula.

Prerequisites: C or better in MATH 241.

Cross-listed course: MATH 514

STAT 523 - Financial Mathematics II (3 Credits)

Convex sets. Separating Hyperplane Theorem. Fundamental Theorem of Asset Pricing. Risk and expected return. Minimum variance portfolios. Capital Asset Pricing Model. Martingales and options pricing. Optimization models and dynamic programming.

Prerequisites: C or better in MATH 514 or STAT 522.

Cross-listed course: MATH 515

STAT 525 - Statistical Quality Control (3 Credits)

Statistical procedures for process control including CUSUM and Shewhart Control Charts, and lot-acceptance sampling.

Prerequisites: STAT 509 or STAT 515 or MGSC 391.

Cross-listed course: MGSC 525

STAT 528 - Environmental Statistics (3 Credits)

Statistical analysis of environmental data. Review of multiple regression and ANOVA, nonlinear regression models and generalized linear models, analyses for temporally and spatially correlated data, and methods of environmental sampling.

Prerequisites: STAT 516.

STAT 530 - Applied Multivariate Statistics and Data Mining (3 Credits)

Introduction to fundamentals of multivariate statistics and data mining. Principal components and factor analysis; multidimensional scaling and cluster analysis; MANOVA and discriminant analysis; decision trees; and support vector machines. Use of appropriate software.

Prerequisites: C or higher in STAT 515, STAT 205, STAT 509, STAT 512, ECON 436, MGSC 391, PSYC 228, or equivalent.

STAT 535 - Introduction to Bayesian Data Analysis (3 Credits)

Principles of Bayesian statistics, including: one- and multi-sample analyses; Bayesian linear models; Monte Carlo approaches; prior elicitation; hypothesis testing and model selection; hierarchical models; selected advanced models; statistical packages such as WinBUGS and R.

Prerequisites: C or higher in STAT 512, CSCE 582 or STAT 582; or both STAT 511 and either STAT 509 or STAT 515; or equivalent.

STAT 540 - Computing in Statistics (3 Credits)

An introduction to statistical packages such as R and SAS with special focus on data management and computing procedures such as Monte Carlo simulation.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 541 - Advanced SAS Programming (3 Credits)

Advanced programming techniques in SAS, including database management, macro language, and efficient programming practices.

Prerequisites: STAT 540.

STAT 582 - Bayesian Networks and Decision Graphs (3 Credits)

Normative approaches to uncertainty in artificial intelligence.

Probabilistic and causal modeling with Bayesian networks and influence diagrams. Applications in decision analysis and support. Algorithms for probability update in graphical models.

Prerequisites: CSCE 350, STAT 509, or STAT 515.

Cross-listed course: CSCE 582

STAT 587 - Big Data Analytics (3 Credits)

Foundational techniques and tools required for data science and big data analytics. Concepts, principles, and techniques applicable to any technology or industry for establishing a baseline that can be enhanced by future study.

Prerequisites: STAT 509, STAT 513, or STAT 515.

Cross-listed course: CSCE 587

STAT 588 - Genomic Data Science (3 Credits)

This course focuses on quantitative knowledge for interdisciplinary applications in genetics as well as hands-on experience in analyzing genetic data. In this course, students will have programming exercises in using analysis tools to conduct genome-wide analysis, annotation, and interpretation of genetic data using R/Bioconductor packages.

Prerequisites: C or better in STAT 201 or higher.

Cross-listed course: BIOL 588

STAT 591 - Data Analysis for Teachers (3 Credits)

Introduction to statistics for elementary, middle, and high school teachers. The fundamentals of data collection, descriptive statistics, probability, and inference with special focus on methods of teaching statistical reasoning. For M.A.T. (excluding mathematics) / M.Ed. / M.T. and nondegree credit only.

Cross-listed course: SMED 591

STAT 599 - Topics in Statistics (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title.

STAT 600 - Statistics for Applied Management (3 Credits)

Introduction to data collection, descriptive statistics, and statistical inference with examples from hospitality, retail, sport, and entertainment management. Focus on selecting, implementing, and interpreting the appropriate statistical methods using software such as Excel and SPSS. Not for minor or degree credit in Mathematics or Statistics. Does not prepare students for STAT 516, STAT 518, STAT 519 or STAT 525.

STAT 650 - AP Statistics for Teachers (3 Credits)

A thorough study of the topics covered on the AP Statistics Examination. A non-calculus-based introduction, including descriptive and inferential one- and two-variable statistics, and emphasizing activities illustrating statistical thinking. Current secondary high school teacher certification in mathematics. For I.M.A./M.A.T. (excluding mathematics)/M.Ed./M.T. and nondegree credit only. Restricted to graduate students.

Statistics Minor

Minor Requirements (18 Hours)

- 18 hours of 500 level Statistics courses

Note: Credit will be given for only one of STAT 509 or STAT 515.

Statistics, B.S.

Learning Outcomes

- Students will demonstrate the ability to perform fundamental statistical analyses and to prepare informative graphics for public presentation.
- Students will demonstrate a mastery of probability and mathematical statistics at the mathematical level of calculus and linear algebra.
- Students will demonstrate the ability to use statistical programming languages.
- Students will demonstrate competency in technical writing and presentation.

Retention

To be retained in the program, a student must obtain a grade of C or higher in at most two attempts in all mathematics, computer science, and statistics courses required for graduation.

Transfer Requirement

Any student applying to transfer to the statistics major from other programs within the University, or from other accredited colleges and universities, is required to have earned a grade of "B" or higher in at least one of the following courses, or their equivalent: USC's MATH 141, MATH 142, STAT 509, or STAT 515. An AP or IB exam score that provides credit for MATH 142 also satisfies this requirement. STAT 509 and STAT 515 are advanced undergraduate courses. This requirement is in addition to the minimum University and College of Arts and Sciences requirements.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	15-19
3. Program Requirements	28-44
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141*
- MATH 142*

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-19 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

Analytical Reasoning (6-7 hours)

must be passed with a grade of C or higher

- MATH 344* or MATH 544*
- CSCE 145* or CSCE 206*

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (6 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (3 Hours)**
 - ENGL 363*, ENGL 462* or ENGL 463* *must be passed with a grade of C or higher*
 - A Bachelor of Science from the College of Arts and Sciences requires one 3-hour Fine Arts/Humanities Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)

3. Program Requirements (28-44 hours)

Supporting Courses (3 hours)

must be passed with a grade of C or higher

- MATH 241*

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

Unless otherwise noted, for Bachelor of Science degrees, cognate courses passed with a grade of D or higher are acceptable.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (7-29 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (27 hours)

a minimum grade of C is required in all major courses

Major Courses (18 hours)

Course	Title	Credits
Theory		
STAT 511	Probability ¹	3
STAT 512	Mathematical Statistics	3
STAT 513	Theory of Statistical Inference	3
Methods and Computation		
STAT 509 or STAT 515	Statistics for Engineers ² Statistical Methods I	3
STAT 516	Statistical Methods II	3
STAT 540	Computing in Statistics	3
Total Credit Hours		18

¹ A student double majoring in Mathematics and Statistics may use STAT 511 [=MATH 511] to satisfy a major requirement in both programs.

² Major credit will be given for only one of STAT 509 or STAT 515. Neither STAT 509 nor STAT 515 may be taken concurrently with, or after, STAT 513. A student who has started the Statistics major after taking STAT 512 may replace the STAT 509/STAT 515 requirement with an additional 3 hour advanced application course chosen from STAT 500 or above.

Major Electives (9 hours)

- Select three courses from STAT 500¹ or above

¹ Major credit will be given for only one of STAT 509 or STAT 515. Neither STAT 509 nor STAT 515 may be taken concurrently with, or after, STAT 513. A student who has started the Statistics major after taking STAT 512 may replace the STAT 509/STAT 515 requirement with an additional 3 hour advanced application course chosen from STAT 500 or above.

Major with Actuarial Science Concentration (27 hours)

The Concentration in Actuarial Science requires the Risk Management and Insurance Minor (p. 316) (18 hours).

Course	Title	Credits
Theory		
STAT 511	Probability ¹	3
STAT 512	Mathematical Statistics	3
STAT 513	Theory of Statistical Inference	3

Methods and Computation

STAT 509 or STAT 515	Statistics for Engineers ² Statistical Methods I	3
STAT 516	Statistical Methods II	3
STAT 540	Computing in Statistics	3

Advanced Applications

STAT 520	Forecasting and Time Series	3
STAT 521	Applied Stochastic Processes	3
Select one course from STAT 500 ²		3

Total Credit Hours **27**

¹ A student double majoring in Mathematics and Statistics may use STAT 511 [=MATH 511] to satisfy a major requirement in both programs.

² Major credit will be given for only one of STAT 509 or STAT 515. Neither STAT 509 nor STAT 515 may be taken concurrently with, or after, STAT 513. A student who has started the Statistics major after taking STAT 512 may replace the STAT 509/STAT 515 requirement with an additional 3 hour advanced application course chosen from STAT 500 or above.

Note: A student double majoring in Economics (in the College of Arts and Sciences) and Statistics may use the combination of both ECON 436 and STAT 506 in place of the combination of both STAT 516 and one of the STAT 500 or above advanced application courses for the Statistics major. In this case ECON 436 may satisfy a major requirement in both programs. ECON 436 and STAT 516 may not both be used to satisfy major requirements in Statistics.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Statistics, B.S. No Concentration

Statistics, B.S. Actuarial Science Concentration

Theatre and Dance

Department Website (<http://www.cas.sc.edu/thea/>)

Jim Hunter, *Chair*

Programs

The Department of Theatre and Dance offers the Bachelor of Arts degree with majors in theatre and dance.

Theatre

The theatre major is especially suitable for persons wishing a strong liberal arts education and/or preparation for careers in theatre, the entertainment industry, communication, education, law, medicine, the ministry, etc.

Dance

The Bachelor of Arts in Dance offers two concentrations: performance and choreography or dance education, and all students actively participate in departmental productions. The program is known for offering rigorous technical training while also providing opportunities for broad-based study in dance and beyond. Experience a world-class repertory, including historical dance works by George Balanchine, Martha Graham, Twyla Tharp, David Parsons, Lila York and Lynne Taylor Corbett, as well as original works by our eminent faculty. You will be exposed to dance techniques that include classical ballet, contemporary dance, jazz, musical theater and world dance. Students focusing in dance education have multiple opportunities to participate in professional learning experiences in a variety of educational and community settings while completing their studies. By extending the classroom into the field, students participate in hands-on learning that prepares them for teaching dance to a variety of populations while earning K-12 certification in dance.

Programs

- Dance Minor (p. 275)
- Dance, B.A. (p. 276)
- Theatre Minor (p. 279)
- Theatre, B.A. (p. 280)

Courses

DANC 101 - Dance Appreciation (3 Credits)

An eclectic survey of various dance forms including primitive, historic, ballet, modern, and Broadway musical.

Carolina Core: AIU

DANC 102A - Ballet Technique I (2 Credits)

A beginning study of ballet with emphasis on alignment, classical historical traditions, and combinations or movement. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 102B - Ballet Technique I (2 Credits)

A beginning study of ballet with emphasis on alignment, classical historical traditions, and combinations or movement. This course is for non dance majors. May be repeated up to six times for credit.

DANC 103 - The Dancer's Body (3 Credits)

Anatomy and movement analysis for dancers.

DANC 111A - World Dance I (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 111B - World Dance I (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for non dance majors. May be repeated up to six times for credit.

DANC 112A - Contemporary Dance Technique I (2 Credits)

An introduction to modern dance with the beginning practice of movement technique. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 112B - Contemporary Dance Technique I (2 Credits)

An introduction to modern dance with the beginning practice of movement technique. This course is for non dance majors. May be repeated up to six times for credit.

DANC 113A - World Dance II (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 113B - World Dance II (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for non dance majors. May be repeated up to six times for credit.

DANC 150 - Introduction to Dance (3 Credits)

Introduction to dance as art, communication, and cultural expression as it applies to a career in dance. Open to non-majors.

DANC 160A - Dance Improvisation and Composition (3 Credits)

An introductory course on dance composition and the creative process. Exploration and improvisation of different dance forms; specific choreographic tools. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 160B - Dance Improvisation and Composition (3 Credits)

An introductory course on dance composition and the creative process. Exploration and improvisation of different dance forms; specific choreographic tools. This course is for non dance majors. May be repeated up to six times for credit.

DANC 170 - Ballroom Dance I (2 Credits)

Introduction of six major dances (Foxtrot, Waltz, Tango, Cha Cha, Swing, and Rumba) to students with no dance experience. The emphasis will be on learning dance figures and patterns.

DANC 171 - Ballroom Dance II (2 Credits)

Intermediate steps will include challenging choreography or patterns. The emphasis in technique will be based on developing speed and elegance while dancing complex patterns.

Prerequisites: DANC 170 or equivalent.

DANC 177 - Dance Company I (1 Credit)

This course is designed for rehearsals leading to dance performances; and including student choreography, on stage productions, the dance touring ensemble and components of dance production. Repeat seven times.

DANC 178 - Jazz Dance Technique I (2 Credits)

A beginning level class focusing on coordination, rhythm, alignment, jazz vocabulary, and jazz dance positions. May be repeated up to six times for credit.

DANC 202A - Ballet Technique II (1-2 Credits)

Second level of classical ballet technique facilitating skill in allegro and adagio work. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 102A or equivalent.

DANC 202B - Ballet Technique II (1-2 Credits)

Second level of classical ballet technique facilitating skill in allegro and adagio work. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 102B or equivalent.

DANC 204 - Pointe II (1-2 Credits)

Pointe technique and skills on pointe, an extension of ballet technique at the foundational level. May be repeated four times.

Prerequisites: DANC 202 or equivalent.

DANC 212A - Contemporary Dance Technique II (1-2 Credits)

A second level of contemporary technique, with emphasis on skill refinement and aesthetic elements. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 112A or equivalent, placement audition or permission of instructor.

DANC 212B - Contemporary Dance Technique II (1-2 Credits)

A second level of contemporary technique, with emphasis on skill refinement and aesthetic elements. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 112B or equivalent, placement audition or permission of instructor.

DANC 260 - Laban Movement Analysis (3 Credits)

An examination of Laban Movement analysis – a language for understanding, observing, describing and notating all forms of movement. Experiential, analytical and performance teaching methods will be used.

Prerequisites: DANC 160.

DANC 270 - Dance Education I: Introduction to Dance Education (2 Credits)

An overview of state and national standards, theoretical and philosophical perspectives that shape current practices for teaching dance in K-12 environments, and arts/dance education advocacy. Not open to freshmen. It is recommended that students have completed at least three semesters of technique.

Prerequisites: DANC 150 and DANC 160A.

DANC 275 - Pilates I (2 Credits)

Innovative system of exercises for the mind and body. Teaching posture, body awareness, and easy graceful movement at a beginner's level.

DANC 278 - Jazz Dance Technique II (2 Credits)

An intermediate level class focusing on coordination, rhythm, alignment, jazz vocabulary, jazz dance positions, and expanded knowledge of theatrical jazz dance. May be repeated up to six times for credit.

Prerequisites: DANC 178.

DANC 281 - Dance History I (3 Credits)

Overview of the development of dance through the 19th century.

DANC 282 - Dance History II (3 Credits)

Development of dance from the 20th century to the present.

Prerequisites: DANC 281.

Graduation with Leadership Distinction: GLD: Global Learning

DANC 300 - Music for Dancers (3 Credits)

Rhythmic analysis, reading and metric patterns, construction and use of scores from musical theatre to symphonic orchestration with exercises to enhance the knowledge of relationship between dance and music.

DANC 302A - Ballet Technique III (1-2 Credits)

Third level of classical ballet technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 202A or equivalent.

DANC 302B - Ballet Technique III (1-2 Credits)

Third level of classical ballet technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 202B or equivalent.

DANC 303 - Pointe III (1-2 Credits)

Pointe technique and skills on pointe, an extension of ballet technique at the intermediate level. Study and execution of female variations from classical repertory. May be repeated four times.

Prerequisites: DANC 202 or equivalent.

DANC 304 - Intermediate Tap Dance (3 Credits)

Advanced fundamentals of tap dance, including intermediate/advanced rhythmic structure and incorporation of alignment and style.

Prerequisites: permission of instructor.

DANC 307 - West African Dance I (3 Credits)

The history and practice of indigenous West African dance.

DANC 310 - Dance Analysis and Criticism (3 Credits)

Theoretical practices and cultural perspectives of dance making.

Prerequisites: DANC 281 and DANC 282.

DANC 312A - Contemporary Dance Technique III (1-2 Credits)

A third level technique with refinement skills, and complex combinations. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 212A or equivalent.

DANC 312B - Contemporary Dance Technique III (1-2 Credits)

A third level technique with refinement skills, and complex combinations. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 212B or equivalent.

DANC 360 - Choreography I (3 Credits)

An intermediate level choreography and composition course designed to create and adapt work in different dance forms in modern, jazz, and ballet.

Prerequisites: DANC 260; recommend students to have completed at least three semesters of technique.

DANC 370 - Dance Education II: Creative Dance (3 Credits)

An introduction to motor development, movement concepts, elements, and skills that contribute to lesson planning, instruction, and assessment of creative dance in K-12 education. It is recommended that students have completed at least three semesters of ballet and contemporary technique and world dance.

Prerequisites: DANC 270 and 360.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

DANC 375 - Pilates II (2 Credits)

Innovative system of exercises for the mind and body. Teaching posture, body awareness, and easy graceful movement at an intermediate level.

Prerequisites: DANC 275 or equivalent.

DANC 377 - Historic Dance (3 Credits)

A course open to all students interested in gaining knowledge of early dances from the 15th Basse, Pavanne and Gaillarde of the Renaissance era to the Baroque dances from the court of Louis XIV.

DANC 378 - Jazz Dance Technique III (1-2 Credits)

Advanced-level jazz dance technique. May be repeated up to six times for credit.

DANC 380 - Movement and Dance for Musical Theatre (3 Credits)

Styles of movement and dance in musical theatre from the '20s, '30s, and '40s to modern contemporary musical theatre. Choreographing for musicals, cultural forms of dance, staging for vocal pieces.

DANC 381 - Dance History (3 Credits)

A survey of dance from ethnic and social to professional dance, from the time of the Greeks through the twentieth century.

DANC 382 - Body Conditioning/Gyrokinesis Method (2 Credits)

Body conditioning technique designed to increase strength, flexibility, and coordination, enhancing the dance students' performance ability and body awareness.

DANC 385 - Men's Ballet (1 Credit)

Study of the art of classical ballet for men with increased emphasis on facilitating skill in allegro and adagio work specific to male technique.

Prerequisites: 4 semesters of ballet or equivalent.

DANC 390 - Dance Studio Operation (3 Credits)

Advanced training methods and techniques in all forms of dance. Emphasis on recent research in dance curriculum and operational technique. For experienced dance teachers.

DANC 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

DANC 402A - Ballet Technique IV (1-2 Credits)

Intensive fourth level of classical ballet technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 302A or equivalent.

DANC 402B - Ballet Technique IV (1-2 Credits)

Intensive fourth level of classical ballet technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 302B or equivalent.

DANC 403 - Pointe Variations for Intermediate/Advanced Ballet (1-2 Credits)

Pointe technique, an extension of ballet technique skills on pointe. Study and execution of female variations from classical repertory. May be repeated four times.

DANC 407 - West African Dance II (3 Credits)

Study of the development of West African music and dance, emphasizing cultural, social, and physical influences. Exploration of the relationship between dancer and the drummer at an intermediate level.

Prerequisites: DANC 307.

DANC 412A - Contemporary Dance Technique IV (1-2 Credits)

Intensive advanced level contemporary dance technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 312A or equivalent.

DANC 412B - Contemporary Dance Technique IV (1-2 Credits)

Intensive advanced level contemporary dance technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 312B or equivalent.

DANC 420 - Teaching Methods of Ballet (3 Credits)

The foundations of ballet technique are analyzed systematically. Students will learn to teach ballet technique and organize course work for all levels. Recommend students to have completed at least four semesters of ballet technique.

DANC 421 - Teaching Methods of Contemporary Dance (3 Credits)

The foundations of contemporary dance technique are analyzed systematically. Students will learn to teach contemporary dance technique and organize course work for all levels. Recommend students to have completed at least four semesters of contemporary dance technique.

DANC 440 - Pas de Deux (Partnering) (1-2 Credits)

Study of the art of classical ballet pas de deux for men and women. Special attention will include adagio work from classical ballet repertory and contemporary dance.

Prerequisites: DANC 302 or equivalent.

DANC 450 - Musical Theatre Workshop (2 Credits)

Intensive musical theatre training in areas of song interpretation, musical theatre, dance, voice and acting.

Cross-listed course: MUSC 450, THEA 450

DANC 460 - Choreography II (3 Credits)

An intermediate level choreography course to further examine choreographic construction methods.

Prerequisites: DANC 160 and three semesters of technique courses.

DANC 470 - Dance Education III: Dance Pedagogy for Middle and High School (4 Credits)

Intensive study of content and strategies for teaching dance in middle and high school with particular emphasis on curriculum development, instruction, and assessment. Not open to freshmen or sophomores. Minimum of 90 hours in program of study.

Prerequisites: DANC 270, DANC 370, five semesters of ballet, five semesters of modern dance.

Graduation with Leadership Distinction: GLD: Community Service

DANC 471 - Synthesis of Dance Education Constructs (pre-internship seminar) (1 Credit)

Seminar allows students to synthesize content and skills from all previous dance and education coursework in conjunction with their student teaching experience.

Corequisite: DANC 479.

DANC 475 - Inner Mastery Through Movement (3 Credits)

A mind/body integration course designed for performing artists.

DANC 476 - Production Design for Dance (3 Credits)

Technical theatre functions, the structure and purpose of production design, and stage production as it relates to the whole of dance and theatrical performance.

DANC 478 - Integrated Approaches in Dance Education (5 Credits)

Study and application of strategies for teaching diverse learners, implementation of instructional technology in the dance classroom, and dance/arts integration.

Graduation with Leadership Distinction: GLD: Community Service

DANC 479 - Teaching Internship in Dance Education (12 Credits)

Practical demonstration of pedagogical knowledge, skill, and dispositions necessary to effectively teach in K-12 dance education as defined and measured by CAEP and ADEPT standards.

Prerequisites: Must have fulfilled all other program requirements except DANC 471 (and DANC 479), be admitted to the professional program, and approved for student teaching.

Corequisite: DANC 471.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

DANC 482 - Body Conditioning/Gyrokinesis Method II (1 Credit)

Body conditioning technique that simultaneously stretches and strengthens the body at an intermediate level. Gyrokinesis teaches complete freedom of movement through exercises synchronized with corresponding breathing patterns enhancing aerobic and cardiovascular stimulation and promoting neuromuscular awareness. Restricted to dance majors/minors only.

Prerequisites: DANC 382.

DANC 490 - Senior Capstone Dance Project (3 Credits)

Culmination of the performance/choreography dance emphasis. Senior project encompassing a choreographic work or research thesis.

Prerequisites: DANC 160 and DANC 360.

Graduation with Leadership Distinction: GLD: Research

DANC 500 - Selected Topics in Dance (1 Credit)

A series of courses, each lasting one-third of a semester. Topics and required courses are announced in the class schedule for each semester.

DANC 573 - Dancer's Workshop (1 Credit)

Individual advanced training in movement, improvisation, flexibility, and precision in dance styles including modern and ballet.

Prerequisites: graduate standing or three credits in dance.

DANC 577 - Dance Performance (3 Credits)

Rehearsal, choreographic analysis, and dance performance. All components of dance production—including music, costume, lighting, and scenery—will be considered.

Cross-listed course: PEDU 577

DANC 586 - The Articulate Body (3 Credits)

Theoretical and experimental exploration of the major body systems and development movements to bring more articulation to the body and more awareness and physical ease in performance.

Cross-listed course: THEA 586

DANC 599 - Special Topics in Dance (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

THEA 120 - Laboratory Theatre Production (1 Credit)

Procedures for implementation of processes involved in the Laboratory Theatre Production Program. Supervised preparation of all performance and production elements involved in the collaborative process of theatre production. Course content varies according to season production program. Permission of Instructor or by audition. May be repeated for credit.

THEA 121 - Theatre Running Crew Laboratory. (1 Credit)

Procedures and processes of running crews for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in various theatre production running crews (management, scenic, lighting, sound, costumes and makeup). Course content varies according to season production program. May be repeated for credit.

THEA 122 - Theatre Performance Laboratory (1 Credit)

Preparation and procedures of the rehearsal and performance processes for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in an acting company. Course content varies according to season production program. By audition only. May be repeated for credit.

Prerequisites: THEA 120.

THEA 123 - Theatre Production Studio (1 Credit)

Procedures and processes for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in various theatre production student crews (scenic, lighting, sound, costume, makeup, and promotions). Course content varies according to season production program.

Prerequisites: THEA 121.

THEA 170 - Fundamentals of Acting (3 Credits)

Introduction to the art and craft of acting. Practical exploration through improvisation and scripted scene work. Includes a brief history of the development of modern acting techniques.

Carolina Core: AIU

THEA 172 - Basic Stage Makeup (1 Credit)

The study and application of the principles of the art of makeup for the theatre.

THEA 181 - Shakespeare in Performance (3 Credits)

Introduction to Shakespeare's works on page, stage, and screen. Emphasis placed on performances of scripts. History of Shakespeare's works/productions, stage/screen technique. Viewings of film adaptations required.

Carolina Core: AIU

THEA 200 - Understanding and Appreciation of Theatre (3 Credits)

An introduction to the understanding and appreciation of theatrical experience. Attendance at theatrical performances required.

Carolina Core: AIU

THEA 201 - Introduction to Theatre Studies (3 Credits)

Introduction to methods of analyzing and interpreting drama, with emphasis on play structure, genre, and style. Designed for the theatre major in preparation for theatre scholarship, performance, production, and design.

Graduation with Leadership Distinction: GLD: Research

THEA 221 - Stage Management Laboratory (2 Credits)

Supervised participation in theatre stage management. May be repeated once for credit.

Prerequisites: THEA 120 and THEA 121.

THEA 225 - Introduction to Stage Management (3 Credits)

An introduction to the roles of the stage manager throughout theatrical productions that include pre-production planning, oversight of the rehearsal process, running technical rehearsals and performances, and completing post-production duties.

THEA 230 - Make-up Design for Theatre and Film (3 Credits)

Theory and practice of make-up design for theatre and film. The application of analytical and research skills in the visual development of the character.

THEA 240 - Beginning Voice and Speech (3 Credits)

Study and practical application of voice and speech fundamentals in performance. Emphasis on speaking with ease, power and clarity to impact an audience.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

THEA 241 - Voice and Speech Studio (1-3 Credits)

Training in vocal skills needed by actors such as dialect, verse speaking and voice for a variety of media. Maybe repeated for credit.

Prerequisites: THEA 240.

THEA 252 - Stage Costume Construction (3 Credits)

An introductory course in the principles and practice of costume construction.

THEA 253 - Stagecraft (3 Credits)

A beginning course in the principles and practice of scenic technology.

THEA 270 - Beginning Acting (3 Credits)

An exploration of the acting process through scene study. Focus will be on developing the actor's personal technique, emphasizing emotional truthfulness and authenticity.

Prerequisites: THEA 170 or declaration of major.

THEA 280 - Elements of Design for Theatre Production (3 Credits)

Foundational application of design principles and vocabulary as applied to the creative process in production design for theatre. Play analysis, creative and visual thinking, and graphic representation.

THEA 283 - Introduction to Theatre Sound Design (3 Credits)

Introduces the students to the basic principles of sound design and technology. Related topics include physics of sound, use and maintenance of equipment, script analysis, and creative thinking.

THEA 288 - Introduction to Stage Lighting (3 Credits)

Principles and practices of theatrical lighting design. Course not available for major credit.

THEA 340 - Literature and Performance (3 Credits)

Introduction to the study of literature through performance; reading, analysis, and performance of prose, poetry, nonfiction, and drama.

Cross-listed course: SPCH 340

THEA 359 - Theatrical Imagery (3 Credits)

The theory and application of visual imagery in theatrical design; identification and selection of historical motifs.

THEA 369 - Japanese Culture and Society through Theatre (3 Credits)

Introduction to Japanese traditional theatre and its influences on Japanese culture and society. Taught in English.

Cross-listed course: JAPA 351

THEA 370 - Intermediate Acting (3 Credits)

Development of acting skills through study of acting techniques emphasizing emotional truthfulness and authenticity. Application to scene study, monologues and auditions. Intensive script analysis for character development.

Prerequisites: THEA 170 or THEA 270.

THEA 372 - Acting from a Physical Point of View (3 Credits)

Development of physical acting skills related to modern acting techniques emphasizing emotional truthfulness and authenticity. Promoting the experience of full body awareness and expressiveness in character development and storytelling. Includes performative states of relaxation, balance and presence and ensemble work.

THEA 373 - Movement Laboratory (1 Credit)

Training in specific physical skills for actors: stage combat, mime, folk dance, tap dance, etc. May be repeated for credit.

THEA 375 - Inner Mastery Thought Movement (3 Credits)

A mind/body integration course designed for performing artists.

THEA 380 - Production Design for Theatre (3 Credits)

Principles of production design in scenery, costumes, lighting and sound. Play analysis, periods styles, creative and visual thinking and graphic representation.

Prerequisites: THEA 280.

THEA 390 - Beginning Acting for the Camera (3 Credits)

This course will explore a range of techniques that actors need to successfully perform on camera, such as script analysis, scene work, auditioning, understanding type, shooting self-tapes, and what to expect on set. It will also provide knowledge about filmmaking that will help the actor better fit into the industry.

Prerequisites: C or better in THEA 170 or THEA 270.

THEA 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

THEA 425 - Advanced Stage Management (3 Credits)

Delving deeper into the role of the stage manager in theatrical productions that includes problem solving, adapting to challenging situations, and distinguishing the various responsibilities of production assistants, assistant stage managers, and production stage managers and their collaborative contributions.

Prerequisites: C or better in THEA 225.

THEA 440 - Advanced Voice and Speech for the Actor. (3 Credits)

Advanced vocal techniques as applied to performance. Specific skills covered may include vocal flexibility and range, vocal dynamics, dialects, and voice-over technique.

Prerequisites: THEA 240.

THEA 442 - Accents and Dialects for the Actor (3 Credits)

Study and practical application of major accents and dialects used by actors in performance. Emphasis on acquiring the skills necessary for independent learning of an accent or dialect.

Prerequisites: C or better in THEA 240.

THEA 444 - Voice Over and Voice Acting (3 Credits)

Principles and practice of a wide range of voice-over including commercial and narrative styles. Development of character voice as applied to animation, gaming and/or other audio storytelling. Focus is on practical skills necessary for the profession.

Prerequisites: C or better in THEA 240.

THEA 450 - Musical Theatre Workshop (2 Credits)

Intensive musical theatre training in areas of song interpretation, musical theatre, dance, voice and acting.

Cross-listed course: DANC 450, MUSC 450

THEA 452 - Special Topics in Costume Technology (3 Credits)

A specialty skills course for advanced students of theatrical costume design and technology. Topics will include tailoring, fabric modification, needle arts, millinery, etc. Course may be repeated as topics vary.

Prerequisites: THEA 252.

THEA 453 - Computer Aided Drafting for Theatre (3 Credits)

Develop basic and intermediate skills in using computer aided drafting programs for theatrical designs and technical drawings.

THEA 481 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

THEA 489 - Introduction to Costume Design (3 Credits)

Introduction to the basic principles and elements of design as they apply to the costume designer. Script and character analysis, costume rendering, and production unity.

Prerequisites: THEA 280.

THEA 490 - Theatre Capstone Course (3 Credits)

Principles, procedures and practice of the creative and collaborative process. Aspects of the discipline with focus on creative and effective collaboration and communication skills among theatre artists, scholars and technicians. Practical and planning skills for professional success after graduation.

Prerequisites: THEA 270 and THEA 280, and 6 hours from 300 level class or above.

THEA 500 - Selected Topics in Theatre (1 Credit)

A series of courses, each lasting one-third of a semester. Topics and prerequisites are announced in the class schedule for each semester.

THEA 510 - Rendering Techniques for the Theatre (3 Credits)

Rendering techniques for the communication of concepts and mood in the design process.

THEA 520 - Playwright's Workshop (3 Credits)

Principles and practice of playwriting. Writing, adapting, and revising plays. May be repeated with consent of department chair.

THEA 522 - Drama in Education (3 Credits)

Comprehensive review of drama strategies, methods and pedagogical practices to be applied to non-drama learning contexts. Practical experience with the necessary skills, philosophies and techniques of drama in education.

THEA 526 - Children's Theatre (3 Credits)

Special problems in producing plays for child audiences.

Prerequisites: THEA 170 and THEA 253.

THEA 527 - Applied Theatre Arts (3 Credits)

Principles and practices of theatre-making within community contexts to address local issues and to provide aesthetic strategies for creative problem solving through theatre.

THEA 529 - Theatre Management (3 Credits)

Problems involved in organizing, administering, and promoting the non-professional theatre.

THEA 530 - Period Styles for Wig and Hair Design (3 Credits)

Research and execution of period styles for wigs, hair, and facial pieces as related to theatrical and media design.

Prerequisites: THEA 230 and THEA 550.

THEA 531 - Theatre Graphics (3 Credits)

Specialized graphic techniques used in the preparation of a theatrical production. Practice in the execution and interpretation of working drawings, perspective sketches, color renderings, scale models, etc.

THEA 540 - Voice and Movement: Practice and Performance (3 Credits)

A variety of vocal and movement techniques that apply to acting and coaching with special emphasis on the physical and vocal processes in performance.

THEA 547 - Global/Contextual Issues in Theatre Education Practice and Performance (3 Credits)

Survey and analysis of current drama teacher practice across international contexts in relationship to global, social and educational change.

THEA 550 - History of Costume (3 Credits)

A survey of clothing through the ages with emphasis on the dress of the actor in significant periods of theatrical activity. From ancient times to present day.

THEA 552 - Stage Costume Pattern Drafting and Drawing (3 Credits)

The principles of pattern making for costume construction using flat-pattern and draping techniques.

THEA 553 - Advanced Stagecraft (3 Credits)

Advanced principles and practices of stagecraft.

Prerequisites: THEA 253 or equivalent.

THEA 554 - Performing Arts Safety (3 Credits)

Study of health and safety hazards for actors, technicians, and audience members.

THEA 555 - Scene Painting for the Stage (3 Credits)

Techniques of scene painting. Application of principles of painting to the stage.

THEA 556 - Stage Design (3 Credits)

Survey of the history and principles of scene design. Assignments will involve drawings, watercolor sketches, and scale models.

THEA 557 - Advanced Scenic Design (3 Credits)

Advanced procedures and techniques of scenic design.

Prerequisites: THEA 556.

THEA 558 - Draping for the Modern Silhouette (3 Credits)

Apparel design through basic draping techniques on industry standard dress forms. Analysis of fit and design, problem solving and interaction of fabric characteristics with style features.

Prerequisites: B or better in THEA 551.

THEA 559 - Introductory Methods for K-12 Theatre Certification (3 Credits)

Developmental approaches to drama instruction in K-12 classroom settings.

THEA 561 - History of the Theatre I (3 Credits)

A survey of plays, playwrights, actors, production, and the physical development of theatres from the time of the Greeks to 1660; reading of representative plays required.

THEA 562 - History of the Theatre II (3 Credits)

A survey of plays, playwrights, actors, production, and the physical development of theatres from 1660 to the present; reading of representative plays required.

THEA 563 - History of Modern Theatre (3 Credits)

History of Western Theatre since the early 20th century. Students will be introduced to major figures, plays, and movements and explore influences from the broader culture on theatrical expression.

THEA 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Cross-listed course: AFAM 565, ENGL 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

THEA 567 - Dramatic Theory I (3 Credits)

A survey of the major works of dramatic theory and criticism, with emphasis on theories of theatrical performance. from Aristotle through 18th-century neo-classicism.

THEA 568 - Dramatic Theory II (3 Credits)

A survey of the major works of dramatic theory and criticism, with emphasis on theories of theatrical performance from the 18th century to the present.

THEA 569 - Dramaturgy (3 Credits)

A study of dramatic structure as it relates to theatrical production. Emphasis on script reading and analysis. Production and new-works dramaturgy will be covered.

THEA 570 - Advanced Acting I (3 Credits)

Theory and practice in the development of a role and an understanding of the psychology of the audience-actor relationship.

Prerequisites: B or better in THEA 240 and THEA 372 and THEA 370.

THEA 571 - Advanced Acting II (3 Credits)

Technique of performing play scripts with heightened language and styles other than naturalism/realism. Some examples of genres that may be taught are Classical Greek, Elizabethan, absurdist.

Prerequisites: B or better in THEA 240 and THEA 372 and THEA 370.

THEA 572 - Advanced Makeup for Theatre and Film (3 Credits)

Makeup design for specific character types, prosthetics and three-dimensional makeup effects. Special attention to the process of sculpting and modeling for makeup prosthetics.

Prerequisites: THEA 230.

THEA 575 - Rehearsal and Performance (3 Credits)

An intensive laboratory course in theatrical and media performances.

THEA 576 - Rehearsal and Performance (3 Credits)

An intensive laboratory course in repertory theatre.

THEA 577 - Special Topics in Physical Theatre (3 Credits)

Research and performance training in selected topics related to physical theatre. Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

THEA 578 - Play Direction I (3 Credits)

A study of the principles, procedures and practice of stage direction, with the selection, analysis, casting, and rehearsal of a one-act play to be presented in the laboratory theatre.

Prerequisites: THEA 270, THEA 280, and 6 hours from 300 level or above.

THEA 579 - Play Direction II (3 Credits)

A continuation of THEA 578.

Prerequisites: THEA 578.

THEA 581 - Film as Performance (3 Credits)

Study and analysis of film production, performance, and aesthetics.

THEA 582 - Costume Design (3 Credits)

Theory and practice in the design of theatre costumes.

THEA 583 - Advanced Practice in Sound Design (3 Credits)

Advanced study in sound, production and design. Emphasis will be on mounting designs and refining design skills for Theatre, Music, and Media Arts students.

THEA 585 - Design for Communications Media Production (3 Credits)

The study and application of techniques in theatrical stagecraft, design, lighting, costuming, and makeup applicable to specialized fields of communication media.

Prerequisites: THEA 253, THEA 351.

THEA 586 - The Articulate Body (3 Credits)

Theoretical and experimental exploration of the major body systems and developmental movements to bring more articulation to the body and more awareness and physical ease in performance.

Cross-listed course: DANC 586

THEA 587 - Film and Television Acting (3 Credits)

Theory and practice of film and television acting.

Prerequisites: THEA 170.

THEA 588 - Stage Light Design I (3 Credits)

The interrelationship of stage lighting and other production elements. Design techniques, equipment, and script analysis. Laboratory work on department productions. Restricted to theatre majors or those having special permission of instructor.

THEA 589 - Adv. Stage Lighting Des. II (3 Credits)

Stage lighting equipment and design techniques. Laboratory work on departmental productions.

THEA 590 - Advanced Acting for the Camera (3 Credits)

This course explores a range of techniques that actors need for a successful career acting on camera, such as script analysis, building a reel, collaboration on set, and creating original content. It also provides knowledge about filmmaking that will help the actor better fit into the industry.

Prerequisites: D or better in THEA 390.

THEA 599 - Special Topics in Theatre (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

Dance Minor

Minor Requirements (18 Hours)

The dance minor consists of completion of 18 credit hours with courses selected from each section below.

Course	Title	Credits
Dance Technique Courses		
Select 6-9 hours of dance technique courses with at least 3 credits in 6-9 200-level or above		
DANC 102A	Ballet Technique I	
DANC 112A	Contemporary Dance Technique I	
DANC 170	Ballroom Dance I	
DANC 171	Ballroom Dance II	
DANC 178	Jazz Dance Technique I	
DANC 202A	Ballet Technique II	
DANC 204	Pointe II	
DANC 212A	Contemporary Dance Technique II	
DANC 278	Jazz Dance Technique II	
DANC 302A	Ballet Technique III	
DANC 303	Pointe III	
DANC 304	Intermediate Tap Dance	

DANC 307	West African Dance I	
DANC 312A	Contemporary Dance Technique III	
DANC 378	Jazz Dance Technique III	
DANC 380	Movement and Dance for Musical Theatre	
DANC 385	Men's Ballet	
DANC 402A	Ballet Technique IV	
DANC 403	Pointe Variations for Intermediate/Advanced Ballet	
DANC 407	West African Dance II	
DANC 412A	Contemporary Dance Technique IV	
Performance and Choreography		3-6
DANC 160A	Dance Improvisation and Composition	
DANC 177	Dance Company I	
DANC 360	Choreography I	
DANC 577	Dance Performance	
Theoretical Studies in Dance		3-9
History, Culture, and Criticism		
DANC 101	Dance Appreciation	
DANC 111A	World Dance I	
DANC 113A	World Dance II	
DANC 150	Introduction to Dance	
DANC 281	Dance History I	
DANC 282	Dance History II	
DANC 310	Dance Analysis and Criticism	
DANC 377	Historic Dance	
DANC 381	Dance History	
Dance Practice and Pedagogy		
DANC 270	Dance Education I: Introduction to Dance Education	
DANC 300	Music for Dancers	
DANC 370	Dance Education II: Creative Dance	
DANC 390	Dance Studio Operation	
DANC 420	Teaching Methods of Ballet	
DANC 421	Teaching Methods of Contemporary Dance	
DANC 476	Production Design for Dance	
Somatic Practices		
DANC 103	The Dancer's Body	
DANC 260	Laban Movement Analysis	
DANC 275	Pilates I	
DANC 375	Pilates II	
DANC 382	Body Conditioning/Gyrokinesis Method	
DANC 475	Inner Mastery Through Movement	
DANC 482	Body Conditioning/Gyrokinesis Method II	
DANC 586	The Articulate Body	
Total Credit Hours		12-24

Dance, B.A.

The Bachelor of Arts with a major in Dance offers two concentrations:

1. Performance and Choreography with focuses in ballet or contemporary dance and
2. Dance Education K-12.

The performance and choreography focus in classical ballet requires 8 ballet techniques and 4 contemporary techniques classes. The contemporary dance focus requires 6 contemporary techniques, 4 ballet techniques and 2 techniques of other forms of dance. Academic coursework such as choreography, dance history, and theory courses are also included in the major requirements for a degree in dance. Dance performances include full-length ballet productions, classical repertory and contemporary works.

Learning Outcomes

- Dance majors will demonstrate an advanced level of technical proficiency in ballet and / or contemporary dance. Dance majors in Performance as well as Dance Education must achieve level three by graduation.
- Students will be able to write about dance in an educated manner and use critical approaches to evaluate dance.
- Students will describe the principles and theories of dance artists, their theories and choreographic strengths and also the material that pertains to history and cultural dance.
- Students will be able to verbally articulate the principles and theories of dance artists and their significance in terms of history and cultural dance.
- Students are expected to demonstrate an appropriate level of knowledge about theoretical perspectives in dance education, instruction, assessment, dance education content, classroom management, and leadership in dance education in order to proceed to the professional program and student teaching.

Admission Requirements

1. Entering freshmen and transfer students must meet University admissions requirements and academic standards.
2. Initial acceptance into the dance major is dependent upon a qualifying dance audition in ballet and contemporary dance.
3. Dance majors are encouraged to complete all four years at USC, Columbia campus, due to the rigorous and ongoing nature of the technical proficiency, as well as company requirements. If a student chooses to transfer into the dance major, additional coursework may be necessary to remedy deficiencies.
4. Students who wish to enter the program from another major on the Columbia campus or from another USC campus must be in good standing and have a cumulative GPA of 2.00 or higher.

Progression Requirements

1. At the end of each semester, dance majors will be evaluated for proficiency and progression to the next level of dance technique based on rubrics and syllabi. To graduate, students must complete DANC 302 and DANC 312.
2. All dance majors with an emphasis in dance education must fulfill admission requirements for the Professional Education Program and Internship.
3. To remain in the dance major, a student must make satisfactory progress towards a degree. A student who fails to make satisfactory progress may be placed on academic probation or removed from the college.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	0-41
4. Major Requirements	32-70

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)
 - *The following must be passed with a grade of C or higher (C+ or higher for Dance Education K-12 Certification):*
 - DANC 150*
 - DANC 281*
 - DANC 282*

3. Program Requirements (0-41 hours)

Cognate or Minor (12-18 hours) *optional for Dance Education K-12 Certification Concentration*

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (0-29 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (32-70 hours)

A minimum grade of C is required in all major courses. (C+ or higher for Dance Education K-12 Certification)

Choose one of the following concentrations:

Performance and Choreography (32 hours)

Course	Title	Credits
DANC 103	The Dancer's Body	3
DANC 160A	Dance Improvisation and Composition	3
DANC 360	Choreography I	3
DANC 490	Senior Capstone Dance Project	3
Techniques		
Select either Ballet or Contemporary Dance:		15-24
Ballet:		
Eight ballet techniques		
Four contemporary techniques		
Contemporary:		
Six contemporary techniques		
Four ballet techniques		
Two techniques of other forms of dance		
Dance Company		
DANC 177	Dance Company I	5
Total Credit Hours		32-41

Note: Students must meet both the number of credits and distribution of technique requirements listed. Some techniques courses are variable credit. To graduate with a major in dance, students must successfully complete DANC 302A and DANC 312A. Students may take up to 24 hours of techniques courses toward the major.

Dance Education K-12 Certification (70 hours)

Dance majors with an emphasis in Dance Education K-12 teacher certification must meet USC and South Carolina Department of Education requirements in order to be recommended for certification (includes passing state-required examinations). An application for certification

is required. Contact the College of Education, Office of Student Affairs, 803-777-6732.

Course	Title	Credits
DANC 103	The Dancer's Body	3
DANC 160A	Dance Improvisation and Composition	3
DANC 360	Choreography I	3
DANC 476	Production Design for Dance	3

Techniques

The following courses must be taken 4 times each:

DANC 202A	Ballet Technique II	4
DANC 302A	Ballet Technique III	4
DANC 402A	Ballet Technique IV	4

The following courses must be taken 4 times each:

DANC 212A	Contemporary Dance Technique II	4
DANC 312A	Contemporary Dance Technique III	4
DANC 412A	Contemporary Dance Technique IV	4

Select two hours of the following world dance forms courses: 2

DANC 111A	World Dance I	2
or DANC 113A	World Dance II	
DANC 307	West African Dance I	2
or DANC 407	West African Dance II	

DANC 380	Movement and Dance for Musical Theatre	3
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Dance Company

DANC 177	Dance Company I	3
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Professional Education

DANC 270	Dance Education I: Introduction to Dance Education	2
DANC 370	Dance Education II: Creative Dance	3
DANC 470	Dance Education III: Dance Pedagogy for Middle and High School	4
DANC 471	Synthesis of Dance Education Constructs (pre-internship seminar)	1
DANC 478	Integrated Approaches in Dance Education	5
DANC 479	Teaching Internship in Dance Education	12

Education Courses

EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
PEDU 515	Physical Education for Inclusion	3
or EDEX 523	Introduction to Exceptional Children	
EDRD 500	Content Area Literacy PK-12	3

Notes:

- Students must successfully complete DANC 302A and DANC 312A with a C+ or better.
- Ballet and contemporary technique courses are variable credit.
- Students must meet both the number of credits and distribution of technique requirements listed above.

Professional Education Program Requirements

The dance major with an emphasis in dance education supports prospective teachers in developing both in-depth content knowledge and appropriate knowledge, skills, and dispositions of teaching required in today's classrooms.

Extensive clinical experiences in a variety of appropriate K-12 classrooms and schools are a central component of the program.

Application and admission to the Professional Program in Education (typically at 60 credit hours) and admission to Internship are required for all majors seeking teacher certification. All teacher education candidates must adhere to all education policies and procedures related to clinical experiences. Information on education applications, policies, and procedures is available from the College of Education, Advising and Student Services office at 803-777-6732.

Specific requirements in dance education for Admission to Internship II/ Student Teaching include the following:

1. Admission to the Professional Program.
2. Maintenance of minimum collegiate summary grade point average as required for admission to the Professional Program.
3. Successful Completion of DANC 270, DANC 370, DANC 470, and DANC 478; all courses within the dance major and all performance practicum requirements.
4. A grade of C+ or better in all dance, dance education and education courses.
5. Successful completion of 100 practicum hours completed during the dance education coursework.
6. Satisfactory performance in the area of teacher education dispositions.
7. SLED clearance through fingerprinting and background check requirements.
8. Successful completion of the application for student teaching.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Dance, B.A. Performance and Choreography Concentration

Dance, B.A. Dance Education K-12 Certification Concentration

Theatre Minor

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
THEA 200	Understanding and Appreciation of Theatre	3
or THEA 201	Introduction to Theatre Studies	
THEA 170	Fundamentals of Acting	3
or THEA 270	Beginning Acting	
THEA 253	Stagecraft	3
or THEA 280	Elements of Design for Theatre Production	
Electives		
Select three hours of THEA 200 or above		3

Select six hours of THEA 300 or above

6

Total Credit Hours**18**

Theatre, B.A.

Learning Outcomes

- Students will develop the ability to think critically by producing text analysis of playscripts as well as written critiques of department productions. They will demonstrate skills in preparing text analysis from the various viewpoints of all theatre collaborators.
- Students will demonstrate an understanding of the collaborative process as an important aspect of the artistic process in theatrical performances.
- Students will develop an artistic process by demonstrating the knowledge, vocabulary, and application of training and skills presented in classroom production projects and/or departmental theatre productions.
- Students will demonstrate a general knowledge of significant developments in the history of western theatre and drama through the investigation of plays, playwrights, actors, productions, and the physical development of theatres from the time of the Ancient Greeks to the present.
- Students will develop the ability to think critically by producing text analysis of playscripts as well as written critiques of department productions. They will demonstrate skills in preparing text analysis from the various viewpoints of all theatre collaborators.
- Students will demonstrate an understanding of the collaborative process as an important aspect of the artistic process in theatrical performances.
- Students will develop an artistic process by demonstrating the knowledge vocabulary and application of training and skills presented in classroom production projects and/or departmental theatre productions.
- Students will demonstrate a general knowledge of significant developments in the history of western theatre and drama through the investigation of plays playwrights actors productions and the physical development of theatres from the time of the Ancient Greeks to the present.
- Students will develop the ability to think critically by producing text analysis of playscripts as well as written critiques of department productions. They will demonstrate skills in preparing text analysis from the various viewpoints of all theatre collaborators.
- Students will demonstrate an understanding of the collaborative process as an important aspect of the artistic process in theatrical performances.
- Students will develop an artistic process by demonstrating the knowledge vocabulary and application of training and skills presented in classroom production projects and/or departmental theatre productions.
- Students will demonstrate a general knowledge of significant developments in the history of western theatre and drama through the investigation of plays playwrights actors productions and the physical development of theatres from the time of the Ancient Greeks to the present.

Admissions

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the college. A student who wishes to enter the College of Arts and Sciences from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.00 or higher. A student who wishes to enter the College of Arts and Sciences from another UofSC campus must fulfill one of the following requirements:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.00 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.00 or higher on a UofSC campus.

Some programs in the College of Arts and Sciences have special admission requirements established by the department or committee that supervises the specific degree program, for example, Cardiovascular Technology, Biological Sciences, Chemistry, Biochemistry and Molecular Biology, Economics, Environmental Science, the Bachelor of Arts in Interdisciplinary Studies, and the Bachelor of Science in Interdisciplinary Studies. These requirements are listed in the sections of this bulletin that describe department and special degree programs.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	15-18
3. Program Requirements	27-42
4. Major Requirements	31

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW course (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP course (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI laboratory science courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (15-18 hours) Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

The College of Arts and Sciences requires one additional GHS course beyond the Carolina Core GHS requirement.

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the College of Arts and Sciences history requirement must be fulfilled by a **U.S. history** course.

Please select the College of Arts and Sciences history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>).

Social Science and Fine Arts or Humanities (12 hours)

- **Social Science (3 hours)**
 - The College of Arts and Science requires one 3- hour Social Science Course (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science/>)
- **Fine Arts/Humanities (9 Hours)**
 - A Bachelor of Arts from the College of Arts and Sciences requires three 3-hour Fine Arts/Humanities Courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-fine-arts-humanities/>)
 - THEA 201*

3. Program Requirements (27-42 hours) Supporting Courses (6 hours)

must be passed with a grade of C or higher

- Select 6 hours of dramatic literature from ENGL 300 or above (*may apply towards fulfillment of the cognate*)

Cognate or Minor (12-18 hours)

Students must complete a cognate (12 hours) or a minor as part of this program. In lieu of a cognate or minor, an additional major may be added to a student's program of study. **Additional majors must include all major courses as well as any prescribed courses noted (*) in the bulletin.** Prescribed courses noted in the bulletin may be shared with Carolina Core, College requirements, and Program requirements in the primary program.

Cognate (12 hours)

The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. The cognate may be taken in one or more departments or programs.

Courses offered by departments and programs that are acceptable for cognate credit are outlined in the section titled Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences (p. 286). Some major programs have specific cognate requirements. It should be emphasized that the cognate is not a second set of elective courses to be chosen at random by the student. Students are urged to consult their major advisors for specific requirements in their major.

For Bachelor of Arts degrees, all cognate courses must be passed with a grade of C or higher.

Minor (18 hours)

In place of the cognate a student in the College of Arts and Sciences may choose a minor consisting of at least 18 credit hours of prescribed courses.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must follow a structured sequence.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. **All minor courses must be passed with a grade of C or higher.** At least half of the courses in the minor must be completed in residence at the University.

A list of minor programs of study can be found at Programs A-Z (p. 10).

Electives (3-24 hours)

120 (or 128) degree applicable credits are required to complete any degree at UofSC. After the cognate, minor or second major is complete, any additional credits needed to reach 120 (or 128) total credits can be fulfilled by electives. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the College of Arts and Sciences. The College of Arts and Sciences allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the College of Arts and Sciences.

4. Major Requirements (31 hours)

A minimum grade of C is required in all major courses.

Major Courses (19 hours)

Course	Title	Credits
THEA 270	Beginning Acting	3
THEA 280	Elements of Design for Theatre Production	3
THEA 561	History of the Theatre I	3
THEA 562	History of the Theatre II	3
THEA 490 or THEA 578	Theatre Capstone Course Play Direction I	3
Theatre Production Laboratory: ¹		
THEA 120	Laboratory Theatre Production	1
THEA 121	Theatre Running Crew Laboratory.	1
Select two hours from the following:		2
THEA 122	Theatre Performance Laboratory	
THEA 123	Theatre Production Studio	
THEA 221	Stage Management Laboratory	
Total Credit Hours		19

¹ All Theatre lab courses maybe repeated for credit. THEA 120 and THEA 121 are required Laboratory credits. THEA 120 must be completed within the first year of declaring the Theatre major.

Major Electives (12 hours)

- Select 6 hours from THEA 200-300 level
- Select 6 hours from THEA 400 level or above

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Theatre, B.A.

Women's and Gender Studies

Department Website (<http://artsandsciences.sc.edu/wgst/>)

Carla A. Pfeffer, *Director*

The Women's and Gender Studies Program at the University of South Carolina promotes an understanding of the experiences of women and other underrepresented groups through a complete program of teaching, research, and service to the University, the local community, the state, the nation and the global community. Through its research mission, the program reconceptualizes knowledge, creates new knowledge, and reinterprets existing knowledge through the lens of gender and the prism of diversity. Its teaching mission is to share this knowledge with students so that they learn to think critically, to communicate effectively, to solve problems, and to interpret human experience. Emerging from an activist tradition, the program serves University, local, state, national and global communities by acting as a resource and guide for issues related to women and gender. Our research, teaching, and service missions interweave as we create, share, and apply the knowledge, skills, and values that promote the full participation of women and other underrepresented groups in society.

There are two introductory courses: WGST 112 and WGST 113. Students in the College of Arts and Sciences and the School of Music may apply WGST 112 for social science general education requirements. WGST 112 may be counted for elective credit in the Moore School of Business, the School of Journalism and Mass Communications, and the College of Nursing.

Women's and Gender Studies Minor

Students may minor in women's and gender studies by completing 18 hours of specified courses.

Bachelor of Arts in Women's and Gender Studies

A student may also pursue a major in the field through the Bachelor of Arts degree with a major in women's and gender studies.

Further information may be obtained from the College of Arts and Sciences or the Women's and Gender Studies.

Programs

- Women's and Gender Studies Minor (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/womens-gender-studies/womens-gender-studies-minor/>)

- Women's and Gender Studies, B.A. (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/womens-gender-studies/womens-gender-studies-ba/>)

Courses

WGST 112 - Introduction to Women's and Gender Studies (3 Credits)

A social science perspective of women in psychological, sociological, historical, anthropological, economic, and political contexts; the changing roles, images, and institutions.

Carolina Core: GSS, VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

WGST 113 - Women's Health (3 Credits)

Basic functioning of the female body; effects of society on processes of health and disease. Not for natural sciences credit.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 207 - Gender and Culture (3 Credits)

Anthropological study of gender, with emphasis on cross-cultural investigation of the interaction of biological, cultural, and environmental factors including intersections of race, social class, and sexuality as influences gender behavior.

Cross-listed course: ANTH 207

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 210 - Human Life Cycles in Different Cultures (3 Credits)

Childhood, maturity, old age, and gender socialization within the family.

Cross-listed course: ANTH 210

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 298 - Issues in Women's and Gender Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 299 - Women's and Gender Studies Internship for Non-Majors (3 Credits)

Supervised experience addressing a community organization's needs and allowing the student to explore an aspect of the community related to women's and gender studies issues. Contract approval by advisor required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 300 - Sex and Gender (3 Credits)

Offers a sociological lens to develop critical ways of thinking about sex and gender as social processes in everyday lives. This course considers how sex and gender shape and affect the experiences of women, men, girls, boys, and individuals who live in the spaces in-between (those who are intersex or transgender) across a wide range of social institutions (family, work, education, politics, etc.).

Prerequisites: SOCY 101.

Cross-listed course: SOCY 301

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 301 - Psychology of Marriage (3 Credits)

The psychological, physiological, and social characteristics of marriage.

Cross-listed course: PSYC 301

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 304 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Cross-listed course: POLI 305, SOCY 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 305 - Sociology of Families (3 Credits)

Sociological perspectives related to various aspects of family behaviors, roles, and values.

Cross-listed course: SOCY 305

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 306 - Gender, Race and Social Justice (3 Credits)

This course introduces anti-oppressive theoretical and applied approaches to understand and address intersections of gender and racial inequality. Social welfare policies and services available to women in contexts such as criminal justice, behavioral health, child welfare, and the military are examined.

Cross-listed course: SOWK 305

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 307 - Feminist Theory (3 Credits)

Historical development of feminist theory and contemporary debates within feminism.

Cross-listed course: POLI 307

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 308 - African-American Feminist Theory (3 Credits)

An interdisciplinary survey of the contributions of African-American women to feminist theory.

Cross-listed course: AFAM 308

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 309 - LGBTQ+ Studies (3 Credits)

Overview of theories, history, literature, politics, legal, health, and social issues connected to sexualities, including the intersections of gender, race, and social class.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 310 - Psychology of Women (3 Credits)

Women's experiences: childhood and adolescence, work, family, cultural images, adjustment and social change.

Cross-listed course: PSYC 310

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 311 - Minorities, Women, and the Mass Media (3 Credits)

The study of the relationship among persons of color, women, and the mass media.

Cross-listed course: JOUR 311

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 320 - Sexuality and Gender in Ancient Greece (3 Credits)

Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes toward homosexuality; the modern media's representation of famous Greeks.

Cross-listed course: CLAS 320

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 321 - Sexuality, Gender, and Power in Ancient Rome (3 Credits)

Sexuality as a social construct exemplified in standards of sexual behavior in ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes toward homosexuality.

Cross-listed course: CLAS 321

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 333 - Sex, Gender, and Religion (3 Credits)

Gender and sexuality in the shaping of social and individual identity in religious contexts.

Cross-listed course: RELG 333

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 334 - Feminist Philosophy (3 Credits)

Introduces feminist philosophy and applications to philosophical problems.

Cross-listed course: PHIL 334

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 335 - Women in China (3 Credits)

Introduces the connection between gender and the Chinese national imagination. Readings include cultural and historical documents that purport to explain the experience of women in China. Readings in English. Taught in English.

Cross-listed course: CHIN 335

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 351 - The Family in Cross-Cultural Perspective (3 Credits)

Kinship, systems of descent, marriage, and domestic organization in different cultures. Variations in childrearing practices, gender, and other aspects of social relations in kin groups. Cross-listed Course: ANTH 351

Cross-listed course: ANTH 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 352 - Gender and Politics (3 Credits)

Impact of gender on the distribution of power in society; foundations for intersections of gender, race, social class, and sexuality and their economic, social, and political concomitants.

Cross-listed course: POLI 352

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 376 - Holy Women (3 Credits)

Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

Cross-listed course: RELG 376

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 379 - Women in Modern Europe (3 Credits)

Survey of women in European history from the eighteenth to the twenty-first century. Focus on women's citizenship beginning with Enlightenment idea of rights through developments in modern feminism.

Cross-listed course: HIST 379

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 381 - Gender and Globalization (3 Credits)

Examines the dialectic between globalization and the social construction of gender. Topics include the global assembly line, transnational markets for domestic labor and sex workers, and global feminist alliances.

Prerequisites: C or better in ANTH 102 or WGST 112.

Cross-listed course: ANTH 381

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 388 - Cultures, Pregnancy, and Birth (3 Credits)

Anthropological study of pregnancy and birth with a cross-cultural focus comparing the United States to other nations. Examination of cultural factors such as prenatal care, dietary practices, taboos, birth location, practitioners, and birthing styles.

Cross-listed course: ANTH 388

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 392 - Global Women's Health (3 Credits)

This course examines health concerns important in the lives of women around the world through an overview of contemporary issues and challenges in the field of global health, broadly construed.

Cross-listed course: ANTH 392

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 398 - Special Topics in Women's and Gender Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 399 - Independent Study (3 Credits)

Contract approved by instructor, advisor, and director of women's studies required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

WGST 430 - Topics in Women's Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 431 - Women's Studies Workshop (1 Credit)

Selected small action-research project on selected issue(s) in women's studies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

WGST 432 - Men and Masculinities (3 Credits)

This course provides an overview of psychological, social, physical, and emotional issues related to men's lives. Major topics include: gender construction, men and work, men and health, men in relationships, male sexualities, men in families, and masculinities in the media and popular culture.

Cross-listed course: PSYC 432

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 437 - Women Writers (3 Credits)

Representative works written by women.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

Cross-listed course: ENGL 437

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 445 - LGBTQ+ Literature (3 Credits)

This course will examine LGBTQ+ (lesbian, gay, bisexual, trans, queer, and other nonnormative sexual identities) literatures and cultures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 445

WGST 450 - LGBTQ History in the United States (3 Credits)

Exploration of LGBTQ history and communities in America from the Colonial Era to the present, using lenses of gender and sexuality to understand historical events.

Cross-listed course: HIST 450

WGST 454 - Women and the Law (3 Credits)

Constitutional and statutory case law dealing with gender equality issues. Topics include abortion, affirmative action, pornography, sexual harassment, fetal protection policies, employment discrimination, and women in the military.

Cross-listed course: POLI 454

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 464 - History of American Women (3 Credits)

The social, political, and economic roles and changing status of women in America.

Cross-listed course: HIST 464

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Cross-listed course: ENGL 485, SPCH 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: AFAM 487, ENGL 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 499 - Community Service Internship (3 Credits)

Supervised experience addressing a community organization's needs and allowing the student to explore an aspect of the community related to women's and gender studies issues. Contract approval by advisor required.

Prerequisites: C or better in WGST 112 or WGST 113; C or better in one additional WGST course at the 200-level or higher.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Internships
Experiential Learning: Experiential Learning Opportunity

WGST 515 - Race, Gender, and Graphic Novels (3 Credits)

Representations of race and gender in comics with a special emphasis on the experiences of African Americans.

Cross-listed course: AFAM 515

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 535 - Ecofeminism (3 Credits)

An exploration of the connections between oppression of women and oppression of nature.

Prerequisites: 3 hours in philosophy beyond the 100 level.

Cross-listed course: PHIL 535

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 541 - Issues in Women's Health (3 Credits)

An exploration of women's health and health care concerns from multiple perspectives.

Cross-listed course: NURS 541

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 551 - Adolescent Mentoring (3 Credits)

Application of skills and theories of adolescent mentoring taught in the classroom to a supervised, structured mentoring field experience.

Cross-listed course: CRJU 551

WGST 554 - Women and Crime (3 Credits)

Impact of gender-based relations on crime and the criminal justice system.

Cross-listed course: CRJU 554

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 555 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: ANTH 555, LING 541

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 598 - Special Topics in Women's & Gender Studies (3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 621 - Maternal and Child Health (3 Credits)

Public health issues, social and behavioral science, policies, programs, and services related to maternal and child health in the United States and other countries.

Cross-listed course: HPEB 621

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 627 - Lesbian, Gay, Bisexual and Transgender (LGBT) Health (3 Credits)

Health status and concerns of lesbian, gay, bisexual, and transgender communities. Includes an examination of measurement issues and methodological considerations in research, as well as intervention efforts targeting LGBT populations.

Courses Acceptable for Cognate Credit in Degree Programs in the College of Arts and Sciences

Accounting (ACCT): all numbered 300 and above

Aerospace Studies (AERO): all numbered 300 and above

African American Studies (AFAM): all

Anthropology (ANTH): all numbered 200 and above

Arabic (ARAB): all numbered 300 and above

Army/Military Science (ARMY): all numbered 300 and above

Art Education (ARTE): all numbered 300 and above

Art History (ARTH): all numbered 300 and above

Art Studio (ARTS): all numbered 200 and above

Astronomy (ASTR): all numbered 300 and above

Biological Sciences (BIOL): all numbered 300 and above

Chemistry (CHEM): all numbered 321 and above

Chinese (CHIN): all numbered 300 and above

Classics (CLAS): all

Communication Sciences and Disorders: all numbered 300 and above

Comparative Literature (CPLT): all numbered 300 and above

Computer Science (CSCE): all numbered 145 and above

Criminology and Criminal Justice (CRJU): all numbered 311 and above

Dance (DANC): all numbered 300 and above

Economics (ECON): all numbered 300 and above

Education (EDCE, EDEC, EDEL, EDET, EDEX, EDFN, EDLP, EDML, EDPY, EDRD, EDRM, EDSE, EDTE, PEDU): all numbered 300 and above except directed teaching courses and seminars

Engineering (BMEN, ECHE, ECIV, ELCT, EMCH, ENCP): all numbered 200 and above

English (ENGL): all numbered 300 and above

Environment and Sustainability (ENVR): all numbered 231 and above

European Studies (EURO): all numbered 300 and above

Exercise Science (EXSC): all numbered 300 and above

Film and Media Studies (FAMS): all numbered 200 and above

Finance (FINA): all numbered 300 and above

Foreign Language (FORL): all numbered 300 and above except directed teaching courses and seminars

French (FREN): all numbered 300 and above

Geography (GEOG): all numbered 200 and above

Geology (GEOL): all numbered 202 and above

German (GERM): all numbered 300 and above

Greek (GREK): all numbered 300 and above

Health Promotion, Education and Behavior (HPEB): all numbered 300 and above except HPEB 335

History (HIST): all numbered 300 and above

Hotel, Restaurant, and Tourism Management (HRTM): all numbered 300 and above

Integrated Information Technology (ITEC): all numbered 300 and above

International Business (IBUS): all numbered 300 and above

Italian (ITAL): all numbered 300 and above

Japanese (JAPA): all numbered 300 and above

Jewish Studies (JSTU): all numbered 300 and above

Journalism (JOUR): all numbered 300 and above

Latin (LATN): all numbered 300 and above

Latin American Studies (LASP): all

Library and Information Science (SLIS): all numbered 300 and above

Linguistics (LING): all numbered 300 and above

Management (MGMT): all numbered 371 and above except MGMT 499

Management Science (MGSC): all numbered 300 and above except MGSC 498

Marine Science (MSCI): all numbered 215 and above

Marketing (MKTG): all numbered 300 and above

Mathematics (MATH): all numbered 241 and above except MATH 401

Media Arts (MART): all numbered 200 and above

Music (MUSC): MUSC 115, MUSC 116, MUSC 145 and all numbered 200 and above

Naval Science (NAVY): all numbered 300 and above

Nursing (NURS): all numbered 200 and above

Pharmacy: all numbered 300 and above

Philosophy (PHIL): all numbered 200 and above

Physics (PHYS): all numbered 212 and above

Political Science (POLI): all numbered 300 and above

Portuguese (PORT): all numbered 300 and above

Psychology (PSYC): all numbered 300 and above

Religious Studies (RELG): all numbered 300 and above

Retailing (RETL): all numbered 300 and above

Russian (RUSS): all numbered 300 and above

SC Honors College (SCHC): pending advisor approval

Social Work (SOWK): all numbered 300 and above

Sociology (SOCY): all numbered 300 and above

Southern Studies (SOST): all numbered 300 and above

Spanish (SPAN): all numbered 300 and above

Speech (SPCH): all numbered 200 and above

Sport and Entertainment Management (SPTE): all numbered 300 and above

Statistics (STAT): all numbered 300 and above

Theatre (THEA): all numbered 230 and above

Women's and Gender Studies (WGST): all numbered 300 and above

Courses Acceptable for Social Science and Fine Arts or Humanities Credit in Degree Programs in the College of Arts and Sciences

Select the appropriate number of hours from each category below:

Social Science (3 hours)

Some courses listed below are cross-listed in other departments.

- AFAM 201
- ANTH (excluding ANTH 161)
- COLA
- CRJU (excluding CRJU 202, CRJU 399, CRJU 494)
- ECON
- GEOG (excluding GEOG 105, GEOG 201, GEOG 202)
- LASP (LASP 301, LASP 311, LASP 315, LASP 322, LASP 325, LASP 351, LASP 398, LASP 425, LASP 451 only)
- LING (LING 101, LING 300, LING 340, LING 405, LING 442, LING 505, LING 540, LING 541, LING 542, LING 543, LING 545, LING 567, LING 570, LING 600 only)
- POLI
- PSYC (excluding PSYC 226, PSYC 227, PSYC 228, PSYC 120, PSYC 220, PSYC 221)
- RELG 101
- SOCY (excluding SOCY 392 and SOCY 363)
- SOST (SOST 298, SOST 299, SOST 301, SOST 302, SOST 305, SOST 405)
- WGST (WGST 112, WGST 210, WGST 300, WGST 301, WGST 304, WGST 305, WGST 307, WGST 308, WGST 310, WGST 351, WGST 352, WGST 381, WGST 430, WGST 454, WGST 554, WGST 555)

Fine Arts or Humanities (3 hours for BS degrees; 9 hours for BA degrees)

Some courses listed below are cross-listed in other departments.

- AFAM (excluding AFAM 201, AFAM 330, AFAM 353, AFAM 355, AFAM 364, AFAM 366, AFAM 402, AFAM 580)
- ARTS
- ARTE (excluding ARTE 565, ARTE 595)
- ARTH
- CLAS
- CPLT
- DANC (excluding DANC 177, DANC 577, and any one or two-credit course)
- ENGL
- EURO
- FAMS
- ARAB, CHIN, FREN, GERM, GREK, ITAL, JAPA, LATN, PORT, RUSS, SPAN, (excluding 100-levels, 315)
- HIST

- LASP (LASP 201, LASP 301, LASP 341, LASP 342, LASP 361, LASP 371, LASP 398, LASP 441, LASP 442, LASP 471, LASP 501, LASP 541 only)
- LING (Excluding LING 101) (LING 301, LING 405, LING 421, LING 431, LING 440, LING 442, LING 502, LING 503, LING 504, LING 505, LING 512, LING 514, LING 530, LING 540, LING 565, LING 600, LING 627, LING 650 only)
- MART
- MUSC (excluding one-hour credits for participation in music organizations, MUSC 399)
- PHIL (excluding PHIL 111, PHIL 114, PHIL 115, PHIL 511)
- RELG (excluding RELG 101)
- SOST (SOST 298, SOST 299, SOST 301, SOST 302, SOST 305, SOST 405)
- SPCH
- THEA (excluding THEA 120, THEA 121, THEA 122, THEA 123, THEA 221)
- WGST (WGST 307, WGST 308, WGST 320, WGST 321, WGST 376, WGST 379, WGST 437, WGST 464, WGST 485, WGST 535 only)

DARLA MOORE SCHOOL OF BUSINESS

Peter Brews, *Dean*

Mark Ferguson, *Senior Associate Dean, Academics and Research*

Kendall Roth, *Senior Associate Dean, International Programs and Partnerships*

Janice Bass, *Associate Dean, Undergraduate Programs*

Deborah Hazzard, *Associate Dean for Diversity and Inclusion*

Mark Cecchini, *Associate Dean, Executive Development*

Satish Jayachandran, *Associate Dean, IMBA and MBA Programs*

Robert Lipe, *Associate Dean, PMBA*

Degree Programs

The Moore School of Business offers programs leading to the degree of Bachelor of Science in Business Administration with majors in Accounting, B.S.B.A., Business Economics, B.S.B.A., Finance, B.S.B.A., International Business, B.S.B.A., Management, B.S.B.A., Marketing, B.S.B.A., Operations and Supply Chain, B.S.B.A., Real Estate, B.S.B.A., and Risk Management and Insurance, B.S.B.A.. All programs are built on a strong business core, emphasize data, analytical and functional proficiency, provide exposure to global issues, and are enriched by coursework in the liberal arts.

Progression and Retention Requirements

The requirements stated below are minimum requirements and are subject to change.

First Year Progression

To progress after the first year of admission, a student must have a minimum cumulative Institution GPA of 3.00 on a minimum of 24 hours. The 24 hours must include ENGL 101 and ENGL 102, MATH 122 or MATH 141, MGSC 290, either ECON 221 or ECON 222, STAT 206, and ACCT 225 with a minimum grade of C in each of these courses. Students have fall, spring, and the following summer terms to meet progression requirements. A student not meeting these requirements must transfer out of the Moore School of Business. Students not meeting progression requirements may choose to transfer to another major or will be automatically transferred to Undergraduate Studies under the University Advising Center.

Upperclassmen Retention Requirements

All students are reviewed annually at the end of each summer term for meeting retention requirements. Students must maintain a minimum cumulative Institution GPA of 2.800. Students not meeting this retention requirement must transfer out of the Moore School of Business. Students not meeting upperclass retention requirements may choose to transfer to another major or will be automatically transferred to Undergraduate Studies under the University Advising Center. Students entering their final year and/or are within 30 hours of graduation must have a minimum 2.800 cumulative Institution GPA to graduate.

A student will not be permitted to take major courses until first-year progression and 200-level business prerequisite courses have been successfully completed with a minimum grade of C in each course. This coursework includes ENGL 101 and ENGL 102, MATH 122 or

MATH 141, STAT 206, ECON 221 and ECON 222, ACCT 225 and ACCT 226, and MGSC 290 and MGSC 291.

All majors in the Moore School of Business must earn a minimum grade of C in all business and economics courses to count toward graduation requirements. Students must petition to take any business or economics class for a third time. Petitioning does not guarantee permission and based on academic record, some students may be required to change majors or transfer out of the business school.

CLEP Subject Examinations

Students who wish to obtain credit for certain business administration courses may do so as follows:

- ACCT 225: CLEP Subject Examination titled "Financial Accounting" with a score of 90% or higher available from the testing service.
- ACCT 324: CLEP Subject Examination titled "Introductory Business Law" with a score of 90% or higher available from the testing service.
- MGMT 371: CLEP Subject Examination titled "Principles of Management" with a score of 90% or higher available from the testing service.
- MKTG 350: CLEP Subject Examination titled "Principles of Marketing" with a score of 90% or higher available from the testing service.

Dual Degrees

Currently enrolled students from other UofSC colleges who expect to obtain a second baccalaureate degree from the Moore School of Business must meet regular admission and progression requirements of the school and formally apply and be accepted by the school prior to obtaining 75 hours.

Classes

Enrollment priority will be given to business majors who are in good academic standing in all business and economics classes.

Suspension

The Moore School of Business adheres to the University's general policy on suspension.

Graduation

All students admitted to the Moore School of Business effective Fall 2016 and thereafter must have a minimum cumulative GPA of 2.80 on all UofSC work attempted in order to obtain a degree from the Moore School of Business.

Attendance Requirements

Students are expected to attend all regular class meetings. Students must conform to University attendance regulations as stated in the section entitled "Academic Regulations." Where specific faculty policies regarding attendance are more stringent, they will be stated in writing for individual courses.

Accounting, B.S.B.A.

Learning Outcomes

1. Our graduates will be able to apply generally accepted financial reporting principles in a broad range of business transactions.
2. Our graduates will understand techniques used in determining costs, preparing budgets, and measuring the performance of a business unit.
3. Our graduates will understand the regulatory framework that governs financial reporting and auditing in the United States.
4. Our graduates will understand the ethical dilemmas faced by accountants and how to respond to such dilemmas based on regulatory guidance.
5. Our graduates will understand the accounting issues associated with international business activities.
6. Our graduates will understand how technology is used in current organizational environments, especially as it concerns business decisions using accounting information systems.

Accelerated Accounting B.S.B.A./Master of Accountancy Program

The Accelerated Accounting B.S.B.A./Master of Accountancy (Accelerated) degree program option offers currently enrolled Moore School of Business undergraduate students the opportunity to receive a bachelor's and master's degree in accounting in a shorter period of time. Students receive the bachelor's degree first but begin taking graduate coursework as undergraduates in their senior year. The use of dual credit courses that can be used toward both degrees allows students to receive a master's degree in less time and at a lower cost than if they were to enroll in a stand-alone master's degree program after completion of their baccalaureate degree.

Admission Requirements

To gain admission to the Accelerated program in accounting, a student must meet the following criteria:

- Cumulative GPA of 3.40 or higher,
- Completed at least 90 credit hours,
- Minimum 3.00 GPA in upper-level accounting courses (400-level and higher ACCT courses), with no more than 2 grades below a B in these courses,
- Be admitted to the Master of Accountancy program for a term beyond the completion of their undergraduate degree, and
- Confirm enrollment in the Master of Accountancy program.

Accelerated students meeting the following criteria may waive the Master of Accountancy's GMAT test score requirement:

- Cumulative GPA of 3.40 or higher,
- Completed at least 90 credit hours,
- Minimum 3.25 GPA in upper-level accounting courses (400-level and higher ACCT courses) with no more than 2 grades below a B in these courses, and
- Completed at least three upper-level accounting courses.

Program Requirements

Accelerated students must maintain a minimum 3.00 average GPA in all 400-level or higher ACCT courses, with no more than two grades below a B, to continue in the program.

Only graduate-level courses (numbered 500 and above) may be used for dual credit. Accelerated students can take up to four courses (12 credit hours) of MACC coursework while still in undergraduate status (i.e., the "Accelerated" courses). Accelerated courses may be for dual credit or only for graduate credit.

Accelerated courses must be taken during the student's final undergraduate year.

The student graduates with the B.S.B.A. degree after completing the B.S.B.A. degree requirements. At that time, the student is admitted to the graduate program with up to twelve hours of graduate credit.

Additional Information

Students should apply for the Accelerated program during the last semester of their junior year.

The 600-level ACCT courses are MACC electives available to Accelerated students to satisfy undergraduate accounting major elective requirements. However, Accelerated courses are not limited to only ACCT courses. Students may use Accelerated courses from other subjects to satisfy other undergraduate degree requirements.

Accelerated students must submit the "Accelerated Bachelor's/Graduate Study Plan Authorization" form to the MACC Director each semester they are taking an Accelerated course.

Accelerated students are classified as undergraduate students until their undergraduate degree is completed. As such, Accelerated courses are charged at the undergraduate tuition rate. Accelerated students are classified as graduate students after the completion of their undergraduate degree.

Most CPA licensing jurisdictions require 150 credit hours. Dual credit Accelerated courses appear on your transcript as undergraduate courses. They do not appear as separate undergraduate and graduate courses (i.e., a 3-hour dual credit course does not count as 6 hours on your transcript). It is the student's responsibility to ensure that they will have completed at least 150 total hours upon the completion of the Accelerated program.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (125 Hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	9-30
4. Major Requirements	24-33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122
 - Or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3

ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (9-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12- 18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (0-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 125 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (24-33 hours)

a minimum grade of C is required in all major courses

Major Courses (18 hours)

Course	Title	Credits
ACCT 401	Financial Accounting I	3
ACCT 402	Cost/Managerial Accounting	3
ACCT 403	Tax I	3
ACCT 404	Accounting Information Systems I	3
ACCT 405	Financial Accounting II	3
ACCT 406	Auditing I	3
Total Credit Hours		18

Major Electives (6 hours)

Course	Title	Credits
Select two of the following: ^{1,2}		6
ACCT 421	Advanced Accounting	3
ACCT 422	Managerial Accounting for Decision Making	3
ACCT 424	Legal Issues for Accountants & Managers	3
ACCT 425	Governmental and Nonprofit Accounting	3
ACCT 426	International Financial Reporting ³	3
ACCT 490	Special Topics in Accounting	3

¹ Accounting electives may not be offered every semester

² Students participating in the Accelerated program may complete 600-level versions of electives for graduate credit towards the Master of Accountancy (MACC) program.

³ International-focused course

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
Required Courses		3
MGSC 394	Data Analytics for Business	
Elective Courses		6
Select two of the following:		
ACCT 404	Accounting Information Systems I	

ACCT 475	Integrated Business Processes with Enterprise Systems
ECON 436	Introductory Econometrics
FINA 444	Corporate Risk Management
FINA 469	Investment Analysis and Portfolio Management
FINA 472	Student-Managed Investments
IBUS 430	Research in International Business
MGMT 425	Analytics for the Human Resources Professional
MGSC 390	Business Information Systems
MGSC 391	Applied Statistical Modeling
MGSC 486	Service Operations Management
MKTG 352	Principles of Marketing Research
MKTG 447	Pricing Strategy and Analytics
MKTG 448	Data Science for Business Decision-Making

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Accounting, B.S.B.A. (https://sc.edu/about/offices_and_divisions/advising/documents/major_maps/2022-2023/2022_acct_map.pdf)

Business Administration Minor

Note: *The Business Administration minor is not available to students with majors in the Darla Moore School of Business.*

Minor Requirements (18 Hours)

Course	Title	Credits
ACCT 222	Survey of Accounting ¹	3
ECON 224	Introduction to Economics ²	3
FINA 333	Finance and Markets	3
MGMT 371	Principles of Management	3
MGSC 290	Computer Information Systems in Business	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		18

¹ If ACCT 225 was taken prior to being a business minor, it may be used to satisfy the Accounting requirement.

² If ECON 221 and ECON 222 were taken prior to being a business minor, they may be used to satisfy the ECON 224 requirement.

Notes:

- For students who are not majoring in business but are in a major that requires one of the 300 or 400 level courses included in the Business Administration minor, the course(s) cannot be used to fulfill both the requirements for the degree program and the requirements for the minor. Where such overlap exists between the requirements of the

degree program and the minor, the student will need to take additional selective coursework to fulfill the 18 hours required by the minor;

- Prerequisites must be satisfied prior to enrolling in required and selective courses. Consult the Undergraduate Bulletin for list of prerequisites for minors.

Economics

Programs

- Business Economics, B.S.B.A. (p. 296)
- Economics Minor (p. 298)

Courses

ECON 123 - The American Economy (3 Credits)

Basic concepts, institutional foundations, structure of the private and public sector, labor markets; major economic problems.

ECON 221 - Principles of Microeconomics (3 Credits)

The study of supply and demand, pricing and cost concepts, firm and consumer decision-making, market structure, and government policies.

ECON 222 - Principles of Macroeconomics (3 Credits)

The study of gross domestic product, business cycles, economic growth, inflation, unemployment, and monetary and fiscal policy.

ECON 223 - Introduction to Economics (3 Credits)

Introduction to economics principles for non-majors. Basics of supply and demand and government and monetary policy are covered in a non-technical manner. Not open to business or economics students. Credit not granted for both ECON 223 and ECON 221 or ECON 222.

ECON 224 - Introduction to Economics (3 Credits)

The study of supply and demand, markets, household and firm decision-making, gross domestic product, inflation, unemployment, and government policies. Open to all students except business administration and economics majors.

ECON 301 - Money and Banking (3 Credits)

The role of money in the market economy. Commercial banks, the Federal Reserve System, and monetary policy. Cannot be used to satisfy major requirements.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 303 - The International Economy (3 Credits)

Survey of international economic issues and institutions, including trade and protectionism, global and regional trade agreements, trade balances and exchange rates, Japan, NAFTA, and the European Union.

Prerequisites: ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 311 - Issues in Economics (3 Credits)

The nature and causes of major economic problems facing the nation and its communities, and policy alternatives designed to solve them. The philosophy and methodology of economics in social problem solving.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 321 - Intermediate Microeconomic Theory (3 Credits)

Analysis of the economic behavior of households and firms. Production, consumption, price determination, and the degree of competition in markets.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 322 - Intermediate Macroeconomic Theory (3 Credits)

Analysis of the national economy as a whole. Money, output, employment, inflation, and international economic linkages.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 329 - American Economic History (3 Credits)

Growth and development of the American economy; applications of economic theory to economic history.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 363 - Business Finance (3 Credits)

The procurement and management of wealth by privately owned profit-seeking enterprises.

Prerequisites: ECON 221, ACCT 225, and 3 hours of statistics at the 200-level.

ECON 364 - Financial Institutions (3 Credits)

A study of the functions and operations of financial institutions and their relationships to the commercial banking system and the general economy. Attention is devoted to savings institutions, insurance companies, rural and urban real estate credit, consumer credit, and associated topics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 379 - Government Policy Toward Business (3 Credits)

An analysis of public policy toward business in the United States. Emphasis is on the desirability of various policies in light of their consequences for the general welfare.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 399 - Independent Study (1-15 Credits)

Contract approved by instructor, advisor, and undergraduate division head is required.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Research

ECON 402 - Money, Income, and Prices (3 Credits)

A study of monetary standards, monetary theory, monetary policy, and the mechanism of international payments. Attention is devoted to questions of monetary problems, employment, and fiscal policy.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 406 - Labor Economics (3 Credits)

A study of labor market institutions, trends in labor market activity, and the effects of government policy on the labor market. (Not open to majors in economics.)

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 408 - History of Economic Thought (3 Credits)

A survey of economics from the ancient philosophers to the present; with emphasis on the mercantilist, physiocratic, classical, Marxian, Austrian, neo-classical, and institutional schools of economics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 415 - Economics of American Industry (3 Credits)

A study of the structure of selected American industries, of the development and concentration of economic power in the American economy, and of public policy toward industry.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 420 - Business Applications of Economic Forecasting (3 Credits)

Analysis of business cycles and applications of forecasting techniques to project and interpret economic trends.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 421 - Engineering Economics (3 Credits)

Decision making with respect to capital goods, with emphasis on such decision making in governmental activities and public utilities. Intended primarily for engineering students, the course emphasizes the types of investment decisions that engineers are often called upon to make.

ECON 436 - Introductory Econometrics (3 Credits)

The use of statistical techniques to analyze economic relationships. The emphasis is on the application of linear regression to real-world economic data.

Prerequisites: ECON 224, or ECON 221 and ECON 222; MGSC 291 or STAT 201; and MATH 122 or MATH 141.

Carolina Core: ARP

ECON 476 - Foundations of Capitalism (3 Credits)

Examines the foundations of capitalism and why it has prevailed over alternative systems. Topics include the justification of private property, distribution of wealth, profit motive, source of wealth creation, and others.

Prerequisites: ECON 211 and ECON 222.

ECON 499 - Internship in Economics (1-6 Credits)

Supervised work experience of at least nine hours per week, to include one class meeting a month and individual consultation. Contract approval by instructor, advisor, and department chair is required. Cannot be used to satisfy major requirement.

Prerequisites: C or better in both ECON 321 and ECON 322, and cumulative GPA of 2.75.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ECON 500 - Urban Economics (3 Credits)

An analysis of economic forces affecting urbanization and the economic processes influencing urban form and structure. Spatial concepts are considered in addition to traditional micro-economic and macro-economic concepts. Topic coverage includes: the economic origin of cities; urban functions and the urban economic base, land-use structure and urban form, and urban efficiency.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 503 - International Trade Economics (3 Credits)

Theory of international specialization, commercial policy, customs unions, and the effects of trade liberalization and protectionism; economic growth and multinational enterprises.

Prerequisites: ECON 321.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 504 - International Monetary Economics (3 Credits)

Exchange rate and balance of payments determination; purchasing-power parity; optimum currency areas, absorption, elasticity, monetary approaches, spot- and forward-exchange markets.

Prerequisites: ECON 322.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 505 - International Development Economics (3 Credits)

Economic theories of growth in developing countries. Use of factor resources; role of social and economic institutions; use of financial trade policies for growth.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 506 - Labor Economics and Labor Markets (3 Credits)

Economics of labor demand, labor supply, wage determination in competitive markets, migration, discrimination, unemployment, and labor unions. Theoretical models and empirical knowledge will be considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 321.

ECON 507 - Comparative Economic Systems (3 Credits)

An analysis of the organization and operation of the world's major economic systems.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 508 - Law and Economics (3 Credits)

Economic analysis and interpretation of the law. The economic effect of current law and optimal design of law to meet social objectives.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 509 - Economics of Sustainable Development (3 Credits)

Exploration of the basic theory and practice of sustainable economic development. Topics include: environmental legislation, global agreements, sustainable development indicators, and economic strategies and methods to promote environmentally sound development.

Prerequisites: C or better in the following ECON 221 and ECON 222; or ECON 224; MATH 122.

Graduation with Leadership Distinction: GLD: Community Service

ECON 510 - Experimental Economics (3 Credits)

Exploration of the basic theory and techniques of experimental economics. Topics include: basic game theory, experimental design, and elements of behavioral economic thought.

Prerequisites: C or higher in ECON 321.

ECON 511 - Senior Seminar in Economics (3 Credits)

Philosophy and methodology of economics, perspectives on theory and empiricism, economic policy; individualized guided research.

Prerequisites: ECON 321, ECON 322, and ECON 436 with grade of C or higher.

ECON 514 - The Economics of Terrorism (3 Credits)

Focuses on the following aspects of terrorism: (1) its causes/determinants (historical, social, cultural, economic, political, and religious determinants); (2) the organizational and funding structure of terrorist groups; (3) the tactics and weapons of terrorist groups; (4) mobilization and recruitment within terror networks; and (5) counterterrorism methods. Restricted to: Business Majors and Economics Arts and Sciences Majors.

Prerequisites: C or better in ECON 321.

ECON 515 - Industrial Organization (3 Credits)

This course uses the tools of microeconomics and game theory to examine how firms compete and competition's impact on industry performance. Topics include: price discrimination, product differentiation, and oligopoly behavior.

Prerequisites: ECON 321.

ECON 516 - Political Economy (3 Credits)

This course covers fundamental models of collective decision making, studies their empirical relevance, and considers interactions between the economy and politics.

Prerequisites: C or better in ECON 221 and ECON 222 or C or better in ECON 224.

ECON 523 - Introduction to Mathematical Economics (3 Credits)

Mathematical formulation of economic theories; the use of mathematics in the development and demonstration of economic relationships.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MATH 122, MATH 141, or the equivalent.

ECON 524 - Essentials of Economics (3 Credits)

A course designed to acquaint the student with the principles of operation of the American economic system. A survey course for social studies teachers in secondary schools.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 526 - Managerial Economics (3 Credits)

A study of the application of the economic theory of profits, competition, demand, and costs to analysis of problems arising in the firm and in decision making. Price policies, forecasting, and investment decisions are among the topics considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 530 - The Economics of Education (3 Credits)

Investment in human capital; the economic value of schooling; internal efficiency of schools; faculty compensation; equity and efficiency of school finance systems; financing higher education.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 531 - Health Economics (3 Credits)

Applications of economic analysis to health care. Structure and behavior of health-care markets. Description of health care policy issues.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 548 - Environmental Economics (3 Credits)

An analysis of the economic aspects of environmental decay, pollution control, and natural resource use. Analysis of the ability of the market system to allocate resources efficiently when economic activity is accompanied by environmental damage. Discussion of alternative public policy approaches to pollution control and natural resource conservation.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Cross-listed course: ENVR 548

ECON 555 - Game Theory in Economics (3 Credits)

Game theory as used to understand decision making in business, economics, politics and other real-world environments. Topics covered include: basic terminology; strategic, extensive, and combinatorial models; and equilibrium strategy.

Prerequisites: ECON 321 or MATH 141 and STAT 201 or C or higher in STAT 206.

ECON 562 - Public Finance (3 Credits)

Theory and practice of taxation: public revenue, expenditure, and debt.

Prerequisites: C or higher in ECON 321.

ECON 589 - Topics in Economics (1-3 Credits)

Individual topics to be announced with title.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 594 - Introduction to Econometrics (3 Credits)

Statistical and economic tools applied to analysis of business and economic problems with the aid of computers.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 291 or STAT 201, MATH 122 or MATH 141.

ECON 621 - Survey of Contemporary Economic Theory (3 Credits)

Neo-classical value and distribution theory combined with income and employment theory.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 690 - Quantitative Foundations for Business and Economics I (3 Credits)

Calculus and classical optimization methods applied to problems in business and economic analysis; matrices, derivatives, and integrals in the analysis of both univariate and multivariate business and economic models.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 691 - Quantitative Foundations for Business and Economics II (3 Credits)

Statistics and probability theory applied to problems of business and economic analysis.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 690 or ECON 690.

ECON 692 - Quantitative Methods I (3 Credits)

Probability and statistics necessary for graduate study in economics and business administration; estimation, hypothesis testing, regression, analysis of variance, and nonparametric methods.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 694 - Quantitative Methods II (3 Credits)

A study of decision models useful in business administration. Topics covered include linear programming, sensitivity analysis and duality, network models, integer programming, determinate and stochastic dynamic programming, inventory, and queues.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 692, mathematics and computer portion of Fundamental Business Skills or equivalent.

Business Economics, B.S.B.A.

Learning Outcomes

1. Students will achieve an acceptable pass rate on questions related to the following core microeconomic concepts: (a) Consumer utility maximization (b) Producer profit maximization (c) Equilibrium and welfare analysis under different market structures (d) Importance of externalities
2. Students will achieve an acceptable pass rate on questions related to the following core macroeconomic concepts: (a) Determination of full-employment output and growth (b) Money creation and inflation (c) Employment and output fluctuations over the business cycle (d) Fundamentals of macroeconomic policy
3. Students will achieve be able to: (a) Solve basic equations to find equilibrium outcomes (b) Use graphs to understand and interpret economic relationships
4. Students will be able to successfully prepare a research paper and present the results of their research their peers in a classroom environment.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (122 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	15-30
4. Major Requirements	21-24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are

foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
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FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-24 hours)

a minimum grade of C is required in all major courses

Major Courses (9 hours)

Course	Title	Credits
ECON 321	Intermediate Microeconomic Theory	3
ECON 322	Intermediate Macroeconomic Theory	3
ECON 436	Introductory Econometrics	3
Total Credit Hours		9

Major Electives (12 hours)

Course	Title	Credits
Select six hours of ECON courses numbered 400 or above		6
Upper-Level Business Electives ¹		6
Total Credit Hours		12

¹ Students with a single major in Business Economics must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major

or a business analytics concentration in place of Upper-Level Business Electives.

Note: ECON 421, ECON 476, ECON 499 and ECON 524 cannot be used to fulfill the 6 hours of ECON courses 400 or above.

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	
MKTG 448	Data Science for Business Decision-Making	
Total Credit Hours		9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Business Economics, B.S.B.A.

Economics Minor

Minor Requirements

Prerequisite Course (3 Hours)

Course	Title	Credits
MATH 122	Calculus for Business Administration and Social Sciences	3

or MATH 141 Calculus I

Total Credit Hours 3

Required Courses (6-12 Hours)

Course	Title	Credits
Select one of the following:		
ECON 221 & 222	Principles of Microeconomics and Principles of Macroeconomics	6
ECON 224 & 221	Introduction to Economics and Principles of Microeconomics ¹	
ECON 224 & 222	Introduction to Economics and Principles of Macroeconomics ¹	
ECON 321	Intermediate Microeconomic Theory	3
ECON 322	Intermediate Macroeconomic Theory	3
Total Credit Hours		12

¹ If a student earned an A in ECON 224, then they are exempted from also taking ECON 221 or ECON 222, but one additional ECON elective must be taken. If ECON 221, ECON 222 or ECON 224 are being used to meet other College or Major requirements, then additional ECON electives must be taken to substitute for those courses.

Electives (6-12 Hours)

ECON electives at the 300 level or higher, excluding ECON 499 and ECON 511.

Finance, B.S.B.A.

Learning Outcomes

1. Students will understand fundamental financial concepts related to the time value of money and risk-expected return tradeoffs.
2. Students will have basic knowledge of the institutional context in which financial decisions and transactions take place.
3. Students will be able to conduct a capital budgeting analysis, including calculating expected cash flows, cost of capital, and net present value.
4. Students will be able to assess the risk-expected return tradeoffs when constructing a portfolio and apply metrics to assess portfolio performance.
5. Students will be able to evaluate a company's prospects and risks.
6. Students will be able to infer the impact of business decisions on firm performance.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of

available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (122 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	15-30
4. Major Requirements	21-24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 298), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 298)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 298)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 298)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 298)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 298)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 298)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 298)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 122 hours.

Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-24 hours)

a minimum grade of C is required in all major courses

Major Courses (9 hours)

Course	Title	Credits
FINA 365	Corporate Financial Analysis	3
FINA 469	Investment Analysis and Portfolio Management	3
FINA 470	Financial Statement Analysis	3
Total Credit Hours		9

Major Electives (12 hours)

Course	Title	Credits
Finance Electives		
Select six hours from the following:		
FINA 341	Management of Risk and Insurance	
FINA 366	Introduction to Real Estate and Urban Development	
FINA 444	Corporate Risk Management	
FINA 463	Case Studies in Corporate Finance	
FINA 464	Financial Innovation	
FINA 465	Commercial Bank Practice and Policy	
FINA 466	Real Estate Investment Fundamentals	
FINA 467	Real Estate Finance	
FINA 471	Derivative Securities	
FINA 472	Student-Managed Investments	
FINA 475	Fixed Income Securities	
FINA 476	Foundations of Capitalism ¹	
FINA 490	Special Topics in Finance ²	
IBUS 401	International Financial Management ¹	
Upper-Level Business Electives ³		6
Total Credit Hours		12

¹ International-focused course.

² Depending on the semester or nature of the project, FINA 490 may or may not be applicable to the Finance major. Please consult your advisor to determine if it is applicable in the semester you wish to enroll in the project course.

³ Students with a single major in Finance must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

Note: FINA 333, FINA 369, and all Real Estate plus Risk Management and Insurance courses not specifically listed as electives of the Finance Major do not count towards the major in Finance.

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management (Designated sections only)	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	
MKTG 448	Data Science for Business Decision-Making	
Total Credit Hours		9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Finance, B.S.B.A.

International Business, B.S.B.A.

Learning Outcomes

1. Students will demonstrate...
2. In-depth capacity in a functional area of business.
3. Strong understanding of the global dimensions of business.
4. Excellent communication skills in more than one language.
5. Appreciation of the impact of culture on the conduct of business.
6. Exposure to living in a second culture.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Additional Admission Information

Admission to the International Business major is highly competitive, and enrollment is limited. Individual limits apply to language selections in the regional concentrations.

Degree Requirements (128-140 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	12-30
4. Major Requirements	27-39

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 298), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 298)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 298)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 298)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 298)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 298)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 298)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 298)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (12-30 hours)

Supporting Courses (0-12 hours)

Foreign Language (0-12 hours)

The International Business major requires at least four advanced language-based courses numbered 300 and above in one foreign

language. Students in specific concentrations must meet experiential language program participation requirements that do not necessarily equate to specific hours, credits, or course levels. Students may fulfill minor or cognate requirements through completion of the foreign language requirement.

Note: Native speakers in approved languages may seek approval for this requirement to be waived.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (0-18 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 128 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (27-39 hours)

Students majoring in International Business are required to study outside the United States for a period of one semester, normally the spring semester of the academic year after which IBUS 310 is taken, at an approved institution. Exceptions to this requirement will be granted in cases of hardship. Students in regional cohort tracks meet the overseas study requirement at the cohort partner institution. The curriculum of the International Business major satisfies the Moore School internationalization requirement.

A minimum grade of C is required in all major courses.

Major Courses (3 hours)

Course	Title	Credits
IBUS 310	Globalization and Business	3
Total Credit Hours		3

Major Electives (12 hours)

Course	Title	Credits
Functional Courses		
Select one of the following:		3
ACCT 426	International Financial Reporting	
IBUS 501	International Financial Management	
IBUS 502	International Marketing	
IBUS 503	International Entrepreneurship	
IBUS 405	International Information Systems	
IBUS 430	Research in International Business	
IBUS 432	The Business Case for Services Offshoring	
MGMT 406	International Human Resource Management	
MGSC 405	International Information Systems	
ECON 503	International Trade Economics	
ECON 504	International Monetary Economics	
ECON 505	International Development Economics	
Thematic Courses		
Select one of the following:		3
IBUS 422	Foreign Market Entry and Growth	
IBUS 423	Cross-Cultural Behavior and Negotiations	
IBUS 424	Exporting and Importing	
IBUS 425	Competitive Strategies in Developing Countries	
IBUS 426	Global Competitive Analysis	
IBUS 427	Global Stakeholder Management	
IBUS 428	Islamic Economics and Finance	
IBUS 429	Comparative Innovation Systems	
IBUS 431	Intercultural Competencies for Working in International Teams	
IBUS 433	Economic Globalization: Leadership and the Transnational Mindset	
IBUS 434	Social Networks and Global Leadership	
IBUS 435	Market Development and Global Strategy	
IBUS 519	Social Networks and Global Leadership	
IBUS 521	Ethnographic Methods in International Marketing	
Regional Courses		
Select one of the following:		3
IBUS 541	Business in Latin America ¹	
IBUS 542	Business in Asia ¹	
IBUS 543	Business in Europe ¹	
IBUS 544	Business in Africa ¹	
Additional Functional or Thematic Course		
Select 3 hours		3
Total Credit Hours		12

¹ Because one or more of these courses may not be offered on campus during the two years that a student may be taking major-level courses, these courses are most appropriate for study abroad.

Second Major (12-24 hours)

The International Business major must be taken in combination with a second major in business.

Regional Cohort Concentrations (15 hours)

Students in each regional concentration of the International Business major meet the regional course requirements with courses dealing primarily in that region.

Competitive Admission

Admission to each concentration of the international business major is highly competitive, and enrollment is limited. Individual limits apply to language selections in the regional concentrations.

Double Major

All students selecting international business as a major, regardless of concentration, are required to complete a second major in business.

Foreign Study

Students are placed at partner schools through a competitive application process. Students in regional cohort concentrations meet the overseas study requirement at the cohort partner institution and spend a minimum of two semesters abroad depending on cohort concentration. Experiential program requirements are outlined in the Program Expectations for each cohort concentration.

Conduct

Regional Cohort Concentrations have specific behavioral requirements. Those requirements are outlined in the Program Expectations for each cohort.

Chinese Business (15 hours)

The Chinese Business concentration in the International Business major allows the student to focus on International Business activities with China. Students in this concentration meet the foreign language requirement by selecting Chinese as the language of study. The Chinese language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours. The language requirement for Chinese Business is heavily dependent on incoming language level. If students enroll at UofSC with C7 on their Chinese placement test, they may not be required to participate in the summer language institutes.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with Asian focus while abroad (6 hours)

Eurasian Business (15 hours)

The Eurasian Business concentration in the International Business major allows the student to focus on International Business activities centered on this region. Students in this concentration meet the foreign language requirement by selecting either Turkish or Russian as the language of study. The language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with focus on the specific region while abroad (6 hours)

European Business (15 hours)

The European Business concentration in the International Business major allows the student to focus on International Business activities with this region. Specific languages and functional majors may be required based on study abroad location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with a European focus (6 hours)

Global Business (15 hours)

The Global Business concentration in the International Business major allows the student to focus on International Business activities within a global context. Specific languages and functional majors may be required based on study location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with focus on the specific study abroad region (6 hours)

Global Business Innovation (15 hours)

The Global Business Innovation Concentration in the International Business major allows the student to focus on International Business activities within a global context. Specific languages and functional majors may be required based on study location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with focus on the specific study abroad region (6 hours)

Middle East and North Africa (MENA) Business (15 hours)

The Middle East and North Africa (MENA) Business concentration in the International Business major allows the student to focus on International Business activities with this region. Students in this concentration meet the foreign language requirement by selecting Arabic as the language of study. The Arabic language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours. The language requirement for the MENA program is heavily dependent on incoming language level. If students enroll at UofSC with A4 on their Arabic placement test, they are not required to participate in both summer language institutes. Only one may be required based on evaluation of proficiency.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with focus on the MENA region (6 hours)

South American Business (15 hours)

The South American Business concentration in the International Business major allows the student to focus on International Business activities with this region. Students in this concentration meet the foreign language requirement by selecting Portuguese or Spanish as the language of study. Specific languages and functional majors may be required based on study location and partner university. The foreign language placement test will determine at which level the student will begin. Foreign language courses may be included as part of the student's selected minor, cognate, or elective hours.

- IBUS 310
- One functional course from the list above (3 hours)
- One thematic course from the list above (3 hours)
- Two regional courses with focus on South America (6 hours)

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

International Business, B.S.B.A. No Concentration

International Business, B.S.B.A. Chinese Business Concentration

International Business, B.S.B.A. European Business Concentration

International Business, B.S.B.A. Global Business Concentration

International Business, B.S.B.A. Global Business Innovation Concentration

International Business, B.S.B.A. Middle East & North Africa (MENA) Business Concentration

International Business, B.S.B.A. South American Business Concentration

Management, B.S.B.A.

Learning Outcomes

1. Students should understand the role of management and managers in building an effective organization.
2. Students should understand the role of research in improving managerial practice.
3. Students should be able to apply management principles to determine how managers should respond to particular challenges or opportunities confronting an organization.
4. Students should be able to effectively communicate management principles or the application of those principles to particular organizational circumstances.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (122-128 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	0-30
4. Major Requirements	21-45

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are

foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (0-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (0-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-45 hours)

A minimum grade of C is required in all major courses.

Students must choose either the Human Resources and Organizational Leadership Concentration or the Entrepreneurship Concentration.

Concentrations (21-45 hours)

Human Resources and Organizational Leadership (21 hours)

Course	Title	Credits
MGMT 374	Strategic Human Resource Management	3
Select one of the following:		3
MGMT 376	Employee Engagement	
MGMT 401	Negotiation and Conflict in the Workplace	
MGMT 402	Managing Teams in the Workplace	
MGMT 403	Leadership in Organizations	
MGMT 408	Diversity and Inclusion	
MGMT 425	Analytics for the Human Resources Professional	
Select three of the following:		9
MGMT 376	Employee Engagement	
MGMT 401	Negotiation and Conflict in the Workplace	
MGMT 402	Managing Teams in the Workplace	
MGMT 403	Leadership in Organizations	
MGMT 404	Compensation and Retention	

MGMT 405	Talent Management	
MGMT 406	International Human Resource Management ¹	
MGMT 407	Corporate Social Responsibility and Stakeholder Management ¹	
MGMT 408	Diversity and Inclusion	
MGMT 425	Analytics for the Human Resources Professional	
MGMT 431	Intercultural Competencies for Working in International Teams	
MGMT 472	Entrepreneurship and Small Business	
MGMT 476	Collective Bargaining	
MGMT 499	Business Internship in Management	
Upper-Level Business Electives ²		6
Total Credit Hours		21

¹ International-focused course.

² Students with a single major in Management must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

Entrepreneurship (27-36 hours)

Course	Title	Credits
MGMT 472	Entrepreneurship and Small Business	3
MGMT 473	Developing and Launching New Ventures	3
MGMT 474	Executing Strategy in New Ventures	3
MGMT 479	Advanced Issues in Entrepreneurship	3

Second Major

Entrepreneurship requires completion of a second, non-Management major in business.

Total Credit Hours 27-36

¹ International-focused course.

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	

MGSC 390	Business Information Systems
MGSC 391	Applied Statistical Modeling
MGSC 486	Service Operations Management
MKTG 352	Principles of Marketing Research
MKTG 447	Pricing Strategy and Analytics
MKTG 448	Data Science for Business Decision-Making

Total Credit Hours 9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Management, B.S.B.A. Human Resources and Organizational Leadership

Management, B.S.B.A. Entrepreneurship

Marketing, B.S.B.A.

Learning Outcomes

1. Students will demonstrate knowledge of consumer behavior, and how marketers strive to use an understanding of consumer behavior to promote effective marketing through advertising, product design, or promotions.
2. Students will develop an understanding of the internal and external factors that influence consumer choice.
3. Students will be able to conduct marketing research, which will include the design and administration of questionnaires, an understanding of sampling techniques, and how to collect, clean, and code data.
4. Students will develop the ability to analyze and interpret marketing research results.
5. Students will be able to communicate market research results effectively.
6. Students will develop an understanding of the strategic marketing management planning process.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is

reached. The Moore School only considers new applicants for Fall Term admission.

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Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

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Degree Requirements (122 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	15-30
4. Major Requirements	21-24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional

minor or cognate. Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of electives hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-24 hours)

a minimum grade of C is required in all major courses

Major Courses (9 hours)

Course	Title	Credits
MKTG 351	Consumer Behavior	3
MKTG 352	Principles of Marketing Research	3
MKTG 465	Marketing Strategy and Planning	3
Total Credit Hours		9

Major Electives (12 hours)

Course	Title	Credits
Select six hours of the following:		6
MKTG 445	Sales Strategy	
MKTG 446	Sales Automation and Customer Management	
MKTG 447	Pricing Strategy and Analytics	
MKTG 451	Topics in Marketing	
MKTG 454	Business-to-Business Marketing	
MKTG 455	Marketing Communications and Strategy	
MKTG 457	Personal Selling and Sales Management	
MKTG 459	Marketing Channels and Distribution	
MKTG 460	Product and Brand Management	
MKTG 461	Retailing Management	
IBUS 402	International Marketing ¹	
Upper-Level Business Electives ²		6
Total Credit Hours		12

¹ International-focused course

² Students with a single major in Marketing must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a

business analytics concentration in place of Upper-Level Business Electives.

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	
MKTG 448	Data Science for Business Decision-Making	
Total Credit Hours		9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Marketing, B.S.B.A.

Operations and Supply Chain, B.S.B.A.

Learning Outcomes

1. To gain an understanding of the concepts and tools needed for the design, management, and improvement of operations and business processes in individual organizations.
2. To gain an understanding of global sourcing strategies.
3. To gain an understanding of various supply chain management strategies and techniques.
4. To manage and improve operational processes.

5. To gain experience applying GSCOM knowledge and skills to real world organizations.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

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Degree Requirements (123 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	15-30
4. Major Requirements	22-25

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science,

or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

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must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
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FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) optional

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 123 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (22-25 hours)

a minimum grade of C is required in all major courses

Major Courses (16 hours)

Course	Title	Credits
MGSC 485	Business Process Management	3
Select one of the following:		4
MGSC 495	Supply Chain Planning and Execution	
MGSC 497	OSC Capstone Project	
Select two of the following:		6
MGSC 487	Global Sourcing Strategies and Application	
MGSC 491	Supply Chain Management	
MGSC 492	Logistics, Transportation and Distribution	
Select one of the following:		3
MGSC 450	Special Topics in Management Science	
MGSC 486	Service Operations Management	
MGSC 488	Innovation and Design	
MGSC 489	Sustainable Operations & Supply Chain	

Course	Title	Credits
MGSC 498	Project Management for Business	
Total Credit Hours		16

Note: Students must apply for placement into MGSC 495 and MGSC 497 through a competitive application process.

Major Electives (6 hours)

Course	Title	Credits
Upper-Level Business Electives ¹		6

¹ Students with a single major in Operations and Supply Chain must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 22 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

Business Analytics Concentration (9 hours) optional

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	
MKTG 448	Data Science for Business Decision-Making	
Total Credit Hours		9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor

for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Operations and Supply Chain, B.S.B.A.

Real Estate, B.S.B.A.

Learning Outcomes

1. Students will understand the importance and role of real estate in local and national economies.
2. Students will be able to identify key driving forces of the real estate market.
3. Students will be able to analyze real estate investment cash flows and make real estate investment decisions based on net present value or the internal rate of return.
4. Students will understand and be able to analyze mortgage contracts taking the perspective as a borrower, a lender, and an investor.
5. Students will be able to understand the basic trade-off in debt versus equity finance in real estate.
6. Students will be able to understand the basics of securitization and be able to analyze simple mortgage-backed securitization deals.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer

than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (122 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40
3. Program Requirements	15-30
4. Major Requirements	21-24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three

hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-24 hours)

a minimum grade of C is required in all major courses

Major Courses (9 hours)

Course	Title	Credits
FINA 366	Introduction to Real Estate and Urban Development	3
FINA 466	Real Estate Investment Fundamentals	3
FINA 467	Real Estate Finance	3
Total Credit Hours		9

Major Electives (12 hours)

Course	Title	Credits
Select one of the following:		3
FINA 365	Corporate Financial Analysis	
FINA 465	Commercial Bank Practice and Policy	
FINA 469	Investment Analysis and Portfolio Management	
Select one of the following:		3
FINA 367	Real Estate Market Analysis	
FINA 468	Real Estate Appraisal	
FINA 477	Real Estate Development	
FINA 480	Global Real Estate Capital Markets	
Upper-Level Business Electives ¹		6
Total Credit Hours		12

¹ Students with a single major in Real Estate must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

Business Analytics Concentration (9 hours) optional

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		9
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	

MKTG 448	Data Science for Business Decision-Making	Total Credit Hours
		12

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Real Estate, B.S.B.A.**Risk Management and Insurance Minor**

Please note that the Risk Management and Insurance Minor is open to Actuarial Math and Statistics majors only.

Minor Requirements**Prerequisite Course (3 Hours)**

Course	Title	Credits
ECON 221	Principles of Microeconomics	3
Total Credit Hours		3

Required Courses

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
FINA 469	Investment Analysis and Portfolio Management	3
FINA 471	Derivative Securities	3
FINA 475	Fixed Income Securities	3
Total Credit Hours		18

Additional courses of interest may include:

Course	Title	Credits
FINA 341	Management of Risk and Insurance	3
FINA 442	Life and Health Insurance	3
FINA 443	Property and Liability Insurance	3
FINA 444	Corporate Risk Management	3
FINA 445	Employee Benefits	3

Risk Management and Insurance, B.S.B.A.**Learning Outcomes**

- Students will understand and apply the processes for identifying risk and measuring risk, as well as the various methods for managing risk (e.g., mitigation, insurance, diversification and hedging).

- Students will understand the conditions that hinder the trading/ sharing of risk, including correlation in outcomes, moral hazard, adverse selection, and transaction costs.
- Students will understand and apply the models for pricing insurance products.
- Students will understand the institutional context in which insurance is sold, including regulation, ownership structure, and marketing channels.

Admissions

Entrance Requirements

In addition to the academic admission requirements of the Moore School of Business stated below, a limit on admission to the program may be imposed. An enrollment limit would become necessary if enrollment levels exceed school staffing capabilities and resources. The Undergraduate Admissions Committee, in consultation with the dean of the school, shall be responsible for adjusting undergraduate enrollment levels to ensure the quality of the undergraduate program. A student who meets admissions criteria will be favorably considered, but because of space limitations admission cannot be guaranteed. Once minimum criteria are met, all qualified applicants are placed into an admissions group and are ranked by academic credentials. Based on the number of available seats, students are admitted in ranked order until capacity is reached. The Moore School only considers new applicants for Fall Term admission.

Freshmen entering the UofSC Columbia Pre-Business division of the Moore School of Business must meet the campus requirements for admission. Freshmen applicants will only be considered for Fall Term admission.

Students from other UofSC campuses who have no work from colleges outside of UofSC must have a minimum cumulative Institution GPA of 3.25, must have taken at least 15 UofSC credit hours, and have completed calculus with a minimum grade of C. Additionally, those students who have fewer than 30 semester hours from colleges outside UofSC must also meet Columbia campus freshman admission requirements. Change of campus applicants will only be considered for Fall Term admission.

Students enrolled in other colleges on the Columbia campus must have a minimum cumulative Institution GPA of 3.25, must have at least 15 UofSC credit hour, and have completed calculus with a minimum grade of C. Internal transfers will only be considered for admission in the fall term.

Transfer students from other institutions must present a minimum cumulative GPA of 3.25 on all college work taken and have completed calculus with a minimum grade of C. Students who have taken fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements. External transfers will only be considered for Fall Term admission.

Degree Requirements (122 hours)

See Darla Moore School of Business (p. 289) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	40

3. Program Requirements 15-30

4. Major Requirements 21-24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 206

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741), including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one Foreign Language the ability to comprehend the topic and the main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (40 hours)

must be passed with a grade of C or higher

Course	Title	Credits
ACCT 225	Introduction to Financial Accounting	3
ACCT 226	Introduction to Managerial Accounting	3
ACCT 324	Survey of Commercial Law	3
BADM 301	Business Careers in the Global Economy	1
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
FINA 363	Introduction to Finance	3
MGMT 250	Professional Communication	3
MGMT 371	Principles of Management	3
MGMT 478	Strategic Management	3
MGSC 290	Computer Information Systems in Business	3
MGSC 291	Applied Statistics for Business	3
MGSC 395	Operations Management	3
MKTG 350	Principles of Marketing	3
Total Credit Hours		40

3. Program Requirements (15-30 hours)

Supporting Courses (0-9 hours)

Internationalization Requirement (0-9 hours)

The program requires 9 hours of course work with international content that may be completed through other degree requirements. Three hours must be taken from an approved list of courses offered by the Moore School of Business which contain international business or international economics content. The following course options can also be used to satisfy the 3 credit hours of this requirement: approved course work containing international business or international economics content, taken at a semester abroad program; an approved Maymester or summer overseas course containing international business or international economics content; an approved internship course in international business wherein a student would obtain discipline-related work experience in a foreign country; or an approved service-learning component. Students may choose from one of the following options to complete the remaining 6-hour requirement:

Language: Two language courses at the 200 level or above

OR

Electives: Two approved courses with international content taken either inside or outside the Moore School of Business from a list available in the undergraduate office.

Minor or Cognate (12-18 hours) *optional*

Minors (non-business) may be selected from a University-wide list of approved minors. The minor is normally a minimum of 18 hours of prescribed courses in one subject area. Minors are recognized on the transcript.

Cognates which consist of 4 related courses in a specific field. The cognate is intended to support the course work in the major. The cognate must consist of twelve (12) hours of courses at the advanced level, outside of but related to the major. Cognates do not earn an additional designation on the transcript.

Electives (6-30 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements, including the optional minor or cognate. Minimum degree requirements must equal 122 hours. Selecting to pursue a minor or cognate, multiple business majors or the business analytics concentration may be used to reduce the total number of elective hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the Darla Moore School of Business.

Options to meet this requirement may include:

- Pre-Professional coursework can be applied for students seeking admission to a professional degree program after graduation.
- A maximum of 4 courses towards completion of an accelerated master's program if not counted elsewhere in the degree.
- Directed Electives: Students may select courses of interest with their advisor. Students are strongly encouraged to take a business section of UNIV 101. All directed coursework electives must be passed with a grade of C or better. Directed coursework may not include coursework in PEDU or MATH/STAT below the Moore School minimum requirements (ex. MATH 111 or STAT 110) or 1 credit performance classes.

4. Major Requirements (21-24 hours)

A minimum grade of C is required in all major courses.

Major Courses (6 hours)

Course	Title	Credits
FINA 341	Management of Risk and Insurance	3
FINA 469	Investment Analysis and Portfolio Management	3
Total Credit Hours		6

Major Electives (15 hours)

Course	Title	Credits
Select three of the following:		
FINA 442	Life and Health Insurance	3
FINA 443	Property and Liability Insurance	3
FINA 444	Corporate Risk Management	3
FINA 445	Employee Benefits	3

FINA 446	Insurance Operations	
FINA 464	Financial Innovation	
FINA 471	Derivative Securities	
ECON 531	Health Economics	
IBUS 436	Risk Management and Security Strategies in International Business	
Upper-Level Business Electives ²		6
Total Credit Hours		15

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Risk Management and Insurance, B.S.B.A

¹ Depending on the semester or nature of the project, FINA 490 may or may not be applicable to the Risk Management and Insurance major. Please consult your advisor to determine if it is applicable in the semester you wish to enroll in the project course.

² Students with a single major in Risk Management and Insurance must complete additional upper level (300-level or above) business/economics course work (in ACCT, BADM, ECON, FINA, IBUS, MGMT, MGSC, or MKTG) for a total of 21 hours of Upper-Level Business courses, which include major hours. Students must meet prerequisites to take the business elective of their choosing. Students may choose to pursue an additional major or a business analytics concentration in place of Upper-Level Business Electives.

Business Analytics Concentration (9 hours) *optional*

Please consult with your Academic Advisor or department on the courses recommended for individual majors. The analytics concentration must be taken in conjunction with a major. The department may add additional electives to the Business Analytics Concentration, subject to the approval of the Business Analytics Task Force.

Course	Title	Credits
MGSC 394	Data Analytics for Business	3
Select two of the following:		6
ACCT 404	Accounting Information Systems I	
ACCT 475	Integrated Business Processes with Enterprise Systems	
ECON 436	Introductory Econometrics	
FINA 444	Corporate Risk Management	
FINA 469	Investment Analysis and Portfolio Management	
FINA 472	Student-Managed Investments	
IBUS 430	Research in International Business	
MGMT 425	Analytics for the Human Resources Professional	
MGSC 390	Business Information Systems	
MGSC 391	Applied Statistical Modeling	
MGSC 486	Service Operations Management	
MKTG 352	Principles of Marketing Research	
MKTG 447	Pricing Strategy and Analytics	
MKTG 448	Data Science for Business Decision-Making	
Total Credit Hours		9

Note: Courses applied in the major may not also fulfill concentration requirements.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

COLLEGE OF EDUCATION

Thomas E. Hodges, *Interim Dean*

Angela C. Baum, *Interim Associate Dean for Academic Affairs*

Susan C. Bon, *Interim Associate Dean for Research and Faculty Affairs*

Gloria S. Boutte, *Interim Associate Dean for Diversity, Equity and Inclusion*

Rob L. Dedmon, *Assistant Dean for Enrollment Management and Academic Program Development*

Brytnee Leigh, *Assistant Dean for Business Operations*

Cindy Van Buren, *Assistant Dean for Professional Partnerships*

Overview

The College of Education is the anchor of the Professional Education Unit (PEU) of the University of South Carolina, which is accredited by the Council for the Accreditation of Educator Preparation (CAEP). In cooperation with the five other colleges/schools of the PEU and our public school partners, the College of Education offers education programs that are designed to develop **collaborative educational leaders**, including educators' commitment to integrity, intellectual spirit, justice, and stewardship of schools. All University teacher education programs support prospective teachers in developing both in-depth content knowledge and appropriate knowledge, skills, and dispositions of teaching required in today's classrooms. Extensive clinical experiences in a variety of appropriate PreK-12 classrooms and schools are a central component of each program.

The College of Education offers **undergraduate degrees** that lead to certification in early childhood (PreK-grade 3), elementary (grades 2-6), middle level (grades 5-8), and physical education (grades K-12).

Undergraduate teacher preparation programs outside the College of Education include K-12 music education (options in choral or instrumental) in the School of Music; and K-12 programs of art education, dance (concentration in dance education), and foreign language (teacher education options in Classics, French, German, and Spanish) in the College of Arts and Sciences.

Five-year **undergraduate/graduate teacher preparation programs** are offered in four areas of secondary education: English, mathematics, science, and social studies. Students pursue undergraduate degree programs in the discipline they wish to teach. Students should consult an advisor in the appropriate Arts and Sciences department for program information. Required undergraduate education courses for students pursuing certification in the five-year program include EDFI 300, EDSE 502, EDSE 500, and EDPY 401. Students pursuing English certification must also include EDSE 547 in their undergraduate course work. Students seeking certification also complete a fifth-year Master of Teaching degree. *Students must apply for and be admitted to the graduate program.* Students are not admitted to the master's degree program solely by reason of their completion of the undergraduate degree.

Graduate initial teacher certification programs, including the M.A.T. in Special Education and many other areas, are described in the *Graduate Studies Bulletin*.

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e., student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a

minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Certification

To receive a recommendation for initial teacher certification, all University teacher education students must complete appropriate degree(s) and pass assessments required by the South Carolina Board of Education. Inasmuch as degree and certification requirements are linked, if state regulations change, degree requirements are also subject to change.

All students seeking a recommendation for initial teacher certification must:

1. successfully complete the requirements of the degree program;
2. achieve test scores at or above the level established by the state on the program-appropriate exams (Praxis II series) and submit scores to the Office of Student Affairs, College of Education, Wardlaw 113, and to the S.C. Department of Education;
3. submit to an FBI and SLED check for prior felony convictions prior to full-time clinical experience;
4. pay all certification fees as required;
5. successfully complete EEDA and ADEPT requirements with a positive recommendation for certification.

Information

Information regarding all programs in the College of Education and the education requirements for all teacher preparation programs are available online (https://sc.edu/study/colleges_schools/education/) or by contacting the Office of Student Affairs, College of Education, Wardlaw 113, 803-777-6732.

Minors in Education

Students completing degrees outside the College of Education who wish to include an education minor must contact their undergraduate dean's office for prior approval.

Departments

- Educational Leadership and Policies (p. 321)
- Educational Studies (p. 321)
- Instruction and Teacher Education (p. 325)
- Physical Education (p. 345)

Counselor Education Minor Minor Requirements (18 Hours)

The Counselor Education minor requires:

Course	Title	Credits
Core Courses		
EDCE 210	Career Planning and Development	3
EDCE 340	Counseling Through a Multicultural Lens: Understanding Self and Others	3
EDCE 350	Interpersonal Communication Skills	3
EDCE 360	Introduction to the Counseling Profession	3

EDCE 570	Seminar in Counseling	3
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Elective Courses

Select three hours of the following: 3

EDFI 300	Schools in Communities	
PSYC 301	Psychology of Marriage	
PSYC 310	Psychology of Women	
SOCY 301	Sex and Gender	
SOCY 305	Sociology of Families	

Total Credit Hours 18

Education Minor

Minor Requirements (18 Hours)

Core Courses (12 hours)

Course	Title	Credits
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDLP 517	Law and Policy Studies in Education	3
EDFI 361	Comparative and International Education	3

Total Credit Hours 12

Additional Courses (6 hours)

Students intending to complete the 5th-year Master of Teaching (M.T.) program for secondary education must complete the following 6 hours.

Course	Title	Credits
EDSE 500	Equity and Community Engagement	3
Select one of the following as indicated: 3		
Students planning to complete the M.T. in Mathematics, Science, or Social Studies complete EDSE 502.		
EDSE 502	Teachers and Teaching	
Students planning to complete the M.T. in English complete EDSE 547.		
EDSE 547	Teaching Middle and High School (English)	

Total Credit Hours 6

All other students complete the following:

Course	Title	Credits
EDTE 202	Global Citizenship and Social Responsibility through Education	3
EDEX 205	Understanding the Foundations of Disability	3

Total Credit Hours 6

Educational Leadership and Policies

Department Website (https://www.sc.edu/study/colleges_schools/education/)

Peter Moyi, *Interim Chair*

Courses

EDHE 600 - Special Problems in Higher Education and Student Affairs (1-3 Credits)

The course is designed to provide opportunities for the study of special topics in higher education and student affairs administration.

EDLP 517 - Law and Policy Studies in Education (3 Credits)

Policy issues affecting public and private educational institutions across the PK-20 continuum (pre-school through higher education).

EDLP 520 - The Teacher as Manager (3 Credits)

To help teachers, principals, and other personnel solve school problems by identifying and applying selected management techniques.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDLP 525 - Resources for Teaching and Learning (3 Credits)

An introduction to educational technology, its increasing importance in the total school program, and its relationship to learning theories and communication.

EDLP 601 - The Effective Teacher (3 Credits)

Use of theory and research to understand and improve classroom teaching. Emphasis on teacher reflection and decision-making. The administrative role in enhancing effectiveness is highlighted.

EDLP 690 - Independent Study (1-3 Credits)

Educational Studies

Department Website (https://www.sc.edu/study/colleges_schools/education/)

Erik Drasgow, *Chair*

Courses

EDCE 210 - Career Planning and Development (3 Credits)

Introduction to the career planning and development process through an understanding of one's own career journey. Overview of how counselors assist individuals in the career decision process.

EDCE 340 - Counseling Through a Multicultural Lens: Understanding Self and Others (3 Credits)

Introduction to counseling aspects and counseling skills that focus on the understanding of self and others from a multicultural perspective.

EDCE 350 - Interpersonal Communication Skills (3 Credits)

Introduction to effective interpersonal communication skills.

EDCE 360 - Introduction to the Counseling Profession (3 Credits)

Overview of and introduction to areas of the counseling profession.

EDCE 502 - Guidance Techniques for Classroom Teachers (3 Credits)

EDCE 503 - Family Counseling (3 Credits)

A comparative study of the major theories in the field of family counseling.

EDCE 507 - Educators in Industry (3 Credits)

The course is designed to provide counselors, teachers, and administrators with increased awareness of a wide variety of work experiences.

EDCE 510 - Introduction to Counseling (3 Credits)

Orientation to the profession of counseling including its historical, social, and cultural foundations. Declaration of the minor in counseling or admission to the Ed.S. in Counselor Education.

EDCE 520 - Wellness and Mental Health (3 Credits)

An overview of the characteristics of optimal holistic wellness and human functioning. Practical application of theoretically and empirically supported wellness models and interventions to enhance social, emotional, mental, physical, and spiritual well-being.

EDCE 555 - Theory and Practice of College Mentoring (3 Credits)

Emphasis on current professional approaches to college mentoring and development of leadership and mentoring skills. Students must participate in Minority Assistance Program. Upper division undergraduate standing or admission to a graduate program and consent of instructors.

EDCE 570 - Seminar in Counseling (3 Credits)

A seminar focusing on current professional issues in counseling.

EDCE 600 - Communication Skills in Counseling (3 Credits)

Human relations principles applied to the counseling interview.

EDCE 650 - Counseling Student Athletes (3 Credits)

Issues facing student athletes regarding their personal and career development beyond athletics.

Cross-listed course: PEDU 660

EDCE 690 - Independent Study (1-3 Credits)**EDET 215 - Introduction to Design Thinking and Computer Science Education (1 Credit)**

A survey of design thinking and computer science education topics and skills. Students will (a) use design thinking to solve problems and develop products and (b) explore a variety of technologies and their applications in the workplace, with hobbies, and within PK-12 schools.

EDET 603 - Design and Development Tools I (3 Credits)

Study of multimedia elements (e.g., graphics, animation, audio, and video) including the creation and editing of materials. Instructional applications, copyright issues, and technology limitations will be explored.

EDET 650 - Internship in Educational Technology (3 Credits)

Supervised field-based experiences in the design, development, evaluation, and implementation of technology-based instructional and training projects.

Prerequisites: EDET 603, EDET 703, and EDET 722.

EDET 652 - Design and Evaluation of Games and Simulations (3 Credits)

Application of instructional design criteria to computer and noncomputer interactions. Analyses include requisite cognitive processes, affective outcomes, and ethical standards. Design and formative testing of interactive exercises.

EDEX 205 - Understanding the Foundations of Disability (3 Credits)

The role of historical events, politics, media, race, gender, and other issues in shaping how disability is viewed. A critical framework for understanding how disability is viewed in Western culture and the effects of those views on individuals with disabilities.

Carolina Core: GSS

EDEX 301 - Introduction to Students with Autism (3 Credits)

Introduction to autism including definition, characteristics, causes, and evidence-based practices.

EDEX 315 - Introduction to Applied Behavior Analysis in Special Education (3 Credits)

Introduction to the principles of behavior and their application to improving educational and behavioral outcomes of students with disabilities.

Prerequisites: C or better in EDEX 523.

EDEX 316 - Introduction to Functional Behavioral Assessment and Behavior Interventions (3 Credits)

Introduction to procedures used in school settings for reducing challenging behaviors through conducting a functional behavioral assessment and writing and implementing a behavior intervention plan.

Prerequisites: C or better in EDEX 315.

EDEX 390 - Introduction to Assessment in Special Education (3 Credits)

Introduction to concepts and methods of assessment in special education with emphasis on administering, scoring, and analysis of standardized educational tests.

Prerequisites: C or better in EDEX 523.

EDEX 392 - Collaborative Partnerships in Special Education (3 Credits)

Knowledge and skills critical to special education practitioners in fostering healthy and productive relationships with fellow professionals, students, and families.

Prerequisites: C or better in EDEX 523.

EDEX 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDEX 413 - Internship I in Special Education (6 Credits)

Experience in the observation and teaching of Pk – 12 students with exceptionalities across settings appropriate to special education teaching certification. Admission to Internship I in Special Education required.

EDEX 426 - Seminar in Special Education (3 Credits)

Synthesis of the knowledge and skills acquired through course work and field experiences during special education teacher preparation. Admission to Internship II in Special Education required.

Corequisite: EDEX 496.

EDEX 491 - Introduction to Inclusion of Students with Mild Disabilities (2 Credits)

Inclusion strategies and accommodation planning for students with mild disabilities in general education classrooms.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

EDEX 496 - Internship II in Special Education (12 Credits)

Application of effective teaching techniques and organization of instructional settings for exceptional learners in special education. Admission to Internship II Special Education required.

Corequisite: EDEX 426.

EDEX 523 - Introduction to Exceptional Children (3 Credits)

Overview of the field of education for exceptional children. Basic course for those entering the field of special education.

EDEX 525 - The Nature of Orthopedic and Special Health Problems (3 Credits)

Symptomatology, behavioral manifestations, and resources for care and treatment of orthopedic conditions and other types of health problems in children and youth.

EDEX 530 - Introduction to Early Childhood Special Education (3 Credits)

An overview of early childhood special education for young children with disabilities and their families.

EDEX 531 - Nature of Students with Specific Learning Disabilities (3 Credits)

Children with average/above average intelligence and specific learning impairments; diagnostic and remedial techniques. (Offered by both the College of Education and the Department of Psychology).

Prerequisites: EDEX 523 or PSYC 528.

Cross-listed course: PSYC 529

EDEX 540 - Nature and Needs of the Gifted and Talented (3 Credits)

Types and characteristics of the gifted and talented.

Prerequisites: EDEX 523 or PSYC 518.

EDEX 580 - Direct Instruction in Reading for At-Risk Learners (3 Credits)

A study of the skills and knowledge required to implement direct instruction procedures when teaching reading, with opportunity for application of skills. Research and theoretical foundations will also be evaluated.

Prerequisites: EDEX 523.

EDEX 581 - Teaching Reading in the Content Area to Adolescents with Reading Disabilities (3 Credits)

Research, theory, and instructional practices related to providing reading instruction in content areas for youth with disabilities, with a focus on developing disciplinary literacy in inclusive settings.

EDEX 582 - Teaching Mathematics to Students at Risk (3 Credits)

Research, theory, and instructional practices related to mathematical readiness and instruction for children and youth at risk for mathematical difficulties.

Prerequisites: EDEX 523 or EDEX 491.

EDEX 610 - Instruction of Students with Severe and Multiple Disabilities (3 Credits)

Data-based instruction for teaching students with significant disabilities: task and developmental analysis, individualizing instruction, and preparing and implementing instructional programs.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 615 - Curriculum and Language Instruction for Students with Severe and Multiple Disabilities (3 Credits)

Design, development, adaptation, and implementation of curriculum, language and communication instruction for students with significant disabilities.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 616 - Instruction of Students with Specific Learning Disabilities (3 Credits)

Theory and application of current evidence-based procedures for teaching children with specific learning disabilities.

Prerequisites: EDEX 523, EDEX 531, or EDEX 632 or equivalent.

EDEX 619 - Nature of Students with Intellectual Disabilities (3 Credits)

Nature and causes of intellectual disabilities, behavior, and potentialities of persons with intellectual disabilities.

Prerequisites: a course in the areas of child psychology or child development.

EDEX 630 - Educational Procedures for Early Childhood Special Education (3 Credits)

An initial course in educational procedures focusing on intervention strategies for serving young children with disabilities in inclusive environments.

Prerequisites: EDEX 530.

EDEX 632 - Nature of Students with Emotional and Behavior Disabilities (3 Credits)

Characteristics, etiology, and major theoretical models for children experiencing emotional and/or behavioral problems in school; special education curriculum, programming alternatives, assessment, and issues concerning this population.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 640 - Managing Problem Behavior in the Classroom (3 Credits)

The development of a workable approach to classroom management through an examination of a research-based synthesis of current knowledge in classroom and behavior management.

EDEX 643 - Social/Emotional Development and Guidance for Young Children with Developmental Delays (3 Credits)

DEC Practices in Early Childhood Special Education, Assessing and Monitoring Children's Challenging Behavior, and Preventive Strategies for Challenging Behavior.

Prerequisites: EDEX 523.

EDEX 646 - Advanced Procedures for Assessment in Early Childhood Special Education (ECSE) (3 Credits)

Advanced assessment methods for serving young children with and without developmental delays and their families.

Prerequisites: EDEX 530.

EDEX 670 - Nature of Students with Multi-categorical Disabilities (3 Credits)

Personal, social, and educational implications of a mild to moderate multi-categorical disability (emotional/behavioral, intellectual, and learning disabilities) throughout the lifespan of an individual.

Prerequisites: C or better in EDEX 523.

EDEX 671 - Instruction of Students with Multi-categorical Disabilities (3 Credits)

Theory and application of current evidence-based procedures for teaching children with mild to moderate multi-categorical disabilities.

Prerequisite or Corequisite: C or better in EDEX 670.

EDEX 682 - Introduction to Braille (3 Credits)

Basic course for mastery of the literary braille code. Transcription of instructional materials in literary braille.

EDEX 685 - Nature of Students with Visual Disabilities (3 Credits)

The psychological, social, and educational implications for persons with visual disabilities; definitions, incidence, characteristics of, and rehabilitative and educational programs for persons with visual disabilities.

EDEX 686 - Introduction to Deafness (3 Credits)

Educational implications of philosophy, theory, and research about deafness.

Prerequisites: EDEX 523 or equivalent.

EDEX 687 - Communication Systems for Students who are Deaf or Hearing Impaired (3 Credits)

Knowledge and basic skills of finger-spelling and sign forms for communication.

EDEX 690 - Independent Study (1-3 Credits)**EDEX 691 - Collaborative Partnerships in PK-12 Special Education (3 Credits)**

Communication and collaboration skills and strategies for creating and maintaining effective partnerships with a variety of stakeholders involved in educating students with disabilities in PK-12 settings.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 692 - Partnerships in Early Childhood Special Education (3 Credits)

Strategies for collaborating and communicating with families and other professionals as members of multidisciplinary teams in Early Intervention and Early childhood Special Education.

Prerequisites: EDEX 523.

EDFI 300 - Schools in Communities (3 Credits)

Social, political, and historical aspects of diverse educational institutions in American culture with an emphasis on families, schools, and communities. Sophomore standing.

Graduation with Leadership Distinction: GLD: Community Service

EDFI 321 - Dynamics of American Public Education (3 Credits)

Extensive treatment of the social, political, economic, and philosophical influences that have shaped public education. Analysis of the financial, organizational, and legal aspects of education. Library assignments provide a working knowledge of professional standard references and journals. Junior or higher standing.

EDFI 350 - Antiracist Education (3 Credits)

Basic concepts, issues, and practices of antiracist education. Topics include individual and institutional racism, overt and covert racism, curriculum, textbooks, power relationships, teacher-student relationships, and privacy.

Cross-listed course: AFAM 350

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

EDFI 357 - Sociology of Education (3 Credits)

Analysis of educational institutions, organizations, processes, and their effects in contemporary society.

Prerequisites: SOCY 101.

Cross-listed course: SOCY 357

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

EDFI 361 - Comparative and International Education (3 Credits)

Understanding of schooling in a global society. An introduction to comparative and international education and its major theories practices and research methodologies with an examination of educational issues, levels and system in a variety of cultural contexts and countries.

Graduation with Leadership Distinction: GLD: Global Learning

EDFI 399 - Independent Study (3 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDFI 592 - Historical Foundations of American Educational Thought (3 Credits)

A survey of the history, philosophy, administration, and legal bases of American education.

EDFI 643 - Southern Educational History (3 Credits)

Development of educational institutions in Southern society with special attention given to South Carolina.

EDPY 690 - Independent Study (1-3 Credits)**EDPY 333 - Introduction to Child Growth and Development (3 Credits)**

Basic course designed to familiarize the prospective teacher with the patterns of social, emotional, physical, and intellectual growth of the individual. Development of these growth patterns from the prenatal stage to the onset of adolescence.

EDPY 334 - Introduction to Adolescent Growth and Development (3 Credits)

Basic course designed to familiarize the prospective junior and senior high school teacher with the pattern of social, emotional, physical, and intellectual growth of the individual during his adolescent years. Recommendation of the advisor(s) required.

EDPY 335 - Introduction to Educational Psychology (3 Credits)

Applications of the psychology of learning and development. Special attention to basic statistics and the behavior of the school child.

EDPY 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDPY 401 - Learners and the Diversity of Learning (3 Credits)

Overview of psychological theories and research as it applies to education, including theories of learning, child and adolescent development, cognitive processes, classroom practices, individual differences/student diversity, and motivation.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

EDPY 401P - Practicum: Learners and the Diversity of Learning (1 Credit)

Field experience integrated with course on lifespan development and learning with an emphasis on individual and group diversity.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDPY 644 - Free-Choice Learning and Informal Learning Environments (3 Credits)

Examines free-choice (or informal) learning and the characteristics of settings and activities outside of formal schooling that effectively promote learning and development.

EDPY 690 - Independent Study (3-15 Credits)**EDUC 110 - USC Teaching Fellows Leadership Seminar (0 Credits)**

A resource for members of the Teaching Fellows Program to successfully complete yearly program requirements. Topics include: qualities of an effective teacher, how to give constructive classroom feedback, students' needs decision making, leadership styles, valuing diversity, and factors that influence/contribute to effective teacher leadership. Restricted to students enrolled in the USC Teaching Fellows Program. Instructor permission only.

EDUC 360 - Global and Multicultural Perspectives on Education in International Settings (3 Credits)

Study abroad course in which students apply social science knowledge and analytical methods to understand the ways in which culture, society, politics, and global forces affect education and schooling in diverse international settings. May be repeated as content varies by destination.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

EDUC 610 - Case Study in Classroom Management (3 Credits)

Case study in the clinical application of pedagogy and methods related to classroom management, including relational, procedural and instructional aspects of a classroom management approach.

EDUC 632 - Field Problems in Education I (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 633 - Field Problems in Education II (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 634 - Field Problems in Education III (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 635 - Field Problems in Education IV (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

Instruction and Teacher Education

Department Website (https://www.sc.edu/study/colleges_schools/education/about/academic_departments/ite/)

Fenice Boyd, *Chair*

The Department of Instruction and Teacher Education offers degree programs in early childhood, elementary, and middle level education.

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to early childhood, elementary, or middle level degree programs offered by the College of Education. To transfer into one of these degree programs, students must have a minimum overall cumulative 2.5 GPA. Students with less than 30 semester hours completed must also meet freshman admission requirements. Note: To be eligible for progression into the Professional Program in Education, student must achieve a minimum 2.75 overall GPA.

Progression Requirements

To remain in the early childhood, elementary, or middle level degree programs offered by the College of Education, a student must make satisfactory progress toward the degree. A student who fails to make satisfactory progress, as identified in each program area, may be placed on an Action Plan or deemed ineligible to progress in the program in which enrolled. An Action Plan will be written that describes specific goals, actions, and criteria which the student must meet in order to be eligible to progress. Students may repeat one time only, one course offered through a department in the College of Education for which an unsatisfactory grade was earned. Students who earn more than one unsatisfactory grade in an Education course will no longer be eligible to progress in the program.

Any student who fails to meet a progression requirement to continue in an undergraduate program in the College of Education and wishes to transfer to a different major in the Department of Instruction and Teacher Education must petition the new program and be approved for admission by the faculty of the program.

Additionally, all students in the college are subject to the regulations on probation, suspension, and readmission in the section of this bulletin titled "Academic Regulations" under the heading "Academic Standards Policies."

Professional Program

Admission to the professional program in early childhood, elementary, or middle level education is granted by the dean of the College of Education and constitutes the first "midpoint" review in each respective assessment system. Professional program and internship admission requirements can be found in the description of each program area.

Exit Requirements

1. Successfully complete all degree requirements.
2. Complete and submit an application for graduation to the College of Education's Office of Student Affairs early in the last semester of the senior year. Students should consult the official University calendar for the specific date that the application is due.

Early Childhood Education

The Department of Instruction and Teacher Education offers a program leading to a B.A. degree in early childhood education. Students successfully completing all certification requirements are eligible to apply for a professional credential to teach preschool through grade 3.

The Early Childhood Education Professional Program

Upon completion of 60 semester hours of course work, including courses specified by the program area, the candidate may apply for admission to the Professional Program in Early Childhood Education.

For admission to the professional program, the candidate must:

1. meet the state basic skills testing requirement;
2. pass the USC Education and Economic Development Act Assessment;
3. achieve a minimum overall GPA of 2.75
4. achieve a GPA of 3.00 or higher and no grade lower than **C** on education courses and field experiences;

5. earn a grade of **C** or better in specific course work as required by the program area.

The Early Childhood Internship Admission Requirements

For admission to the internship semesters, the candidate must:

1. be admitted to the professional program;
2. achieve a minimum overall GPA of 2.75
3. achieve a GPA of 3.00 or higher in all education course work with no grade lower than **C**;
4. achieve a grade of **C** or better in specified course work as required by the program area and completed since entry into the professional program;
5. successfully complete criminal background check as required by the S.C. Department of Education by program deadline;
6. earn a grade of **B** or better in either EDEC 342P or EDEC 443 to meet the dispositions requirement for admission to Internship II. An action plan is required for students who make a grade of **C** or **C+** in either EDEC 342P or EDEC 443.
7. Submit satisfactory work sample as required by the program area.

Elementary Education

The Department of Instruction and Teacher Education offers a program leading to a B.A. degree in elementary education. Students successfully completing all degree and certification requirements are eligible to apply for a professional credential to teach grades 2 through 6.

The Elementary Education Professional Program

Upon completion of 60 semester hours of course work including courses specified by the program area, the candidate may apply for admission to the Professional Program in Elementary Education.

For admission to the professional program, the candidate must:

1. meet the state basic skills testing requirement;
2. pass the USC Education and Economic Development Act Assessment;
3. achieve a minimum overall GPA of 2.75
4. achieve a GPA of 3.00 or higher and no grade lower than **C** in education courses and field experiences;
5. earn minimum required grade in specific course work as required by the program area.

The Elementary Education Internship Admission Requirements

For admission to the senior internship semesters, the candidate must:

1. be admitted to the professional program;
2. achieve a minimum overall GPA of 2.75;
3. achieve a GPA of 3.00 or higher in all education course work;
4. achieve a grade of **C** or better in specific course work as required by the program area;
5. pass criminal background check as required by the S.C. Department of Education by program deadline.

In addition to the above, for admission to EDEL 490 a GPA of 3.00 or higher is required in EDEL 440, EDEL 450, EDEL 460, EDEL 471 and EDRD 431.

Middle Level Education

The Department of Teaching and Instruction offers a program leading to a B.A. or B.S. degree in middle level education. Students successfully completing certification requirements are eligible to apply for a professional credential to teach grades 5 through 8.

Students pursuing a B.A. degree will complete 27 hours in liberal arts and 14 hours in science and mathematics and complete concentrations in English and social studies. Students pursuing a B.S. degree will complete 24 hours in liberal arts and 19 hours in science and mathematics and complete concentrations in science and mathematics. Students completing English/mathematics, English/science, social studies/mathematics, or social studies/science concentrations can choose between pursuing a B.A. or B.S. degree.

The Middle Level Education Professional Program

Upon completion of 60 hours of course work, including the completion of the 9-semester-hour education core (EDTE 201, EDFI 300, and EDPY 401), the candidate may apply for admission to the Professional Education Program in Middle Level Education. For admission to the professional program the candidate must have:

1. successfully meet the state basic skills testing requirement;
2. pass the USC Education and Economic Development Act Assessment;
3. achieve a minimum overall GPA of 2.75
4. achieve a GPA of 3.00 or higher and no grade lower than **C** in education courses and field experiences;
5. grade of **C** or better in specific course work as required by the program area.

The Middle Level Internship Admission Requirements

For admission into EDML 598 Internship A in the Middle School, a candidate must:

1. be admitted to the professional program;
2. complete EDML 321;
3. earn a grade of **C** or better in specific course work as required by the program area;
4. achieve a GPA of 3.00 or higher in all education course work;
5. comply with criminal background check and health screening requirements.

For admission into EDML 599 Internship B in the Middle School, a candidate must:

1. complete EDTE 522;
2. earn a grade of **C** or better in specific course work as required by the program area;
3. complete four of the six courses in each of the two content areas.

Programs

- Early Childhood Education, B.A. (p. 333)
- Elementary Education, B.A. (p. 335)
- Middle Level Education, B.A. (p. 338)
- Middle Level Education, B.S. (p. 341)
- Secondary Education Mathematics Minor (p. 345)

Courses

EDCS 625 - Solving Practical Problems in School Curriculum (3 Credits)

An introduction to current and promising designs and approaches to curriculum development from grades K-12.

EDCS 690 - Independent Study (1-3 Credits)

EDEC 201 - Inquiry into Early Childhood Education (3 Credits)

Inquiry into the roles, programs, history, and culture trends in early childhood education.

EDEC 250 - Play and Early Learning (3 Credits)

Theory and practice related to children's play and early learning in family, community, and educational settings.

EDEC 335 - African and African Diaspora Literacies in the Early Childhood Classroom (3 Credits)

Pedagogical methods for introducing young children in prekindergarten-to-third grade classrooms to perspectives on African and African Diaspora literacies (Peoples, histories, and contributions to the world's knowledge).

EDEC 336 - Culturally Relevant Pedagogy in Early Childhood Classrooms (3 Credits)

A study of the theoretical and practical foundations of effective teaching in diverse classroom environments. Ethnicity, gender, social class, religion and other issues are considered from multiple perspectives.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

EDEC 340 - The Young Child: Development, Care and Education (Birth to 3 years) (3 Credits)

Infants' and toddlers' development and care from an ecological perspective. Assessment of children in various settings is emphasized.

Corequisite: EDEC 340P.

EDEC 340P - The Young Child: Development, Care and Education (Birth to 3 years) Practicum (1 Credit)

Practicum in infants' and toddlers' development and care observed and assessed from an ecological perspective. Includes service learning.

Corequisite: EDEC 340.

EDEC 342 - The Young Child: Development, Care and Education (3-8 years) (3 Credits)

Development of young children and its relationship to appropriate practice and curriculum with an emphasis on mathematics, science, and social studies.

Prerequisites: EDEC 340 and EDEC 340P.

Corequisite: EDEC 342P, EDEC 344, EDEC 347 and EDRD 345.

Graduation with Leadership Distinction: GLD: Research

EDEC 342P - The Young Child: Development, Care and Education (3-8 years) Practicum (3 Credits)

Practicum in development, assessment, and education of young children with an emphasis on mathematics, science, and social studies.

Prerequisites: EDEC 340 and 340P.

Corequisite: EDEC 342, EDEC 344, EDEC 347 and EDRD 345.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEC 344 - Supporting Linguistic Pluralism Across Content Areas (3 Credits)

Introduction to issues, ideas, practices and policies in support of learning and teaching in multilingual classrooms, pre-K to grade 12 for undergraduate early childhood education majors. Early Childhood Majors Only.

Corequisite: EDEC 342, EDEC 342P, EDEC 347 and EDRD 345.

EDEC 345 - Teaching Reading in Early Childhood Education I (3 Credits)

Theory and practice in the teaching of reading for children from birth through age eight for undergraduate majors in early childhood.

Prerequisites: Admission to the professional program in Early Childhood Education.

Corequisite: EDEC 342, EDEC 342P, EDEC 344 and EDEC 347.

EDEC 347 - Community of Learners and Classroom Management in Early Childhood (3 Credits)

Methods of building a community of learners including child guidance and group management that foster the development of self-control and learning.

Corequisite: EDEC 342, EDEC 342P, EDEC 344 and EDRD 345.

EDEC 441 - Teaching Mathematics in Early Childhood (3 Credits)

Methods and materials in teaching and assessment in early childhood mathematics (prekindergarten-grade 3). Admission to Internship I.

Corequisite: EDEC 443.

EDEC 442 - Teaching Science in Early Childhood Education (3 Credits)

The study and practice of science education for pre-school and primary students focusing on appropriate content, goals and methods. Admission to internship in early childhood education.

Corequisite: EDEC 443.

EDEC 443 - Internship in Integrated Curriculum in Early Childhood Education (4 Credits)

Internship in developmentally and culturally appropriate content and pedagogy in language and literacy, mathematics, science, social studies, and fine arts for young children through grade 3. Admission to internship in early childhood education.

Corequisite: EDEC 441, EDEC 442 and EDRD 445.

EDEC 444 - Teaching Social Studies to Early Childhood Education (3 Credits)

The study and practice of Social Studies education for undergraduate majors in early childhood education. Early Childhood Majors Only.

EDEC 445 - Teaching Writing in Early Childhood Education (3 Credits)

Theory and practice in the teaching of writing for children from birth through age eight. For undergraduate majors in early childhood education including literacy practicum.

Prerequisites: C or better in EDEC 345.

Corequisite: EDEC 443.

EDEC 492 - Internship in Curriculum, Assessment, Teaching, and Professional Roles (9 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood) related to professional roles. Admission to the Professional Program in Early Childhood Education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDEC 510 - Parent/Family Dynamics in Early Childhood Education (3 Credits)

Principles, practices, and content of family dynamics, including practicum/service learning.

Graduation with Leadership Distinction: GLD: Community Service

EDEC 540 - The Young Child: Behavior and Development in Early Childhood (3 Credits)

Service-learning and seminar experiences addressing intellectual, physical, social, and emotional development, prenatal through grade three, within an ecological context. Child's critical thinking, creative expression, and diagnosis/assessment emphasized.

EDEC 546 - Education of Young Children: An Ecological Approach (3 Credits)

An ecological study with emphasis on home-school relations, parent involvement, and community resources. Multicultural perspectives and needs of exceptional children addressed.

Corequisite: EDEC 469.

EDEC 547 - Field Problems: Teaching Mathematics Using Manipulative Materials, Grades K-3 (3 Credits)

Instructional approaches and materials for teaching elementary school mathematics, grades K-3.

EDEC 570 - Internship in Environments for Teaching and Learning (3 Credits)

Internship for practice in classrooms appropriate to early childhood education related to curriculum design and assessment. Admission to the professional program in early childhood education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEC 591 - Seminar on Teaching in Early Childhood (3 Credits)

Exploration of the principles and theories about teaching and learning as they apply to early childhood education in the context of schools in democratic societies.

Prerequisites: admission to internship in early childhood education.

Corequisite: EDTE 590A, EDTE 590B, and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EDEC 608 - Parent Involvement in Early Childhood Education (3 Credits)

Analysis of programs and practices for involving parents in early childhood educational settings. Emphasizes objectives, methods, techniques, and materials for program development. Community resources for supporting programs for children in various instructional settings.

EDEC 690 - Independent Study (1-3 Credits)**EDEL 305 - Nature and Management of Elementary Classrooms (3 Credits)**

The learning environment to include diversity of students, instructional materials, classroom management, and communication patterns.

Prerequisites: EDPY 401, EDTE 201.

EDEL 306 - Culturally Sustaining Pedagogy for the Elementary Classrooms (3 Credits)

Theoretical and pedagogical approaches to Culturally Sustaining Pedagogy (CSP)—curriculum design tools and instructional strategies that reflect the diversity of students' cultural backgrounds and languages in elementary classrooms.

EDEL 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDEL 405P - Practicum in Elementary Education (1 Credit)

Sequence of supervised field experiences in an assigned school setting.

Prerequisites: EDEL 301.

EDEL 440 - Elementary Mathematics Instruction (3 Credits)

Approaches, materials, and methods for teaching mathematics in elementary grades. Restricted to students in the BA program in elementary education.

Prerequisites: Admission to the professional program and MATH 221.

EDEL 441 - Introductory Elementary Internship (3 Credits)

Field experience requiring students to gradually assume the responsibilities of teaching in an assigned classroom under the guidance of an experienced teacher.

Corequisite: EDRD 430.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 450 - Elementary Science Instruction (3 Credits)

Instructional approaches and methods for teaching science in elementary grades.

Prerequisites: Admission to the professional program.

EDEL 460 - Elementary Social Studies Instruction (3 Credits)

Instructional approaches, materials, and methods for teaching social studies in elementary grades. Restricted to students in the B.A. program in Elementary Education.

EDEL 470 - Directed Teaching in the Elementary and or Middle Schools (3 Credits)

Teaching and related experiences, including seminars and workshops. Admission to professional teacher certification program and completion of the elementary education core.

Prerequisites: EDRD 420.

EDEL 471 - Internship in Environments, Planning, and Motivation for Teaching and Learning (6 Credits)

Internship for practice in classrooms appropriate to elementary education related to curriculum design and assessment. Field experiences emphasize planning lessons that actively engage students in learning.

Prerequisites: Admission to the internship in elementary education.

EDEL 490 - Internship in Elementary Education (12 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to curriculum design, assessment, interactive teaching, and professional roles.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 491.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

EDEL 490A - Internship in Curriculum and Assessment (4 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to curriculum design and assessment.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490B and EDEL 490C.

EDEL 490B - Internship in Teaching (4 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to interactive teaching.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490A and EDEL 490C.

EDEL 490C - Internship in Professional Roles (4 Credits)

Internship for practice in elementary classrooms (grade 2-6) related to professional roles.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490A and EDEL 490B.

EDEL 491 - Seminar on Teaching (3 Credits)

Exploration of the principles and theories about teaching and learning as they apply to the field of practice in the context of schools in democratic societies.

Prerequisites: Admission to Internship in Elementary Education.

Corequisite: EDEL 490A, EDEL 490B, and EDEL 490C.

EDEL 505P - Inquiry Practicum: The Elementary School (1 Credit)

Identifying and understanding the various components of the elementary environment through the practice of inquiry through field-based experiences.

Corequisite: EDEL 305.

EDEL 506 - Integrated Curriculum in Elementary Schools (3 Credits)

Examining and practicing a variety of approaches that connect the content of different elementary school subjects.

EDEL 506P - Inquiry Practicum: Roles of Elementary Teachers (1 Credit)

Identifying and understanding the roles of elementary teachers through the practice of inquiry through field-based experiences.

Corequisite: EDEL 506.

EDEL 510 - Teaching Second Languages to Young Children (3 Credits)

To assist prospective teachers of young children in the development of a second language and multicultural learning activities. Practicum sessions are an integral part.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: FORL 510

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 515 - Science in the Elementary School (3 Credits)

Reinforces the science background of prospective and practicing elementary teachers. Innovations are examined. Emphasis is placed on methods, materials, community resources, and evaluation procedures.

EDEL 544 - Modern Approaches to Mathematics Teaching (3 Credits)

Curriculum and pedagogy for mathematics topics taught in grades 3 through 8.

EDEL 548 - Field Problems: Teaching Mathematics Using Manipulative Materials, Grades 4-6 (3 Credits)

Instructional approaches and materials for teaching elementary school mathematics, grades 4-6. This course cannot be applied to a graduate degree in the elementary education program.

EDEL 560 - Social Studies in the Elementary/ Middle School (3 Credits)

Fundamentals of social studies education in the elementary/middle school.

EDEL 570 - Internship in Environments for Teaching and Learning (3 Credits)

Internship for practice in classrooms appropriate to elementary education related to curriculum design and assessment.

Prerequisites: Admission to the internship in elementary education.

EDEL 571 - Internship in Planning and Motivation (3 Credits)

Field experience that emphasizes planning lessons that actively engage students in learning.

Prerequisites: Admission to the internship in elementary education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 642 - Teaching Mathematics to Young Children (3 Credits)

Analysis of a developmental approach to teaching children under the age of 9.

EDEL 645 - Diagnostic Teaching of Arithmetic (3 Credits)

Analysis of the concepts and skills of arithmetic in the school mathematics curriculum; exploration of diagnostic-prescriptive teaching methods.

EDEL 670 - Language Arts in the Elementary and Middle School (3 Credits)

Examine the content, goals, and methods of teaching language arts in elementary and middle school.

EDEL 690 - Independent Study (1-3 Credits)**EDML 321 - Middle Level Teaching and Management (3 Credits)**

Overview of national trends in the middle school with an analysis of the relationship of early adolescent developmental characteristics to organization, curriculum, instruction, and teaching in the middle school level.

EDML 470 - Foundations in Reading (3 Credits)

Reading foundations, curriculum, and assessments for teaching young adolescents across academic disciplines.

EDML 471 - Middle Level Content Area Reading and Writing (3 Credits)

Examination of planning, implementation, and assessment of reading strategy instruction across disciplines and content areas in middle level classrooms. Restricted to: teacher candidates enrolled in the middle level degree program.

EDML 553 - Methods and Materials for Teaching Science in the Middle Grades (3 Credits)

A study of methods, techniques, and materials of instruction appropriate to science teaching in the middle school.

EDML 563 - Methods and Materials for Teaching Social Studies in the Middle School (3 Credits)

A study of goals, content, methods, and materials of instruction in middle school social studies.

EDML 572 - Middle Level Literacy Assessment (3 Credits)

Introduces literacy assessment for individual and small groups or middle level students.

EDML 573 - Methods and Materials for Teaching English/Language Arts in the Middle Grades (3 Credits)

Introduces goals, content, and methods of teaching language arts at the middle level.

EDML 583 - Methods and Materials for Teaching Mathematics in the Middle Grades (3 Credits)

A study of methods, techniques, and materials of instruction appropriate to mathematics teaching in the middle school.

EDML 584 - Middle School Internship Seminar (3 Credits)

Inquiry into the issues that arise during internship B experiences including classroom management, adolescent development, legal/professional responsibilities, multicultural perspectives, and needs of exceptional children.

Corequisite: EDML 599.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDML 598 - Internship A in the Middle School (3 Credits)

Application of effective teaching techniques and organization of instructional settings for middle school students.

Prerequisites: admission to internship in middle level program.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDML 599 - Internship B in the Middle School (12 Credits)

Application of effective teaching techniques and organization of instructional settings for middle school students.

Prerequisites: B or better in EDML 598.

Corequisite: EDSE 584.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

EDRD 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDRD 430 - Elementary Literacy Instruction I (6 Credits)

Examination and implementation of the key concepts, content, goals, and strategies in teaching reading and the language arts in the elementary school. Students will work with elementary children in a school setting to learn literacy concepts and instructional strategies. Admission to the B.A. program in elementary education, children's literature course. Designated for undergraduate students seeking initial certification.

EDRD 431 - Reading Assessment (3 Credits)

Seminar and supervised one-on-one field experience focused on reading assessment of and instruction for individual children and groups of children. Restricted to: Undergraduate students pursuing teacher certification.

Prerequisites: admission to the professional program.

EDRD 500 - Content Area Literacy PK-12 (3 Credits)

A survey of research and practice which facilitates students' literacy skills in the content areas. For K-12 content area teachers of art, dance, physical education, foreign language, music and theatre.

EDRD 511 - Teaching Reading to Adults I (3 Credits)

Diagnostic and prescriptive modes of teaching reading to adults, based on the physical, psychological, intellectual, and social characteristics of the adult learner.

EDRD 512 - Teaching Reading to Adults II (3 Credits)

Preparation of materials for teaching basic reading skills to adults and practicum experiences in teaching adults to read.

Prerequisites: EDCO 511 or EDRD 511.

EDRD 514 - Teaching of Reading in the Elementary School (3 Credits)

Study of the various phases of reading in their relation to a modern program of education and the place of reading in the curriculum. Emphasis on modern practices in the classroom teaching of reading.

EDRD 518 - Reading in the Secondary School (3 Credits)

The place of reading instruction in high schools, the programming of special services in reading instruction, methods of teaching basic and developmental reading skills, and case studies of programs. Demonstrations of tests and devices.

EDRD 600 - Foundations of Reading Instruction (3 Credits)

An overview of reading and its curriculum implications: grades K-12 and adults. Emphasis is placed on current trends and issues and related methodologies.

EDRD 650 - Teaching Reading Through A Literature Emphasis (3 Credits)

Integrating appropriate literature into traditional and alternative reading programs. Identifying appropriate literature for classroom use and recreational reading. Use of literature as a means of developing and reinforcing reading skills.

EDRD 651 - Introduction to Teaching Media Literacy (3 Credits)

A survey of analysis of electronic and non-print media themes and messages aimed at youth, with special emphasis on design and implementation of curricula for enhancing children's media literacy.

EDRD 690 - Independent Study (1-3 Credits)**EDSE 110 - Introduction to Careers in Education (3 Credits)**

An individualized survey of careers in education, utilizing practica, seminars, and input from various disciplines to focus on personal and professional development. Pass-fail credit.

EDSE 111 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 210 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 211 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 310 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 311 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 312 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDSE 410 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 446 - Secondary School Curriculum (3 Credits)

The organization, historical context, foundations for curriculum development, process of curriculum planning, design of the curriculum, and strategy of curriculum change in the secondary school. A laboratory experience in teaching media is included. Open only to juniors and seniors or graduates completing certification requirements.

EDSE 472 - Directed Teaching in High School (Business Education) (12 Credits)

ACAF 2.03: 07/05/2019.

EDSE 473 - Directed Teaching in High School (English) (12 Credits)**EDSE 475 - Directed Teaching in High School (History and Social Studies) (12 Credits)****EDSE 480 - Directed Teaching in High School (Distributive Education) (12 Credits)****EDSE 481 - Directed Teaching in High School (Science) (12 Credits)****EDSE 482 - Directed Teaching in High School (Health) (12 Credits)****EDSE 483 - Directed Teaching in High School (Theatre and Speech) (12 Credits)****EDSE 484 - Secondary Student Teaching Seminar (3 Credits)**

Classroom management, discipline, legal responsibilities, multicultural perspectives, and needs of exceptional children.

EDSE 500 - Equity and Community Engagement (3 Credits)

Field-based inquiry into theories of critical multicultural education, culturally relevant and equity pedagogies with an emphasis on middle/high school students and engaging parents and the larger school community.

EDSE 502 - Teachers and Teaching (3 Credits)

Teaching as reflective and ethical practice. Professional standards, teacher leadership and school change, and various roles of professional educators.

EDSE 505 - Source Materials for Geographic Instruction (3 Credits)

Introduction to selected materials available for all levels of instruction in geography. Emphasis on the substantive nature of the materials.

Cross-listed course: GEOG 560

EDSE 508 - Teaching Middle and High School (Business Education) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school business education.

EDSE 528 - Study of the Teaching of Business Education in the Secondary School (3 Credits)

Teaching techniques and methodology related to the business education curriculum, emerging technology and software.

EDSE 547 - Teaching Middle and High School (English) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school English.

Prerequisites: Admission to MAT program for graduate students; EDSE 402 for undergraduate students.

EDSE 548 - Earth Science for Teachers I (3 Credits)

Origin, internal structure and internal processes of the earth, including plate tectonics, earthquakes, volcanoes, and mountain building. Required field trips, two lectures, and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Cross-listed course: GEOL 540

EDSE 549 - Earth Science for Teachers II (3 Credits)

Surface processes acting on the earth; introduction to weather and climate, weathering, erosion, and sedimentary processes; land form evolution; ocean currents and tides, near-shore geologic processes. Required field trips, two lecture, and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Prerequisites: EDSE 548/GEOL 540.

Cross-listed course: GEOL 541

EDSE 550 - Teaching Middle and High School (Mathematics) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school mathematics.

EDSE 551 - Teaching Middle and High School (Health) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school health.

EDSE 552 - Teaching Middle and High School (Marketing Education) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school marketing education.

EDSE 553 - Teaching Middle and High School (Science) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school science.

EDSE 554 - Teaching Middle and High School (Theatre and Speech) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school theatre and speech.

EDSE 558 - Teaching Middle and High School (History and Social Studies) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school history and social studies.

EDSE 575 - Teaching Foreign Languages in Secondary Schools (3 Credits)

Current methods, techniques, and materials of instruction appropriate for secondary schools.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: FORL 511

EDSE 580 - Teaching Advanced Latin in Secondary School (3 Credits)

Methods and materials for teaching the Latin Advanced Placement courses in secondary school.

Corequisite: LATN 580.

EDSE 584 - Middle and High School Internship Seminar (3 Credits)

Classroom management, service learning, legal/professional responsibilities, multicultural perspectives and needs of exceptional children.

Corequisite: Internship II.

EDSE 585 - Secondary Internship Seminar I (1 Credit)

Integration of content, pedagogy, and disposition knowledge learned during coursework with Internship I field experiences.

Corequisite: Students must be enrolled in the Internship I field experiences.

EDSE 586 - Secondary Internship Seminar II (2 Credits)

Integration of content, pedagogy, and disposition knowledge learned during coursework with Internship II field experiences.

Corequisite: Students must be enrolled in the Internship II field experiences.

EDSE 660 - Teaching Mathematics with Manipulatives, Grades 7-12 (3 Credits)

Methods and materials for using manipulative devices to teach middle and high school level mathematics.

EDSE 670 - Graphics Calculators in High School Mathematics (3 Credits)

Methods and materials for using graphics calculators to teach algebra, elementary functions, and analytic geometry.

EDSE 690 - Independent Study (1-3 Credits)**EDTE 101 - Introduction to Careers in Education (2 Credits)**

A survey of professional issues and concerns in education.

EDTE 101P - Practicum in Careers in Education (1 Credit)

Seminars and visits to schools and classrooms.

Prerequisite or Corequisite: EDTE 101.

EDTE 201 - Issues and Trends in Teaching and Learning (3 Credits)

Introduces and examines current issues and trends in teaching and learning.

EDTE 202 - Global Citizenship and Social Responsibility through Education (3 Credits)

Examining the continuing evolution of education and the direct impact on the development of social responsibility, values, and our place as global citizens.

Carolina Core: GSS, VSR

EDTE 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.

Cross-listed course: AFAM 218, JSTU 218

Carolina Core: GSS, VSR

EDTE 400 - Learning Through Community Service (1 Credit)

Documentation and synthesis of community service activities designed to prepare professional educators.

Corequisite: EDFN 300 and enrollment in an approved community experience.

Graduation with Leadership Distinction: GLD: Community Service

EDTE 448 - Teaching Internship in Foreign Languages (3 Credits)

Application of effective teaching techniques and organization of instructional settings in foreign languages for K-12.

Prerequisite or Corequisite: admission to the professional program of education.

Cross-listed course: FORL 448

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

EDTE 474 - Directed Teaching in Foreign Languages (15 Credits)

Students apply methods of curriculum and assessment, professionalism, effective teaching, and organization of instructional settings during internship in foreign language classrooms.

Prerequisites: admission to the professional program of education.

Cross-listed course: FORL 474

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDTE 500 - Mathematics Knowledge for Teaching I: PK-8 (3 Credits)

Pedagogical content knowledge for teaching number concepts and operations, fraction, ratio, and proportional reasoning, and algebraic reasoning.

EDTE 501 - Mathematics Knowledge for Teaching II: PK-8 (3 Credits)

Pedagogical content knowledge for teaching number and operations, data concepts and statistical reasoning, geometry, measurement, and spatial reasoning.

Prerequisites: C or better in EDTE 500.

EDTE 522 - Integrated Curriculum at the Middle Level (3 Credits)

Constructing, teaching, and assessing an integrated curriculum for students in middle schools. Upper level undergraduate students exploring middle level education.

EDTE 590A - Internship in Curriculum and Assessment (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to curriculum design and assessment.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590B and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 590B - Internship in Teaching (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to interactive teaching.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590A and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 590C - Internship in Professional Roles (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to professional roles.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590A and EDTE 590B.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 600 - Systematic Effective Teaching (3 Credits)

Application of research-supported effective teaching techniques to the teaching-learning process, including demonstration lessons, observations, and supervisory conferences.

EDTE 605 - Cooperative/Team Learning in Education (3 Credits)

Instructional approaches, materials, and procedures for utilizing cooperative/team learning in education.

EDTE 610 - Integrated Reading and Writing Instruction (3 Credits)

Theoretical bases and techniques for teaching reading and writing in the elementary school, using multiple subject areas.

EDTE 611 - Whole Language: Concepts and Practices (3 Credits)

Development of concepts, materials, and practices to implement a whole language philosophy.

EDTE 620 - Restructuring Schools: Teachers and Classrooms (3 Credits)

Examination of issues related to restructuring schools based on different assumptions about teaching, learning, and assessment.

EDTE 621 - Middle Level School Today (3 Credits)

National trends in the middle level school; emphasis on the relationship of early adolescent developmental characteristics to organization, curriculum, instruction, and teaching.

EDTE 625 - Integrating Character Education into Instructional Programs (3 Credits)

Rationale, processes, and methodologies for integrating character education into school or school district instructional programs.

EDTE 626 - Service Learning for Schools, Community, and Workplace Responsibility (3 Credits)

Assist school personnel in designing academic, personal, civic, and workplace responsibility.

EDTE 631 - Technology to Support Instruction (3 Credits)

Introduction to computers, educational technology, and selected applications for instructional management.

EDTE 671 - Computers in Science Education (3 Credits)

Use of computer technology in teaching and managing science classes and problems in grades K-12.

Early Childhood Education, B.A.

This program is designed for undergraduate students at the University of South Carolina who are interested in a career as an early childhood teacher, serving children birth through age 8. Students who successfully complete the degree and licensure requirements and have a positive recommendation by the faculty will be recommended for teacher certification for prekindergarten through grade 3.

Learning Outcome

Students who graduate with a B.A. in Early Childhood Education should be able to ...

- Effectively measure candidate performance and program effectiveness using methods that align with the Specialized Professional Association (SPA) or College of Education standards.

Admissions

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e. student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Degree Requirements (122 hours)

See College of Education (p. 320) for certification requirements and other academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	15-21
4. Major Requirements	70

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (7-8 hours)

Life Science from the following (3-4 hours):

- BIOL 110
- BIOL 120 & BIOL 120L

Physical Science/Earth Science from the following (3-4 hours):

- ASTR 101
- CHEM 101
- CHEM 102
- CHEM 111
- CHEM 111L
- PHYS 101 & PHYS 101L
- GEOL 101
- GEOL 103
- GEOL 201

- MSCI 101
- MSCI 210
- MSCI 215
- ENVR 101
- ENVR 101L
- ENVR 200

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Complete the Carolina Core approved courses in Foreign Language (GFL) or by achieving a score of 2 or better on a USC foreign language placement test.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS courses (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS courses (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (15-21 hours)

Supporting Courses (15 hours)

The following courses must be passed with a grade of C or higher

Course	Title	Credits
Select one of the following: 3		
ISCI 325	Children's Literature	
ENGL 431A	Children's Literature	
ENGL 431B	Picture Books	

MATH 221	Basic Concepts of Elementary Mathematics I	3
MATH 222	Basic Concepts of Elementary Mathematics II	3
PEDU 575	Physical Education for the Classroom Teacher	3
Select one of the following: 3		
ARTE 520	Art for Elementary Schools	
ARTE 530	Art of Children	
ARTE 260	Interdisciplinary Relationships in the Arts	
MUED 454	Music for Young Children	
THEA 522	Drama in Education	

Total Credit Hours 15

Minor (0-18 hours) optional

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

Electives (0-6 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements. Minimum degree requirements must equal 122 hours.

4. Major Requirements (70 hours)

A minimum grade of C is required in all major courses.

Education Core (14 hours)

Course	Title	Credits
EDTE 201	Issues and Trends in Teaching and Learning	3
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDRM 423	Introduction to Classroom Assessment	2
One course selected from:		3
EDEX 523	Introduction to Exceptional Children	
EDEX 530	Introduction to Early Childhood Special Education	

Total Credit Hours 14

¹ By special permission of early childhood faculty, see advisor.

Early Childhood Core (42 hours)

Course	Title	Credits
EDEC 250	Play and Early Learning	3
EDEC 336	Culturally Relevant Pedagogy in Early Childhood Classrooms	3
EDEC 335	African and African Diaspora Literacies in the Early Childhood Classroom	3
EDEC 340	The Young Child: Development, Care and Education (Birth to 3 years)	3
EDEC 342	The Young Child: Development, Care and Education (3-8 years)	3
EDEC 344	Supporting Linguistic Pluralism Across Content Areas	3
Select one course selected from:		3

EDEC 347	Community of Learners and Classroom Management in Early Childhood	
EDEX 643	Social/Emotional Development and Guidance for Young Children with Developmental Delays ¹	
EDEC 441	Teaching Mathematics in Early Childhood	3
EDEC 442	Teaching Science in Early Childhood Education	3
EDEC 444	Teaching Social Studies to Early Childhood Education	3
EDEC 591	Seminar on Teaching in Early Childhood	3
One course selected from:		3
EDEC 510	Parent/Family Dynamics in Early Childhood Education	
EDEX 692	Partnerships in Early Childhood Special Education ¹	
EDEC 345	Teaching Reading in Early Childhood Education I	3
EDEC 445	Teaching Writing in Early Childhood Education	3
Total Credit Hours		42

¹ By special permission of early childhood faculty, see advisor.

Practicum and Internship Experience (14 hours)

Course	Title	Credits
EDEC 340P	The Young Child: Development, Care and Education (Birth to 3 years) Practicum	1
EDEC 443	Internship in Integrated Curriculum in Early Childhood Education	4
EDEC 492	Internship in Curriculum, Assessment, Teaching, and Professional Roles	9
Total Credit Hours		14

Note: A grade of B or better in either EDEC 342P or EDEC 443 is required to meet the dispositions requirement for admission to Internship II. Students making below a grade of B in both these courses are not eligible to progress. An action plan is required for students who make a grade of C or C+ in either EDEC 342P or EDEC 443.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Early Childhood Education, B.A.

Elementary Education, B.A.

Learning Outcome

Students who graduate with a B.A. in Elementary Education should be able to ...

- Know, understand, and use the major concepts, principles, theories, and research related to development of children and young adolescents to construct learning opportunities that support

individual students' development, acquisition of knowledge, and motivation.

- Demonstrate a high level of competence in use of English language arts and they know, understand, and use concepts from reading, language and child development, to teach reading, writing, speaking, viewing, listening, and thinking skills and to help students successfully apply their developing skills to many different situations, materials, and ideas.
- Know, understand, and use fundamental concepts of physical, life, and earth/space sciences. Candidates can design and implement age-appropriate inquiry lessons to teach science, to build student understanding for personal and social applications, and to convey the nature of science.
- Know, understand, and use the major concepts and procedures that define number and operations, algebra, geometry, measurement, and data analysis and probability. In doing so they consistently engage problem solving, reasoning and proof, communication, connections, and representation.
- Know, understand, and use the major concepts and modes of inquiry from the social studies-the integrated study of history, geography, the social sciences, and other related areas-to promote elementary students' abilities to make informed decisions as citizens of a culturally diverse democratic society and interdependent world.
- Know, understand, and use-as appropriate to their own understanding and skills-the content, functions, and achievements of the performing arts (dance, music, theater) and the visual arts as primary media for communication, inquiry, and engagement among elementary students.
- Know, understand, and use the major concepts in the subject matter of health education to create opportunities for student development and practice of skills that contribute to good health.
- Know, understand, and use-as appropriate to their own understanding and skills-human movement and physical activity as central elements to foster active, healthy life styles and enhanced quality of life for elementary students.
- Plan and implement instruction based on knowledge of students, learning theory, connections across the curriculum, curricular goals, and community.
- Understand how elementary students differ in their development and approaches to learning, and create instructional opportunities that are adapted to diverse students.
- Understand and use a variety of teaching strategies that encourage elementary students' development of critical thinking and problem solving.
- Use their knowledge and understanding of individual and group motivation and behavior among students at the K-6 level to foster active engagement in learning, self motivation, and positive social interaction and to create supportive learning environments.
- Use their knowledge and understanding of effective verbal, nonverbal, and media communication techniques to foster active inquiry, collaboration, and supportive interaction in the elementary classroom.
- Know, understand, and use formal and informal assessment strategies to plan, evaluate and strengthen instruction that will promote continuous intellectual, social, emotional, and physical development of each elementary student.
- Be aware of and reflect on their practice in light of research on teaching, professional ethics, and resources available for professional learning; they continually evaluate the effects of their professional

decisions and actions on students, families and other professionals in the learning community and actively seek out opportunities to grow professionally.

- Know the importance of establishing and maintaining a positive collaborative relationship with families, school colleagues, and agencies in the larger community to promote the intellectual, social, emotional, physical growth and well-being of children.

Admissions

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e. student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Degree Requirements (120 hours)

See College of Education (p. 320) for certification requirements and other academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	24-27
4. Major Requirements	62

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (7-8 hours)

Select from two different categories below.

- **Life Science** from the following (3-4 hours):
 - BIOL 110
 - BIOL 120 & BIOL 120L
- **Physical Science** from the following (3-4 hours):
 - ASTR 101
 - CHEM 101
 - CHEM 105
 - CHEM 107
 - PHYS 101 & PHYS 101L
 - PHYS 201 & PHYS 201L
- **Earth Science** from the following (3-4 hours):
 - ENVR 101 & ENVR 101L
 - ENVR 200
 - GEOG 104
 - GEOG 201
 - GEOG 202
 - GEOL 101
 - GEOL 103
 - MSCI 210 & MSCI 210L
 - MSCI 215 & MSCI 215L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Complete the Carolina Core approved courses in Foreign Language (GFL) or by achieving a score of 2 or better on a USC foreign language placement test.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- Choose one of the following:
 - HIST 111
 - HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- Select one of the following:
 - POLI 101
 - POLI 201
 - GEOG 103
 - GEOG 221

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (24-27 hours) Supporting Courses (24-25 hours)

Complete 3-4 hours from the category below that was not used to fulfill CC-SCI (for a total of 10 hours in sciences, including the courses chosen to fulfill CC-SCI).

Course	Title	Credits
Select 3-4 hours from the science category below that was not used to fulfill CC-SCI (for a total of 10 hours in sciences, including the courses chosen to fulfill CC-SCI):		3-4

Life Science

BIOL 110	General Biology
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BIOL 120 & 120L	Human Biology and Laboratory in Human Biology
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Physical Science

ASTR 101	Introduction to Astronomy
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CHEM 101	Fundamental Chemistry I
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CHEM 105	Chemistry and Modern Society I
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CHEM 107	Forensic Chemistry
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PHYS 101 & 101L	The Physics of How Things Work I and The Physics of How Things Work I Lab
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PHYS 201 & 201L	General Physics I and General Physics Laboratory I
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Earth Science

ENVR 101	Introduction to the Environment
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ENVR 200	Natural History of South Carolina
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GEOG 104	Introduction to Physical Geography
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GEOG 201	Landform Geography
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GEOG 202	Weather and Climate
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GEOL 101	Introduction to the Earth
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GEOL 103	Environment of the Earth
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GEOL 201	Observing the Earth
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MSCI 210 & 210L	Oceans and Society and Oceans and Society Laboratory
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MSCI 215 & 215L	Coastal Environments of the Southeastern US and Coastal Environments of the Southeastern U.S. (Laboratory)
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Select one of the following:	3
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GEOG 121	Globalization and World Regions
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GEOG 210	Peoples, Places, and Environments
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GEOG 561	Contemporary Issues in Geography Education
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Select one of the following:	3
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ECON 221	Principles of Microeconomics
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ECON 222	Principles of Macroeconomics
----------	------------------------------

ECON 224	Introduction to Economics
----------	---------------------------

The following courses must be passed with a grade of C or higher.

Select one of the following:	3
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ISCI 325	Children's Literature
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ENGL 431A	Children's Literature
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ENGL 431B	Picture Books
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MATH 221	Basic Concepts of Elementary Mathematics I	3
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MATH 222	Basic Concepts of Elementary Mathematics II	3
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PEDU 575	Physical Education for the Classroom Teacher	3
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Select one of the following:	3
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ARTE 520	Art for Elementary Schools
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ARTE 530	Art of Children
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MUED 555	Integrating Music into the Elementary Classroom
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Total Credit Hours	24-25
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Minor (0-18 hours) optional

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

Electives (0-3 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements. Minimum degree requirements must equal 120 hours.

4. Major Requirements (62 hours)

Achieve a GPA of 3.00 or higher in all education course work; a minimum grade of C is required in all major courses.

Education Core (14 hours)

Course	Title	Credits
EDEX 523	Introduction to Exceptional Children	3
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDRM 423	Introduction to Classroom Assessment	2
EDTE 201	Issues and Trends in Teaching and Learning	3

Total Credit Hours	14
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Elementary Core and Clinical Experience (27 hours)

Course	Title	Credits
EDEL 305	Nature and Management of Elementary Classrooms	3
EDEL 306	Culturally Sustaining Pedagogy for the Elementary Classrooms	3
EDEL 440	Elementary Mathematics Instruction	3
EDEL 450	Elementary Science Instruction	3
EDEL 460	Elementary Social Studies Instruction	3
EDEL 491	Seminar on Teaching	3
EDRD 430	Elementary Literacy Instruction I	6

EDRD 431	Reading Assessment	3
Total Credit Hours		27

Practicum and Internship Experience (21 hours)

Course	Title	Credits
EDEL 441	Introductory Elementary Internship	3
EDEL 471	Internship in Environments, Planning, and Motivation for Teaching and Learning	6
EDEL 490	Internship in Elementary Education	12
Total Credit Hours		21

Note: For admission to EDEL 490, a GPA of 3.00 or higher is required in EDEL 440, EDEL 450, EDEL 460, and EDEL 471 .

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Elementary Education, B.A.

Middle Level Education, B.A.

Learning Outcomes

Students who graduate with a B.A. in Middle Level Education should be able to ...

- understand the major concepts, principles, theories, and research related to young adolescent development, and they provide opportunities that support student development and learning.
- understand the major concepts, principles, theories, and research underlying the philosophical foundations of developmentally responsive middle level programs and schools, and they work successfully within these organizational components.
- understand the major concepts, principles, theories, standards, and research related to middle level curriculum and assessment, and they use this knowledge in their practice.
- understand and use the central concepts, tools of inquiry, standards, and structures of content in their chosen teaching fields, and they create meaningful learning experiences that develop all young adolescents' competence in subject matter and skills.
- understand and use the major concepts, principles, theories, and research related to effective instruction and assessment, and they employ a variety of strategies for a developmentally appropriate climate to meet the varying abilities and learning styles of all young adolescents.
- understand the major concepts, principles, theories, and research related to working collaboratively with family and community members, and they use that knowledge to maximize the learning of all young adolescents.
- understand the complexity of teaching young adolescents, and they engage in practices and behaviors that develop their competence as professionals.

Admissions

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e. student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Degree Requirements (122-124 hours)

See College of Education (p. 320) for certification requirements and other academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	3-6
4. Major Requirements	85-90

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW course (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

- any two CC-SCI courses (p. 741) (one must include a lab)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

To meet the GFL requirement, students in the BA in Middle Level Education complete the Carolina Core approved courses in Foreign

Language (GFL) or by achieving a score of 2 or better on a USC foreign language placement test.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (3-6 hours)

Supporting Courses (3 hours)

Course	Title	Credits
Additional Literature or History		
Select one of the following:		3
ENGL 283	Special Topics in British Literature	
ENGL 285	Special Topics in American Literature	
ENGL 287	American Literature	
ENGL 288	English Literature	
Select an additional History course		
Total Credit Hours		3

Minor (18 hours) *optional*

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course

may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

Electives (0-3 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements. Minimum degree requirements must equal 122 hours.

4. Major Requirements (85-90 hours)

A minimum grade of C is required in all major requirements, including all major and concentration courses.

Major Courses (49 hours)

A minimum grade of C is required in all major courses.

Course	Title	Credits
Education Core		
EDTE 201	Issues and Trends in Teaching and Learning	3
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
Middle Level Core		
EDML 321	Middle Level Teaching and Management	3
EDTE 522	Integrated Curriculum at the Middle Level	3
EDML 470	Foundations in Reading	3
EDML 471	Middle Level Content Area Reading and Writing	3
EDEX 491	Introduction to Inclusion of Students with Mild Disabilities	2
EDRM 423	Introduction to Classroom Assessment	2
Select two middle grades content-specific methods courses (500-level) from the following 4 courses:		6
EDML 553	Methods and Materials for Teaching Science in the Middle Grades	
EDML 563	Methods and Materials for Teaching Social Studies in the Middle School	
EDML 573	Methods and Materials for Teaching English/ Language Arts in the Middle Grades	
EDML 583	Methods and Materials for Teaching Mathematics in the Middle Grades	
Clinical Experience		
EDML 598	Internship A in the Middle School	3
EDML 599	Internship B in the Middle School	12
EDML 584	Middle School Internship Seminar	3
Total Credit Hours		49

Concentrations (36-41 hours)

Must be in addition to courses taken to meet Carolina Core requirements.

Specialization is required in two different content areas, chosen from:

- English
- Mathematics
- Science
- Social Studies

Students pursuing a B.A. degree cannot choose the Math/Science combination.

Specialization A (18-23 hours)

To be completed with courses listed below and approved by College of Education advisor in English, mathematics, science, or social studies.

Specialization B (18-23 hours)

To be completed with courses listed below and approved by College of Education advisor in English, mathematics, science, or social studies and different from Specialization A.

English Specialization (18 hours)

Course	Title	Credits
EDML 572	Middle Level Literacy Assessment	3
ENGL 431A	Children's Literature	3
or ENGL 431B	Picture Books	
or ENGL 432	Young Adult Literature	
ENGL 428A	African-American Literature I: to 1903	3
or ENGL 428B	African-American Literature II: 1903 – Present	
ENGL 360	Creative Writing	3
or ENGL 460	Advanced Writing	
or ENGL 461	The Teaching of Writing	
ENGL 450	English Grammar	3
or ENGL 389	The English Language	
Select one literature course from the following:		3
ENGL 380	Epic to Romance	
ENGL 383	Romanticism	
ENGL 384	Realism	
ENGL 385	Modernism	
ENGL 386	Postmodernism	
ENGL 400	Early English Literature	
ENGL 401	Chaucer	
ENGL 402	Tudor Literature	
ENGL 403	The 17th Century	
ENGL 404	English Drama to 1660	
ENGL 405	Shakespeare's Tragedies	
ENGL 406	Shakespeare's Comedies and Histories	
ENGL 407	Milton	
ENGL 410	The Restoration and 18th Century	
ENGL 411	British Romantic Literature	
ENGL 412	Victorian Literature	
ENGL 413	Modern English Literature	
ENGL 414	English Drama Since 1660	
ENGL 415	The English Novel I	
ENGL 416	The English Novel II	
ENGL 419	Topics in English Literature	
ENGL 420	American Literature to 1830	
ENGL 421	American Literature 1830-1860	
ENGL 422	American Literature 1860-1910	
ENGL 423	Modern American Literature	
ENGL 424	American Drama	
ENGL 427	Southern Literature	
ENGL 425A	The American Novel to 1914	
ENGL 425B	The American Novel Since 1914	
ENGL 426	American Poetry	
ENGL 429	Topics in American Literature	

ENGL 435	The Short Story
ENGL 436	Science Fiction Literature
ENGL 437	Women Writers
ENGL 438A	South Carolina Writers
ENGL 438B	Scottish Literature
ENGL 438C	Irish Literature
ENGL 438D	African Literature
ENGL 438E	Caribbean Literature
ENGL 439	Selected Topics

Total Credit Hours 18

Social Studies Specialization (18 hours)

Course	Title	Credits
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	3
HIST 111	United States History to 1865	3
or HIST 112	United States History since 1865	
GEOG 561	Contemporary Issues in Geography Education	3
Select one of the following:		3
HIST 409	The History of South Carolina, 1670-1865	
HIST 410	History of South Carolina Since 1865	
HIST 442	The Old South	
SOST 301	Introduction to Southern Studies 1580-1900	
or SOST 302	Introduction to Southern Studies: The Twentieth Century	
Select one of the following:		3
Additional 300-level HIST		
ANTH 219	Great Discoveries in Archaeology	
ANTH 327	Prehistoric Civilizations of the New World	
ANTH 331	Mesoamerican Prehistory	
ANTH 328	Ancient Civilizations	
ECON 224	Introduction to Economics	

Total Credit Hours 18

Mathematics Specialization (18-20 hours)

Course	Title	Credits
MATH 603	Inquiry Approach to Algebra	3
or MATH 142	Calculus II	
MATH 602	An Inductive Approach to Geometry	3
or MATH 531	Foundations of Geometry	
STAT 201	Elementary Statistics	3
MATH 401	Conceptual History of Mathematics	3
or MATH 241	Vector Calculus	
Select two additional courses from the following OR three courses if STAT 201 was used to fulfill the Carolina Core ARP requirement:		6
MATH 141	Calculus I (if not used for Carolina Core requirement)	
MATH 142	Calculus II (if not used above)	
MATH 241	Vector Calculus (if not used above)	
MATH 170	Finite Mathematics	
or MATH 174	Discrete Mathematics for Computer Science	
MATH 511	Probability	
MATH 544	Linear Algebra	

MATH 546	Algebraic Structures I
MATH 574	Discrete Mathematics I
MATH 580	Elementary Number Theory
STAT 506	Introduction to Experimental Design
STAT 515	Statistical Methods I
STAT 516	Statistical Methods II ¹

Total Credit Hours 18

¹ If STAT 506 was not taken.

Science Specialization (18-23 hours)

Select two courses from each of the following sciences:

Course	Title	Credits
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Life Science

Select two of the following: 6-7

BIOL 110	General Biology
BIOL 206	Genetics and Society
BIOL 243	Human Anatomy and Physiology I
BIOL 270	Introduction to Environmental Biology (cannot be used if GEOL 103 used to fulfill Carolina Core) ¹
SMED 587	Interdependence of Living Systems

Physical Science

Select two of the following: 6-8

PHYS 201 & 201L	General Physics I and General Physics Laboratory I
PHYS 202 & 202L	General Physics II and General Physics Laboratory II
PHYS 153 & 153L	Physics in the Visual Arts and Physics in the Visual Arts Laboratory
PHYS 155	Musical Acoustics
CHEM 102	Fundamental Chemistry II (if not used for Carolina Core requirement)
CHEM 105	Chemistry and Modern Society I (if not used for Carolina Core requirement)
CHEM 111	General Chemistry I (if not used for Carolina Core requirement)
SMED 586	Energy, Motion, and Matter

Earth Science

Select two of the following: 6-8

GEOG 201	Landform Geography
GEOG 202	Weather and Climate
GEOL 101	Introduction to the Earth
GEOL 103	Environment of the Earth
GEOL 110	Cultural Geology
GEOL 205	Earth Resources ¹
GEOL 215	Coastal Environments of the Southeastern U.S.
GEOL 302	Rocks and Minerals
MSCI 210	Oceans and Society
SMED 588	Origin and Evolution of Living and Non-Living Systems

Total Credit Hours 18-23

¹ Cannot be used if GEOL 103 used to fulfill Carolina Core.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Middle Level Education, B.A. Mathematics & English Concentration

Middle Level Education, B.A. Mathematics & Social Studies Concentration

Middle Level Education, B.A. Science & English Concentration

Middle Level Education, B.A. Science & Social Studies Concentration

Middle Level Education, B.A. Social Studies & English Concentration

Middle Level Education, B.S.

Learning Outcomes

Students who graduate with a B.S. in Middle Level Education should be able to ...

- understand the major concepts, principles, theories, and research related to young adolescent development, and they provide opportunities that support student development and learning.
- understand the major concepts, principles, theories, and research underlying the philosophical foundations of developmentally responsive middle level programs and schools, and they work successfully within these organizational components.
- understand the major concepts, principles, theories, standards, and research related to middle level curriculum and assessment, and they use this knowledge in their practice.
- understand and use the central concepts, tools of inquiry, standards, and structures of content in their chosen teaching fields, and they create meaningful learning experiences that develop all young adolescents' competence in subject matter and skills.
- understand and use the major concepts, principles, theories, and research related to effective instruction and assessment, and they employ a variety of strategies for a developmentally appropriate climate to meet the varying abilities and learning styles of all young adolescents.
- understand the major concepts, principles, theories, and research related to working collaboratively with family and community members, and they use that knowledge to maximize the learning of all young adolescents.
- understand the complexity of teaching young adolescents, and they engage in practices and behaviors that develop their competence as professionals.

Admissions

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e. student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Degree Requirements (122-124 hours)

See College of Education (p. 320) for certification requirements and other academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	0
3. Program Requirements	3-6
4. Major Requirements	85-92

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW course (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- MATH 122 or MATH 141
- STAT 201

SCI – Scientific Literacy (7 hours)

- any two CC-SCI courses (p. 741) (one must include a lab)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

To meet the GFL requirement, students in the BS in Middle Level Education complete the Carolina Core approved courses in Foreign

Language (GFL) or by achieving a score of 2 or better on a USC foreign language placement test.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (3-6 hours)

Supporting Courses (3 hours)

- Select an additional Carolina Core-approved SCI course

Minor (18 hours) *optional*

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

Electives (0-3 hours)

The number of elective hours required depends upon the number of hours used to fulfill other degree requirements. Minimum degree requirements must equal 122 hours.

4. Major Requirements (85-92 hours)

A minimum grade of C is required in all major requirements, including all major and concentration courses.

Major Courses (49 hours)

A minimum grade of C is required in all major courses.

Course	Title	Credits
Education Core		
EDTE 201	Issues and Trends in Teaching and Learning	3
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
Middle Level Core		
EDML 321	Middle Level Teaching and Management	3
EDTE 522	Integrated Curriculum at the Middle Level	3
EDML 470	Foundations in Reading	3
EDML 471	Middle Level Content Area Reading and Writing	3
EDEX 491	Introduction to Inclusion of Students with Mild Disabilities	2
EDRM 423	Introduction to Classroom Assessment	2
Select two middle grades content-specific methods courses (500-level) from the following 4 courses:		6
EDML 553	Methods and Materials for Teaching Science in the Middle Grades	
EDML 563	Methods and Materials for Teaching Social Studies in the Middle School	
EDML 573	Methods and Materials for Teaching English/Language Arts in the Middle Grades	
EDML 583	Methods and Materials for Teaching Mathematics in the Middle Grades	
Clinical Experience		
EDML 598	Internship A in the Middle School	3
EDML 599	Internship B in the Middle School	12
EDML 584	Middle School Internship Seminar	3
Total Credit Hours		49

Concentrations (36-41 hours)

Must be in addition to courses taken to meet Carolina Core requirements.

Specialization is required in two different content areas, chosen from:

- English
- Mathematics
- Science
- Social Studies

Students pursuing a B.S. degree cannot choose the English/Social Studies combination.

Specialization A (18-23 hours)

To be completed with courses listed below and approved by College of Education advisor in English, mathematics, science, or social studies.

Specialization B (18-23 hours)

To be completed with courses listed below and approved by College of Education advisor in English, mathematics, science, or social studies and different from Specialization A.

English Specialization (18 hours)

Course	Title	Credits
EDML 572	Middle Level Literacy Assessment	3
ENGL 431A	Children's Literature	3
or ENGL 431B	Picture Books	
or ENGL 432	Young Adult Literature	
ENGL 428A	African-American Literature I: to 1903	3
or ENGL 428B	African-American Literature II: 1903 – Present	
ENGL 360	Creative Writing	3
or ENGL 460	Advanced Writing	
or ENGL 461	The Teaching of Writing	
ENGL 450	English Grammar	3
or ENGL 389	The English Language	
Select one of the following:		3
ENGL 380	Epic to Romance	
ENGL 383	Romanticism	
ENGL 384	Realism	
ENGL 385	Modernism	
ENGL 386	Postmodernism	
ENGL 400	Early English Literature	
ENGL 401	Chaucer	
ENGL 402	Tudor Literature	
ENGL 403	The 17th Century	
ENGL 404	English Drama to 1660	
ENGL 405	Shakespeare's Tragedies	
ENGL 406	Shakespeare's Comedies and Histories	
ENGL 407	Milton	
ENGL 410	The Restoration and 18th Century	
ENGL 411	British Romantic Literature	
ENGL 412	Victorian Literature	
ENGL 413	Modern English Literature	
ENGL 414	English Drama Since 1660	
ENGL 415	The English Novel I	
ENGL 416	The English Novel II	
ENGL 419	Topics in English Literature	
ENGL 420	American Literature to 1830	
ENGL 421	American Literature 1830-1860	
ENGL 422	American Literature 1860-1910	
ENGL 423	Modern American Literature	
ENGL 424	American Drama	
ENGL 427	Southern Literature	
ENGL 425A	The American Novel to 1914	
ENGL 425B	The American Novel Since 1914	
ENGL 426	American Poetry	
ENGL 429	Topics in American Literature	
ENGL 435	The Short Story	
ENGL 436	Science Fiction Literature	
ENGL 437	Women Writers	
ENGL 438A	South Carolina Writers	
ENGL 438B	Scottish Literature	
ENGL 438C	Irish Literature	
ENGL 438D	African Literature	

ENGL 438E	Caribbean Literature
ENGL 439	Selected Topics

Total Credit Hours 18

Social Studies Specialization (18 hours)

Course	Title	Credits
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	3
HIST 111	United States History to 1865	3
or HIST 112	United States History since 1865	
GEOG 561	Contemporary Issues in Geography Education	3
Select one of the following:		3
HIST 409	The History of South Carolina, 1670-1865	
HIST 410	History of South Carolina Since 1865	
HIST 442	The Old South	
SOST 301	Introduction to Southern Studies 1580-1900	
or SOST 302	Introduction to Southern Studies: The Twentieth Century	
Select one of the following:		3
Additional 300-level HIST		
ANTH 219	Great Discoveries in Archaeology	
ANTH 327	Prehistoric Civilizations of the New World	
ANTH 331	Mesoamerican Prehistory	
ANTH 328	Ancient Civilizations	
ECON 224	Introduction to Economics	

Total Credit Hours 18

Mathematics Specialization (18-20 hours)

Course	Title	Credits
MATH 603	Inquiry Approach to Algebra	3
or MATH 142	Calculus II	
MATH 602	An Inductive Approach to Geometry	3
or MATH 531	Foundations of Geometry	
MATH 401	Conceptual History of Mathematics	3
or MATH 241	Vector Calculus	
Select three additional courses from the following:		9
MATH 141	Calculus I (if not used for Carolina Core requirement)	
MATH 142	Calculus II (if not used above)	
MATH 241	Vector Calculus (if not used above)	
MATH 170	Finite Mathematics	
or MATH 174	Discrete Mathematics for Computer Science	
MATH 511	Probability	
MATH 544	Linear Algebra	
MATH 546	Algebraic Structures I	
MATH 574	Discrete Mathematics I	
MATH 580	Elementary Number Theory	
STAT 506	Introduction to Experimental Design	
STAT 515	Statistical Methods I	
STAT 516	Statistical Methods II ¹	

Total Credit Hours 18

¹ If STAT 506 was not taken.

Science Specialization (18-23 hours)

Select two courses from each of the following sciences:

Course	Title	Credits
Life Science		
Select 6-7 hours of the following:		6-7
BIOL 110	General Biology	
BIOL 206	Genetics and Society	
BIOL 243	Human Anatomy and Physiology I	
BIOL 270	Introduction to Environmental Biology (cannot be used if GEOL 103 used to fulfill Carolina Core) ¹	
SMED 587	Interdependence of Living Systems	
Physical Science		
Select 6-8 hours of the following:		6-8
PHYS 201 & 201L	General Physics I and General Physics Laboratory I	
PHYS 202 & 202L	General Physics II and General Physics Laboratory II	
PHYS 153 & 153L	Physics in the Visual Arts and Physics in the Visual Arts Laboratory	
PHYS 155	Musical Acoustics	
CHEM 102	Fundamental Chemistry II (if not used for Carolina Core requirement)	
CHEM 105	Chemistry and Modern Society I (if not used for Carolina Core requirement)	
CHEM 111	General Chemistry I (if not used for Carolina Core requirement)	
SMED 586	Energy, Motion, and Matter	
Earth Science		
Select 6-8 hours of the following:		6-7
GEOG 201	Landform Geography	
GEOG 202	Weather and Climate	
GEOL 101	Introduction to the Earth	
GEOL 103	Environment of the Earth	
GEOL 110	Cultural Geology	
GEOL 205	Earth Resources (cannot be used if GEOL 103 used to fulfill Carolina Core)	
GEOL 215	Coastal Environments of the Southeastern U.S.	
GEOL 302	Rocks and Minerals	
MSCI 210	Oceans and Society	
SMED 588	Origin and Evolution of Living and Non-Living Systems	

Total Credit Hours 18-22

¹ Cannot be used if GEOL 103 used to fulfill Carolina Core.

Major Map

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Middle Level Education, B.S. Mathematics & English Concentration

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Middle Level Education, B.S. Mathematics & Social Studies Concentration

Middle Level Education, B.S. Science & English Concentration

Middle Level Education, B.S. Science & Social Studies Concentration

Secondary Education Mathematics Minor

The Secondary Education Mathematics Minor is designed to prepare students in quantitatively oriented majors (outside of Mathematics) for the 'fifth-year' Secondary Education Master of Teaching (M.T.) program. Completion of the Minor does not guarantee admission into the M.T. program. Contact the Office of Student Affairs in the College of Education for information on the M.T., its admission requirements, and possible additional course work requirements for some majors.

Prerequisites Courses

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 241	Vector Calculus	3
MATH 300	Transition to Advanced Mathematics	3
Total Credit Hours		14

Required Courses

Course	Title	Credits
Required Courses		
EDFI 300	Schools in Communities	3
EDPY 401	Learners and the Diversity of Learning	3
EDSE 500	Equity and Community Engagement	3
EDSE 502	Teachers and Teaching	3
MATH 544	Linear Algebra	3
Additional Course		
Select one of the following:		3
MATH 531	Foundations of Geometry	
MATH 546	Algebraic Structures I	
MATH 554	Analysis I ¹	
Total Credit Hours		18

¹ MATH 554 has an additional pre-requisite beyond the required courses for the minor.

Physical Education

Department Website (https://www.sc.edu/study/colleges_schools/education/)

Linda Nigles, *Chair*

The Department of Physical Education offers a B.S. degree in physical education and a minor in school athletic coaching.

Admission to Professional Programs

Students must be formally admitted to the professional programs in teacher certification. Specific requirements are listed below.

Teacher Certification

The teacher certification program is an CAEP-approved program that prepares people to teach physical education and coach in public and private schools from grades K to 12. The requirements for acceptance into the professional program in teacher certification include a minimum 2.75 overall GPA, a passing score on the South Carolina required basic skills assessment, a passing score on the Educational and Economic Development Act (EEDA) assessment, a minimum of 60 credit hours, and a C or better in EDFI 300, EDPY 401, PEDU 570, ENGL 101, and ENGL 102. For a complete listing and description of all program requirements, please refer to the USC Department of Physical Education Student Handbook.

Transfer admission into degree programs in the Department of Physical Education

Physical Education Teacher Certification

1. Students from regionally accredited colleges and universities must have a minimum overall cumulative GPA of 2.50 (on a 4.00 scale) to enter preprofessional programs in physical education. Note: To be eligible to take upper level Physical Education coursework and for progression into the Professional Program in Education, students must achieve a minimum 2.75 overall GPA.
2. A grade of C or better must be earned on all courses listed for admission to the professional program in physical education.
3. Students may not transfer credit for any course which carries a grade less than C.

Progression Requirements

A student in physical education must earn a C or better in all major course work, including major and minor emphases, education courses, required sciences, analytical reasoning option, and ENGL 101 and ENGL 102.

Students may attempt to earn a satisfactory grade in a major course no more than two times. Only if a valid case for taking the course a third time is established will such be allowed. Validity of a case will be determined by departmental review of a formal petition. Completion of remedial course work may be required.

Standards for general eligibility to continue in the University are described in the bulletin. The Department of Physical Education has additional standards.

Teacher Certification in Physical Education

1. If the semester, yearly, or cumulative grade point average of a student is below 2.75, the student will receive notification in writing from the department of the GPA jeopardy.
2. If a student has two consecutive semesters of grade point averages below 2.75 and a cumulative grade point average below 2.75,

the student will be suspended from academic programs in the Department of Physical Education.

- To be reinstated the student must achieve an overall grade point average of 2.75 and have the endorsement of the Department of Physical Education.

Programs

- Physical Education (Athletic Coaching) Minor (p. 350)
- Physical Education, B.S.P.E. (p. 350)

Courses

PEDU 100 - Contemporary Physical Activity (1 Credit)

Development of skills in an identified area. Course content will vary and be announced by title. May be repeated as topics vary.

PEDU 101 - Self-Defense For Women (1 Credit)

Basic knowledge and understanding of the culture and context in which interpersonal violence occurs, the root causes and patterns of behavior within violent relationships, self defense against forcible attacks, making immediate decisions when confronted with an assault, and the procedures necessary after an assault has occurred.

PEDU 102 - Contemporary Physical Activity (1-3 Credits)

Course contact will vary and be announced by title. May be repeated as topics vary.

PEDU 103 - Jogging (1 Credit)

Exercise, lectures, and self-evaluation for weight control and fitness improvement.

PEDU 104 - Personal Fitness and Weight Control (1 Credit)

Advanced techniques for controlling weight and improving fitness through exercise, lectures, and self-evaluation.

PEDU 105 - Weight Training (1 Credit)

Fundamentals of progressive resistance exercise training.

PEDU 106 - Advanced Weight Training (1 Credit)

Advanced techniques.

Prerequisites: PEDU 105.

PEDU 107 - Group Exercise (1 Credit)

Cardio-respiratory fitness, flexibility, muscular strength and endurance, and agility through various group exercise formats while utilizing a variety of equipment.

PEDU 108 - Fitness Swimming (1 Credit)

Individualized physical conditioning through lap swimming and aquatic calisthenics, games, and activities.

Prerequisites: PEDU 140.

PEDU 109 - ROTC Conditioning (1 Credit)

Exercise testing, technique, and leadership, program design and implementation, nutrition, individual and team competitions, and other forms of training.

PEDU 110 - Orientation to Physical Education (1 Credit)

Experiences in a variety of physical-activity areas.

PEDU 111 - Badminton (1 Credit)

Basic strokes and introduction to the history, rules, and strategy of the game.

PEDU 112 - Basketball (1 Credit)

Fundamental skills of game performance. Strategy, rules, and basic offenses and defenses.

PEDU 113 - Bowling (1 Credit)

Fundamental skills and techniques of bowling.

PEDU 114 - Golf (1 Credit)

Basic strokes, rules, and strategy of golf.

PEDU 115 - Gymnastics (1 Credit)

Fundamentals of gymnastics on the trampoline and balance beam; tumbling, parallel bars, rings, and the horse.

PEDU 116 - Handball (1 Credit)

Fundamentals, strategy, and rules of handball.

PEDU 117 - Karate (1 Credit)

Fundamentals.

PEDU 118 - Rugby (1 Credit)

Fundamental skills for game performance.

PEDU 119 - Soccer (1 Credit)

Fundamental skills for game performance; history, rules, and game strategy.

PEDU 120 - Softball (1 Credit)

Fundamental skills for game performance; history, rules, and game strategy.

PEDU 121 - Beginning Tennis (1 Credit)

Basic strokes, history, rules, and strategy of the game.

PEDU 122 - Volleyball (1 Credit)

Recreational and competitive volleyball skills.

PEDU 123 - Pilates (1 Credit)

Focus is placed on mind-body exercises which help strengthen and condition the muscles. Each exercise will focus on building core strength, lengthening muscles, and improving flexibility. Proper breathing will also be demonstrated for each exercise in order to achieve the maximum benefits.

PEDU 124 - Fencing (1 Credit)

Basic foil-fencing techniques, rules, terminology, history, and etiquette.

PEDU 125 - Intermediate Karate (1 Credit)

Prerequisite: PEDU 117.

PEDU 126 - Badminton/Golf (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 127 - Field Hockey (1 Credit)

Fundamental skills, rules, and terminology of field hockey.

PEDU 128 - Football (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 129 - Racquetball (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 130 - Intermediate Golf (1 Credit)

Intermediate strokes and strategies; heavier emphasis on the total golf swing.

Prerequisites: PEDU 114.

PEDU 131 - Basketball/Soccer (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 132 - Intermediate Tennis (1 Credit)

Intermediate skills and strategies.

Prerequisites: PEDU 121.

PEDU 133 - Track and Field (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 134 - Flying Disc Sports (1 Credit)

Fundamentals and strategies of disc golf, ultimate and various physical activities using flying discs in recreational and competitive situations.

PEDU 135 - Tai-Chi-Chuan (1 Credit)

Students will learn to perform basic Tai-Chi-Chuan skills. Major consideration will be given to breathing skills and meditation to relieve stress.

PEDU 136 - Yoga (1 Credit)

Fundamental skills and terminology.

PEDU 137 - Tae Kwon Do (1 Credit)

Fundamental skills of Tae Kwon Do.

PEDU 138 - Softball/Volleyball (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 139 - Tennis/Track (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 140 - Beginning Swimming (1 Credit)

Skills for safety and recreation.

PEDU 141 - Intermediate Swimming (1 Credit)

Prerequisite: PEDU 140.

PEDU 142 - Lifeguard Training (1 Credit)

Skills of lifesaving.

Prerequisites: swim 500 yards, tread water for one minute, and swim 20 feet underwater.

PEDU 143 - Water Safety Instructor Certification (1 Credit)

Skills, methods, and techniques to teach Red Cross Swimming and Life Saving.

Prerequisites: 17 years of age; sound physical condition; possession of the Red Cross Advanced Lifesaving Certificate, a Red Cross Swimmer Certificate, or the ability to perform the Swimmer Course.

PEDU 144 - Beginning Springboard Diving (1 Credit)

Basic dives and aesthetics of springboard diving.

Prerequisites: tread water and swim 20 feet underwater.

PEDU 145 - Skin and Scuba Diving (1 Credit)

Safe and effective use of equipment with emphasis on principles and physical laws of diving.

Prerequisites: ability to swim at the intermediate level.

PEDU 146 - Scuba (Open Water) (1 Credit)

Certification program in open water scuba instruction: safety, emergency procedures, equipment handling, navigation, and air consumption. Includes five open water dives.

PEDU 147 - Beginning Stand-Up Paddleboarding (1 Credit)

History and development of stand-up paddleboarding as a sport, safety protocol, paddleboard construction and design, terminology, fitness attributes and paddling techniques.

PEDU 148 - Team Water Sports (1 Credit)

Fundamental skills, rules, and strategies for participation in team water sports.

Prerequisites: intermediate swimming skills.

PEDU 149 - Survival Swimming (1 Credit)

Skills and techniques for survival under adverse conditions.

Prerequisites: swim 100 yards, tread water for one minute, and swim 20 feet underwater.

PEDU 150 - Basic Keelboat Sailing (1 Credit)

The course is designed to teach students to safely skipper and crew on a 20 to 27 foot sailboat with a tiller and outboard engine on lakes, bays, and sheltered waters in moderate weather conditions. Theory, history, safety, and teamwork will be emphasized.

PEDU 151 - Beginning Skateboarding (1 Credit)

History, rules, etiquette and techniques of skateboarding.

PEDU 152 - Power Yoga (1 Credit)

Vigorous yoga utilizing breath and movement to improve strength and flexibility.

PEDU 153 - Cardiopulmonary Resuscitation (1 Credit)

Knowledge and skills in providing artificial respiration, first aid for foreign body obstruction, one and two rescuer CPR for adults, infants, and children.

PEDU 154 - Advanced Open Water Scuba (1 Credit)

Development skills beyond open water diving: underwater navigation, night diving, and deep diving.

Prerequisites: PEDU 146.

PEDU 155 - Personal Training Preparation (3 Credits)

Safe and effective methods of exercise by the application of theories and principles of exercise science. Discussion of facility organization, legal liability, and injury prevention and treatment within the scope of becoming a fitness professional.

PEDU 156 - Gateway to Yoga (3 Credits)

Yoga philosophy, history, and asanas. Eight Limbs of Yoga, styles, history, brain and physical anatomy and their relation to yoga practice. Sanskrit terminology and how they apply to yoga, the yogic diet and its effect on the brain and body.

PEDU 160 - Intermediate Yoga (1 Credit)

This course is designed to provide the historical and philosophical context of Mindfulness and how it relates to classical yoga of Pantanjali. Students will be guided in deepening their mindfulness meditation practice that includes analysis of the Four Establishments of Mindfulness and will develop an advanced asana sequence as part of their practice.

Prerequisites: PEDU 136.

PEDU 161 - Intermediate Fencing (1 Credit)

Basic footwork and bladework for foil and épée along with more complex skills, concepts, terminology, strategy, and understanding of the rules.

PEDU 168 - Zumba Fitness (1 Credit)

Principles of fitness interval training and resistance training applied to maximize caloric output, fat burning and total body toning with a fusion of Latin and International music-dance themes.

PEDU 169 - Geocaching (1 Credit)

History, rules, terminology, and strategy of geocaching. Strategies for seeking as well as creating geocaches.

PEDU 170 - Beginning Latin Dance (1 Credit)

Introductory course to multiple styles of social Latin dancing including Salsa, Merengue and Bachatta. Designed to develop the skills and techniques necessary for social level Latin dancing. Emphasis will be placed on basic social elements of dance, patterns, music, and leading and following.

PEDU 171 - Swing Dance (1 Credit)

Introduction to swing dances originating from the first half of the 20th century such as the Charleston, East Coast Swing, Lindy Hop, Jitterbug, Jive, and The Big Apple.

PEDU 172 - Rock Climbing and Bouldering (1 Credit)

Safe climbing and bouldering techniques. Movement on rock, rope systems, anchors, rappelling, belaying, risk management, spotting and lead climbing philosophy. Save use of equipment required for sport climbing and bouldering.

PEDU 173 - Folk and Square Dance (1 Credit)

Fundamental skills and terminology.

PEDU 174 - Social Dance (1 Credit)

Fundamental skills and terminology.

PEDU 175 - Intermediate Social Dance (1 Credit)

Development of skills to an intermediate level in six dances: fox trot, waltz, tango, swing, cha cha, rumba.

Prerequisites: PEDU 174.

PEDU 176 - Clogging (1 Credit)

History, folklore, and skills; individual steps and team routines.

PEDU 177 - Beginning Shag (1 Credit)

Techniques and history of the Shag, South Carolina's state dance. Chronicled development, style variations, and cultural contributions are emphasized.

PEDU 178 - Intermediate Shag Dance (1 Credit)

Introduction to more challenging shag moves for couples, based on steps, turns, spins, and passes. Emphasis on good shag form and rhythm, male lead, female follow, and tight couple positions going through step variations. Steps include Sugarfoot, Boogie Walk, Stagger, Walkup and others.

Prerequisites: PEDU 177.

PEDU 179 - Beginning Belly Dance (1 Credit)

Techniques, history, terminology, and dance combinations/choreography associated with Belly Dance at the fundamental level.

PEDU 180 - Archery (1 Credit)

Fundamentals of target and field archery shooting, history, scoring, and rules.

PEDU 181 - Equestrian (1 Credit)

English hunter-style riding for intermediate students.

PEDU 182 - Backpacking (1 Credit)

Living in the out-of-doors; gear selection, map and compass reading, backpacking, hiking, and camping.

PEDU 183 - Canoeing (1 Credit)

Fundamentals of lake, river, and whitewater canoeing.

PEDU 184 - Snow Skiing (1 Credit)

Fundamental skills and techniques.

PEDU 185 - Beginning Kayaking (1 Credit)

Fundamentals of whitewater kayaking including equipment selection and use, safety techniques, strokes, Eskimo roll, river strategies, rescue procedures, and trip planning.

PEDU 186 - Bicycle Touring (1 Credit)

Fundamental skills and techniques.

PEDU 187 - Rock Climbing (1 Credit)

Fundamentals of rock and mountain climbing including gear selection and use, knots and rope management, anchoring systems, belaying, rappelling, climbing techniques, and safety considerations.

PEDU 188 - Triathlon Training (1 Credit)

Intensive conditioning and cross training to achieve a high level cardiovascular fitness. Biking, running, and swimming in preparation for triathlon event.

PEDU 189 - Spinning (1 Credit)

Spinning to obtain physiological and psychological benefits.

PEDU 190 - Introduction to the Description and Analysis of Human Movement (2 Credits)

Analysis and performance of fundamental motor skills.

PEDU 194 - Educational Gymnastics (1 Credit)

Development of knowledge and skill in educational gymnastics. Designed to establish a content base for elementary and middle school physical education programs.

PEDU 195 - Educational Games (1 Credit)

Development of knowledge and skill in game activities appropriate for the elementary and middle school physical education game setting.

PEDU 196 - Educational Dance (1 Credit)

Development of personal skills in the use of movement for expressive purposes. Designed to establish a content base for elementary school physical education programs.

PEDU 197 - Fit Carolina (1 Credit)

Basic concepts associated with physical activity and the opportunities in community environments to engage in health-promoting and wellness activities.

PEDU 226 - Physical Education for Primary Grades (3 Credits)

Selection and development of appropriate content for elementary school physical education experiences.

Prerequisites: PEDU 190.

PEDU 232 - Philosophy and Principles of Physical Education (3 Credits)

Historical background, current problems, and publications.

PEDU 266L - Athletic Training Lab (1 Credit)

Techniques and skills used in the prevention or protection of injury.

PEDU 275 - Functional Musculoskeletal Anatomy (3 Credits)

Knowledge and skill of orthopedic anatomy relative to muscle, ligament, and tendon origin, insertion, innervation, and action.

PEDU 300 - First Aid and CPR (3 Credits)

Knowledge and skills necessary to meet the guidelines for professional certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.

PEDU 301 - Practicum in Physical Education Field Experiences (1-3 Credits)

Supervised field experiences for physical educators. Contract approved by instructor, advisor, and department head is required for undergraduate students.

PEDU 302 - Foundations of Coaching (3 Credits)

The philosophical bases, leadership theory, administrative practice, and organizational problems of competitive athletics.

PEDU 303 - Scientific Bases of Coaching I (3 Credits)

Anatomical, kinesiological, and biomechanical principles affecting performance in competitive athletics; use of biomechanical analysis techniques. Primarily for non-physical education majors who wish to coach.

PEDU 304 - Scientific Bases of Coaching II (3 Credits)

Physiological, psychological, ethical, and sport medicine principles affecting performance in competitive athletics; application of scientific principles. Primarily for non-physical education majors who desire to coach.

Prerequisites: PEDU 303.

PEDU 310 - Emergency Medical Responder (3 Credits)

Knowledge and skills necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decision making about the care to provide in a medical emergency; skills an EMR needs to act as a crucial link in the emergency medical services (EMS) system.

PEDU 312 - Coaching Gymnastics, Volleyball, and Softball (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 313 - Coaching Basketball, Track and Field, and Soccer (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 314 - Coaching Football, Baseball, and Wrestling (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 320 - Practicum in Coaching (3 Credits)

Supervised practical experience in interscholastic coaching settings; concurrent seminar.

PEDU 340 - Practicum in the Instructional Aspects of Physical Education (1 Credit)

Application of instructional principles to small peer group settings using open and closed gross motor skills.

Corequisite: PEDU 360.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

PEDU 341 - Practicum in Instruction of Young Learners in Movement Settings (1 Credit)

Application of curriculum and instructional principles to small group instruction with young learners.

Prerequisites: PEDU 340 and PEDU 360, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 361.

PEDU 353 - Recreational Sports Programming (3 Credits)

Current program elements and techniques in recreational sports.

PEDU 360 - Instructional Aspects of Physical Education (3 Credits)

Instruction in physical education settings, including environmental arrangements, task presentation, content development, and feedback.

Prerequisites: PEDU 190, cumulative GPA of 2.50.

Corequisite: PEDU 340.

PEDU 361 - Instruction of Young Learners in Movement Settings (3 Credits)

Development of knowledge and skills to teach physical education to young learners.

Prerequisites: PEDU 340 and PEDU 360, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 341.

PEDU 398 - Seminar in Physical Education (1 Credit)

Various topics related to current events in physical education.

PEDU 399 - Independent Study (1-3 Credits)

Open to sophomores and above. Enrollment and topic to be approved in advance by advisor and instructor. Contract approved by instructor, advisor, and department head is required.

Graduation with Leadership Distinction: GLD: Research

PEDU 420 - Motor Learning in Physical Education (3 Credits)

Application of cognitive, sensory, and motor processes related to learning motor skills in physical education and sport settings.

PEDU 440 - Practicum in Secondary School Physical Education (1 Credit)

The application of curriculum and instructional principles to large group instruction in the secondary school.

Prerequisites: PEDU 341.

Corequisite: PEDU 462.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

PEDU 445 - Measurement & Evaluation in Physical Education (3 Credits)

The historic background of measurement in physical education; statistical techniques to be used in scoring and interpreting tests; evaluation of measures now available in the field; and the administration of a testing program. Available for undergraduate credit only.

Prerequisites: 15 credits in professional physical education, including PEDU 232 and 6 semester hours of professional skill courses.

PEDU 446 - Physical Education Curriculum (3 Credits)

The study of K-12 physical education school curriculum theory, issues, and design.

Prerequisites: Cumulative GPA of 2.75, Admission to Directed Teaching Semester.

PEDU 451 - Teaching Physical Education (3 Credits)

Analysis of teaching and learning in physical education.

Prerequisite or Corequisite: PEDU 462, PEDU 440.

PEDU 462 - Instruction in Secondary School Physical Education (3 Credits)

Physical education content and processes for the secondary school.

Prerequisites: PEDU 341 and PEDU 361, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 440.

PEDU 479 - Directed Teaching in Physical Education (12 Credits)

Prerequisite: Cumulative GPA of 2.75, Admission to Directed Teaching Semester.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

PEDU 498 - Advanced Seminar in Physical Education (1 Credit)

Advanced learning opportunities in professional physical education.

Prerequisites: 90 hrs. and permission of instructor.

Graduation with Leadership Distinction: GLD: Research

PEDU 510 - Teaching Health Related Physical Fitness (3 Credits)

Knowledge and application of processes and principles of health related physical fitness in physical education and sport settings.

Prerequisites: EXSC 223/EXSC 224 or BIOL 243/BIOL 244.

PEDU 515 - Physical Education for Inclusion (3 Credits)

Designing physical education programs for special populations and for students with special needs.

Prerequisites: PEDU 340, PEDU 360.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PEDU 520 - Observational Analysis of Sports Techniques and Tactics (3 Credits)

Qualitative and quantitative techniques to observe, describe, analyze, and evaluate human movement in physical education and sports settings.

Prerequisites: PEDU 190, EXSC 223, EXSC 224 or BIOL 243, BIOL 244; PHYS 101.

PEDU 553 - The Organization and Administration of Physical Education (3 Credits)

Organization of instructional, intramural, interscholastic, and recreational programs, with emphasis on criteria for the evaluation and selection of activities.

Prerequisites: 18 credits in physical education, including six semester hours of professional skill courses.

PEDU 555 - Current Topics in Physical Education (1-3 Credits)**PEDU 570 - Human Child/Adolescent Growth (3 Credits)**

Human physical growth and development of children with emphasis on years 4 to 18.

Prerequisites: EXSC 223, EXSC 224, or equivalent.

PEDU 575 - Physical Education for the Classroom Teacher (3 Credits)

Appropriate movement experiences for children. Not available for physical education majors.

Prerequisites: EDTE 201.

PEDU 577 - Dance Performance (3 Credits)

Rehearsal, choreographic analysis, and dance performance. All components of dance production—including music, costume, lighting, and scenery—will be considered.

Cross-listed course: DANC 577

PEDU 635 - South Carolina Physical Education Curriculum (3 Credits)

Development of physical education programs using the South Carolina Physical Education Curriculum Materials.

PEDU 637 - Advanced Theory and Techniques of Coaching Football (3 Credits)

An intensive investigation of current theories of offensive and defensive football. Generalship, strategy, conditioning, staff utilization, film analysis, and practice organization are covered in depth.

Prerequisites: current responsibilities or previous experience in college or high school coaching.

PEDU 638 - Advanced Theory and Techniques of Coaching Basketball (3 Credits)

An intensive investigation of the latest techniques and theories of coaching basketball. Systems of offense and defense, generalship, conditioning, staff utilization, film analysis, and practice organization are covered in depth.

Prerequisites: current responsibilities or previous experience in college or high school coaching.

PEDU 639 - Advanced Theory and Techniques of Coaching Track and Field Events (3 Credits)

A thorough study of the latest techniques of coaching track and field events. Isometric, isotonic, and interval conditioning theories involving the cardiovascular and muscular systems are examined to acquaint the student with varying physiological approaches to conditioning.

Prerequisites: current responsibilities or previous experience in college or high-school coaching.

PEDU 640 - Advanced Theory and Techniques of Teaching and Officiating Girls' Gymnastics (3 Credits)

A thorough study of the latest techniques of teaching and officiating girls' gymnastics. Balance beam, vaulting, uneven bars, tumbling, dance skills and routines, and officiating methods.

PEDU 650 - The Art and Science of Coaching (3 Credits)

Coaching principles and application to sport programs across a variety of developmental levels.

PEDU 660 - Counseling Student Athletes (3 Credits)

Issues facing student athletes regarding their personal and career development beyond athletics.

Cross-listed course: EDCE 650

Physical Education (Athletic Coaching) Minor

Minor Requirements (18 Hours)

Core Courses

Course	Title	Credits
PEDU 155	Personal Training Preparation	3
PEDU 190	Introduction to the Description and Analysis of Human Movement	2
PEDU 300	First Aid and CPR	3
PEDU 340	Practicum in the Instructional Aspects of Physical Education	1
PEDU 360	Instructional Aspects of Physical Education	3
PEDU 420	Motor Learning in Physical Education	3
PEDU 650	The Art and Science of Coaching	3
Total Credit Hours		18

Physical Education, B.S.P.E.

Learning Outcomes

- Students who graduate with a B.S.P.E. in Physical Education should be able to ...
- understand physical education content and disciplinary concepts related to the development of a physically educated person.

- understand how individuals learn and develop and can provide opportunities that support their physical, cognitive, social, and emotional development.
- understand how individuals differ in their approaches to learning, and create appropriate instruction adapted to these differences.
- use an understanding of individual and group motivation and behavior to create a safe learning environment that encourages positive social interaction, active engagement in learning, and self motivation.
- use knowledge of effective verbal, nonverbal, and media communication techniques to enhance learning and engagement in physical activity settings.
- plan and implement a variety of developmentally appropriate instructional strategies to develop physically educated individuals, based on state and national (NASPE K-12) standards.
- understand and use assessment to foster physical, cognitive, social, and emotional development of students in physical activity.
- evaluate the effects of their actions on others (e.g., students, parents/guardians, fellow professionals), and seek opportunities to grow professionally.
- use information technology to enhance learning and to enhance personal and professional productivity.
- foster relationships with colleagues, parents/guardians, and community agencies to support students' growth and well being.

Admissions

Admission to the Professional Program

All University teacher education students must apply and be admitted to Professional Program/Internship at mid-point(s) in their programs prior to final internship (i.e. student teaching). Requirements for admission vary by program, but for undergraduate students include 60 credit hours with a minimum overall GPA of 2.75, successful completion of a state-approved basic skills examination, and courses as specified by program area.

Students should contact their program area or the College of Education Office of Student Affairs for specific requirements and application deadlines.

Degree Requirements (124 hours)

See College of Education (p. 320) for certification requirements and other academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	0
3. Program Requirements	11
4. Major Requirements	81

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina

Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW courses (p. 741)

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- Select one of the following options (4 hours):
 - BIOL 101 & BIOL 101L
 - BIOL 110
 - BIOL 120 & BIOL 120L
- Select one of the following options (4 hours):
 - PHYS 101 & PHYS 101L (not CC-SCI-approved)
 - PHYS 201 & PHYS 201L
 - CHEM 102
 - CHEM 111 & CHEM 111L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

The Carolina Core requires either two approved courses in one foreign language or a score of two or higher on the foreign language placement test.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (11 hours)

Supporting Courses (11 hours)

Course	Title	Credits
SOCY 101	Introductory Sociology	3
Select one of the following: ¹		4
EXSC 223 & 223L	Anatomy and Physiology I and Anatomy and Physiology I Laboratory	
BIOL 243 & 243L	Human Anatomy and Physiology I and Human Anatomy and Physiology Laboratory ²	
Select one of the following: ¹		4
EXSC 224 & 224L	Anatomy and Physiology II and Anatomy and Physiology II Lab	
BIOL 244 & 244L	Human Anatomy and Physiology II and Human Anatomy and Physiology Laboratory	
Total Credit Hours		11

¹ Must be passed with a grade of C or higher.

² Required if PHYS 101 and PHYS 101L were taken to fulfill CC-SCI requirement.

Minor (0-18 hours) optional

A student may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better.

4. Major Requirements (81 hours)

A minimum grade of C is required in all major courses.

Major Courses (33 hours)

Course	Title	Credits
Core Requirements for Physical Education		
Select one of the following:		3
HPEB 321	Personal and Community Health	
HPEB 511	Health Problems in a Changing Society	
EXSC 191	Physical Activity and Health	
PEDU 190	Introduction to the Description and Analysis of Human Movement	2
PEDU 232	Philosophy and Principles of Physical Education	3

PEDU 300	First Aid and CPR	3
PEDU 420	Motor Learning in Physical Education	3
PEDU 510	Teaching Health Related Physical Fitness	3
PEDU 520	Observational Analysis of Sports Techniques and Tactics	3
PEDU 650	The Art and Science of Coaching	3
Psychomotor Skills Courses		
PEDU 105	Weight Training	1
PEDU 126	Badminton/Golf	1
PEDU 131	Basketball/Soccer	1
PEDU 138	Softball/Volleyball	1
PEDU 139	Tennis/Track	1
PEDU 173	Folk and Square Dance	1
PEDU 194	Educational Gymnastics	1
PEDU 195	Educational Games	1
PEDU 196	Educational Dance	1
Elective as approved by advisor		1
Total Credit Hours		33

Teacher Certification Concentration (48 hours)

Course	Title	Credits
EDRD 500	Content Area Literacy PK-12	3
EDPY 401	Learners and the Diversity of Learning	3
EXSC 303	Perceptual-Motor Development	3
or PEDU 570	Human Child/Adolescent Growth	
PEDU 226	Physical Education for Primary Grades	3
PEDU 340	Practicum in the Instructional Aspects of Physical Education	1
PEDU 341	Practicum in Instruction of Young Learners in Movement Settings	1
PEDU 360	Instructional Aspects of Physical Education	3
PEDU 361	Instruction of Young Learners in Movement Settings	3
PEDU 440	Practicum in Secondary School Physical Education	1
PEDU 445	Measurement & Evaluation in Physical Education	3
PEDU 446	Physical Education Curriculum	3
PEDU 451	Teaching Physical Education	3
PEDU 462	Instruction in Secondary School Physical Education	3
PEDU 479	Directed Teaching in Physical Education	12
PEDU 515	Physical Education for Inclusion	3
Total Credit Hours		48

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Physical Education, B.S.P.E. Teacher Certification Concentration

COLLEGE OF ENGINEERING AND COMPUTING

Hossein Haj-Hariri, *Dean*

Abel M. Bayoumi, *Associate Dean for Corporate Relations*

M. Hanif Chaudhry, *Associate Dean for International Programs and Continuing Education*

Lingyu Yu, *Associate Dean for Diversity, Engagement, and Inclusion*

Jed S. Lyons, *Senior Associate Dean for Academic Affairs*

Michael A. Matthews, *Senior Associate Dean for Research and Graduate Studies*

Ruth B. Patterson, *Assistant Dean for Student Services*

Paul H. Ziehl, *Associate Dean for Research*

Baccalaureate Degrees

The College of Engineering and Computing offers the following baccalaureate degrees:

- Aerospace Engineering, B.S.E. (p. 406)
- Biomedical Engineering, B.S. (p. 358)
- Chemical Engineering, B.S.E. (p. 364)
- Civil Engineering, B.S.E. (p. 374)
- Computer Engineering, B.S.E. (p. 383)
- Computer Information Systems, B.S. (p. 385)
- Computer Science, B.S.C.S. (p. 388)
- Electrical Engineering, B.S.E. (p. 394)
- Integrated Information Technology, B.S. (p. 398)
- Mechanical Engineering, B.S.E. (p. 409)

The curricula for all baccalaureate degree programs include a set of courses that fulfill the general education requirements of the University and a set of courses that are specific to the major. Students have the opportunity to pursue specializations within these basic programs.

The programs in Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering are accredited by the Engineering Accreditation Commission of ABET. The programs in Computer Science, Computer Information Systems and Integrated Information Technology are accredited by the Computing Accreditation Commission of ABET. For additional information, visit <http://www.abet.org>.

Minors

The College of Engineering and Computing offers the following minors for qualified students:

- Aerospace Engineering Minor (p. 406)
- Applied Computing Minor (p. 381)
- Chemical Engineering Minor (<https://academicbulletins.sc.edu/undergraduate/engineering-computing/chemical-engineering/chemical-engineering-minor/>)
- Computer Science Minor (p. 387)
- Cybersecurity Operations, Minor (<https://academicbulletins.sc.edu/undergraduate/engineering-computing/integrated-information-technology/cybersecurity-operations-minor/>)
- Data Science Minor (p. 390)
- Electrical Engineering Minor (p. 393)

- Integrated Information Technology Minor (p. 398)
- Nuclear Engineering Minor (p. 411)

A student in the College of Engineering and Computing may add to his or her program of study any minor listed in the Academic Programs A-Z (p. 10) section of this bulletin, provided the minor field of study is distinctly different from the major. Students completing the Computer Information Systems bachelor's degree program automatically earn a minor in Business Information Systems. In most other cases, additional coursework is required to add a minor to a program of study.

Multiple Baccalaureate Degree

In accordance with the university policy on Additional Majors and Baccalaureate Degrees, qualified students may pursue more than one degree from the College of Engineering and Computing either simultaneously or in subsequent terms. The College of Engineering and Computing cooperates with other colleges in the awarding of multiple degrees. Students receive a diploma for each degree awarded.

Multiple Majors

In accordance with the university policy on Additional Majors and Baccalaureate Degrees, qualified students may apply for graduation with double majors in Computer Science and in Mathematics. Students completing these requirements receive a single diploma. Students interested in other combinations of disciplinary credentials should consider a minor or multiple baccalaureate degrees.

Accelerated Graduate Degrees

Accelerated Engineering and Computing Programs

Certain majors within the College of Engineering and Computing offer accelerated bachelors/graduate degree programs in accordance with the procedures given under the "Academic Regulations" section of this bulletin. In such programs, undergraduate students may take course work for graduate credit. The graduate credits may be applied to the student's baccalaureate program. The number of such credits that may be applied towards an undergraduate degree and a graduate degree are determined by the associated degree programs.

Eligible undergraduate students must have completed at least 90 hours of undergraduate course work, must have both a cumulative and major GPA of 3.4 or better, and have the approval of their undergraduate advisor, the Graduate Director of the relevant graduate program, the Dean of Graduate Studies, and the instructor for each course to be taken. The credits must be earned during the student's senior year. Interested students should complete the Application for Admission to an Accelerated Bachelor's/Graduate Study Plan (<http://gradschool.sc.edu/forms/G-BGCA.pdf>), available from The Graduate School.

Accelerated International Masters in Business Administration

The College of Engineering and Computing and the Moore School of Business support the BS/IMBA program for undergraduate students in the College of Engineering and Computing. Under this program, undergraduate students with appropriate co-op or work experience and a GPA of 3.40, both overall and in their major field of study, may first submit an Application for Admission to an Accelerated Bachelor's/Graduate Study Plan to the Graduate School

for acceptance to the accelerated program during the semester in which they will have 90 undergraduate credit hours.

Students must also apply to the Moore School of Business for acceptance to the IMBA program. Satisfactory scores on the GMAT are required. Generally, the equivalent of at least one year of full-time professional experience is required for acceptance to the accelerated BS/IMBA program. Students will generally officially start taking IMBA core courses during the summer after they are within 30 hours of completing the undergraduate degree. The following year will be spent taking elective courses in the IMBA program. The first year of the IMBA program is tightly structured and provides little flexibility in scheduling, including the required internship. Courses remaining to complete the requirements for both programs will be taken during the second year of the IMBA program. Up to 9 hours of graduate courses may be used for dual credit in both programs. The specific courses must be approved by both programs for dual credit.

Cooperative Education

The Cooperative Education Program is an optional program designed to provide career-related work experiences, which can either alternate, or run concurrently with academic semesters. The purpose of the co-op experience is to give direction and enrichment to the student's education, to help the student in career decision making, to improve after-graduation job prospects, and to enable students to pay for a significant portion of their college expenses.

To qualify for the co-op program, students must have completed 30 semester hours and have at least a 2.50 grade point average. The program requires that students participate in at least two work experiences, each equal to one academic semester, and maintain at least a 2.50 grade point average. Students are encouraged to enroll with the Engineering and Computing Career Services Office during their freshman year. More information is available from the Career Center's co-op website (http://sc.edu/about/offices_and_divisions/career_center/).

General Education Requirements

A student must satisfy all Carolina Core (p. 741) requirements to receive a baccalaureate degree from the College of Engineering and Computing. Specific courses and guidelines to satisfy these requirements are determined by each degree program in the College. Individual degree programs may also have additional requirements that could be considered as contributing to general education.

Progression Requirements

Any program-specific progression requirement policies are described in that program's section of this bulletin. Students who are within 30 hours of completing all degree requirements should request a senior check from the Student Services Office.

Program GPA Requirement

The College of Engineering and Computing requires that students have a Program GPA of 2.00 or better. A listing of courses included in the Program GPA for each degree program is maintained in the respective academic program section of this bulletin. The Program GPA computation will include all repeated grades, with the exception of those for which the university approved grade forgiveness has been applied. A student not meeting these requirements must change major or transfer

out of the College of Engineering and Computing. Click the program link below for specific *Program GPA* information.

- Aerospace Engineering, B.S.E. (p. 406)
- Biomedical Engineering, B.S. (p. 358)
- Chemical Engineering, B.S.E. (p. 364)
- Civil Engineering, B.S.E. (p. 374)
- Computer Engineering, B.S.E. (p. 383)
- Computer Information Systems, B.S. (p. 385)
- Computer Science, B.S.C.S. (p. 388)
- Electrical Engineering, B.S.E. (p. 394)
- Integrated Information Technology, B.S. (p. 398)
- Mechanical Engineering, B.S.E. (p. 409)

Repetition of Coursework

A student cannot repeat courses from the College of Engineering and Computing in which they earned a grade of **C** or better. In addition, a student cannot repeat any course from the College a second time. For this purpose, withdrawal from a course with a grade of **W** is not regarded as enrollment in that course. A student that does not satisfactorily complete a degree-required College course within two attempts must change major or transfer out of the College of Engineering and Computing.

A student can repeat no more than four courses from the College of Engineering and Computing in order to satisfy the requirements for any degree from the College, regardless of satisfactory work. For this purpose, withdrawal from a course with a grade of **W** is not regarded as enrollment in that course. A student not meeting these requirements must change major or transfer out of the College of Engineering and Computing.

Departments

- Biomedical Engineering (p. 355)
- Chemical Engineering (p. 361)
- Civil and Environmental Engineering (p. 370)
- Computer Science and Engineering (p. 377)
- Electrical Engineering (p. 391)
- Integrated Information Technology (p. 396)
- Mechanical Engineering (p. 400)

Biomedical Engineering

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/biomedical_engineering/)

Mark Uline, *Director*

Biomedical engineers are involved in the design and improvement of products and procedures that promote improved health. Contributions of biomedical engineers range from the design of artificial organs to the discovery of new therapeutic pharmaceuticals to the development of surgical procedures and associated instrumentation. The Departments of Chemical Engineering and Mechanical Engineering collaborate to offer the Bachelor of Science in Biomedical Engineering. The curriculum provides a strong foundation in the basic and applied sciences, as well as in the liberal arts, to provide students with a well-balanced education. Increasing emphasis is placed upon the application of engineering principles to biological systems in the junior and senior years. The

curriculum provides the opportunity to engage in technical electives, laboratory course components, and a capstone design experience. Additional elective components and the design experience can be tailored to the specific interests of the student.

Bachelor's/Master's Degrees Accelerated Program

The Bachelor's/Master's Degrees Accelerated Program in Biomedical Engineering allows undergraduate students to complete both the B.S. degree and M.S. degree in as few as five years. The use of dual credit-courses that can be used toward both degrees enables acceleration of the program, reducing the total enrollment of the student by one semester.

Biomedical Engineering undergraduate students may apply for approval of an accelerated education plan in the semester in which they will complete 90 hours of undergraduate course work. In addition, students must have a sufficient foundation in biomedical engineering course work to enable them to take graduate-level courses. University and program regulations stipulate that applicants must have a minimum GPA of 3.40, both overall and in biomedical engineering courses. Students in the accelerated program must maintain a GPA of 3.40 while pursuing the B.S. degree.

Students applying to this program must submit to The Graduate School a completed "Application for Admission to a Combined Bachelor's/Master's Education Plan" (G-BMPA) with endorsements of the undergraduate advisor, research advisor and the program graduate director. The dean of The Graduate School has final authority for approving accelerated education plans. A "Bachelor's/Master's Degree Accelerated Plan Course Work Authorization" form must be submitted for each semester in which one or more of these courses are taken.

Participation in the accelerated program does not require or insure acceptance into The Graduate School. Students wishing to continue towards a master's degree in biomedical engineering at USC must apply formally to the Graduate School by submitting the appropriate application and all required supporting documents. Students in the accelerated program will be eligible for graduate assistantships upon admission to The Graduate School.

Only graduate-level courses (numbered 500 and above, including up to 3 credit hours of project/research work) satisfying both B.S. and Master's degree requirements may be used for dual credit. BMEN core graduate courses (excluding 1-hour seminar courses and thesis preparation, BMEN 799) or courses from list of the approved BMEN graduate electives (refer to the graduate student handbook) may be used for graduate-level coursework. No more than twelve credit hours may be used as dual credit. The graduate courses used for dual credit must be taken during the student's final undergraduate year.

Programs

- Biomedical Engineering, B.S. (p. 358)

Courses

BMEN 101 - Introduction to Biomedical Engineering (1 Credit)

Introduction to topics comprising the field of Biomedical Engineering, including their ethical impacts. Familiarization with resources and basic skills necessary to succeed in this major and field.

Prerequisite or Corequisite: MATH 141.

BMEN 212 - Fundamentals of Biomedical Systems (3 Credits)

Fundamentals of static equilibrium, free body diagrams, force and momentum balances; viscoelastic mechanical behavior and models of viscoelasticity; introduction to linear circuit analysis.

Prerequisites: C or better in CHEM 111 or CHEM 141; C or better in MATH 141.

BMEN 240 - Cellular and Molecular Biology with Engineering Applications (4 Credits)

Introduction to molecular, cellular, and physical biology principles and concepts and application of engineering principles to further the understanding of biological systems. Protein and nucleic acid structure and function; DNA replication, mutations, and repair; transcription, translation, and post-translational processing; cellular organization; molecular transport and trafficking; and cellular models.

Prerequisites: C or better in BIOL 101, C or better in CHEM 112 or CHEM 142, and C or better in MATH 142.

BMEN 263 - Introduction to Biomechanics (3 Credits)

Mathematical and theoretical analysis of the mechanical properties and functions of materials, including those of biological origin and clinical relevance. Stress, strain, mechanical properties of materials, axial loading, torsion, bending, and stress/strain transformations. Application of the categories and methodology of solid mechanics to study biological tissues and events.

Prerequisites: C or better in BMEN 212, C or better in MATH 241, C or better in PHYS 211.

BMEN 271 - Introduction to Biomaterials (3 Credits)

Properties of metals, ceramics, polymers, natural materials and composites; methods to modify surface and bulk properties of biomaterials; mechanisms of degradation in physiological environments; cell- and tissue-biomaterial interactions; host response to implanted biomaterials; blood-biomaterial interactions; rational design of biomaterials for specific biomedical applications.

Prerequisites: D or better in CHEM 333; C or better in BMEN 240; C or better in BMEN 263 or ECHE 456; C or better in BMEN 290 or ECHE 311.

BMEN 290 - Thermodynamics of Biomolecular Systems (3 Credits)

First, second, and third law of thermodynamics; free energy and chemical equilibrium in biological processes; phase equilibrium for biomedical systems; energy and metabolism; membrane potentials and depolarization.

Prerequisites: C or better in MATH 241, C or better in BMEN 240, and C or better in PHYS 211.

BMEN 302 - Professional Development and Ethics in Biomedical Engineering (2 Credits)

Analysis and discussion of biomedical industries, standards, regulations, products, and patents. Ethical issues associated with research, introduction of new products, animal subjects, and human subjects.

Prerequisites: BMEN 101.

BMEN 303 - Professional Development and Ethics in Biomedical Engineering (1 Credit)

Analysis and discussion of industries, products, patents, industrial inventiveness, and biomedical research. Ethical issues associated with research, introduction of new products, animal subjects, and human subjects.

Prerequisites: BMEN 101.

BMEN 321 - Biomonitoring and Electrophysiology (3 Credits)

Basic electric circuits and equivalent cell model circuits used in biomonitoring and electrophysiology. Ohm's and Kirchoff's Laws. Applications of electrical components, such as operations amplifiers, filter, and Wheastone bridge, in biomonitoring and electrophysiology. Origins of bioelectricity. Biopotential and electrochemistry including Nernst and Goldman-Hudgkin-Katz equations for describing membrane potential of nerve and muscle cells. Ion transport involved in maintaining cell pH, action potential, muscle contraction, sensory perception.

Prerequisites: D or better in PHYS 212, C or better in BMEN 212, C or better in BMEN 240, C or better in MATH 242.

BMEN 342 - Infectious Disease & Immunology for Biomedical Engineers (3 Credits)

Qualitative and quantitative aspects of infectious diseases; principles of diagnosis and control. Elements of human immunological response and immune disorders; influence on biomedical engineering of explants and implants.

Prerequisites: BIOL 101.

BMEN 345 - Human Anatomy and Physiology for Biomedical Engineers (4 Credits)

Foundations for biomedical engineering with a focus on human anatomy and physiology. Introduction to the inter-relationships between tissue/organ structure and function; demonstration of how an engineering approach can promote understanding of these relationships. Recent biomedical engineering advances and their relations to underlying anatomy and physiology.

Prerequisites: D or better in BMEN 271, C or better in BMEN 240.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 346 - Medical Microbiology for Biomedical Engineers (3 Credits)

Qualitative and quantitative aspects of human system based medical microbiology; principles of diagnosis and control of representative human diseases. Elements of human immunological response and immune disorders.

Prerequisites: D or better in BMEN 240.

BMEN 354 - Biotransport (3 Credits)

Basics of convective and diffusive transport applied to biological and biomedical systems. The effect of fluid flow and mass transport upon biochemical interactions. Scaling and design of biotransport systems.

Prerequisites: ECHE 320 or EMCH 360 or ENCP 360, C or better in MATH 242.

BMEN 363 - Biomedical Instrumentation (3 Credits)

Sensing and measurement of biophysical and biochemical properties and signals in the human body for quantitative molecular, cell, and tissue analysis. Overview on the theory, design and application of common biomedical instrumentation used for diagnosis, treatment, and scientific study of physiological parameters in clinical medicine and biomedical research.

Prerequisites: BMEN 321.

BMEN 381 - Biomedical Engineering Laboratory I (2 Credits)

Introduction to laboratory techniques and tools used for physiological measurements in biomedical engineering, with focus on biological, physical, and biomaterial methods. Data processing and analysis, as well as effective communication of results in written and oral form.

Prerequisites: D or better in BMEN 263, D or better in STAT 509.

Prerequisite or Corequisite: D or better in BMEN 271.

BMEN 382 - Biomedical Engineering Laboratory II (2 Credits)

Introduction to laboratory techniques and tools used for physiological measurements in biomedical engineering, with focus on measurement of biosignals and common analytical methods employed in biomedical research and clinical settings. Data processing and analysis, as well as effective communication of results in written and oral form.

Prerequisites: BMEN 321, BMEN 381.

Prerequisite or Corequisite: BMEN 363.

BMEN 389 - Special Topics in Biomedical Engineering for Undergraduates (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

BMEN 391 - Kinetics in Biomolecular Systems (3 Credits)

Kinetic theory applied to biomedical systems, including enzymatic reactions, cell growth, and kinetic models of biological systems.

Prerequisites: D or better in CHEM 550 or BIOL 541; C or better in BMEN 290 or ECHE 311; C or better in MATH 242.

BMEN 392 - Fundamentals of Biochemical Engineering (3 Credits)

Biological systems are used in chemical industries for a wide variety of applications, including the formation of important products (e.g. pharmaceuticals), sensor technology, degradation, and waste water treatment. This class will provide an overview of materials needed to investigate and model biosystems.

Prerequisites: CHEM 333.

BMEN 411 - Modeling and Simulation of Biomedical Systems (3 Credits)

Introduction to modern computational modeling tools used in biomedical engineering. Analysis, visualization and image processing using engineering software as applied to problems of interest in biomedical engineering.

Prerequisites: BMEN 263, BMEN 271, and BMEN 354 with a minimum grade of D.

BMEN 427 - Senior Biomedical Engineering Design I (3 Credits)

Integrated team work/project management, "voice of the patient", design specifications, design functions, design concepts, economic factors, concept selection and product architecture. The initial feasibility study, selection of the final design approach, and preliminary specifications are required by the end of the semester.

Prerequisites: D or better in all of: BMEN 271, BMEN 345, BMEN 354, BMEN 363, BMEN 381 or BMEN 382.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 428 - Senior Biomedical Engineering Design II (3 Credits)

Design for manufacturability, ergonomic and aesthetic considerations, prototype construction and testing, fabrication and biological testing of tissue engineered constructs, statistical methods/design of experiments, ethics/product liability and social/environmental impact. The final engineering design (specifications, drawings, bill of materials, including assessment of economics) will be completed by the end of the semester. Both written and oral reports are to be provided.

Prerequisites: BMEN 427.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 499 - Independent Research (1-3 Credits)

Individual investigation or studies of special topics. A maximum of 3 credits may be applied to Biomedical Engineering program requirements. Contract approval by instructor, department, and college is required.
Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 532 - Micro/nanofluidics and Lab-on-a-Chip (3 Credits)

Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery.

Prerequisites: D or better in CHEM 112 and CHEM112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: EMCH 562

BMEN 537 - Bio Nano/Micro Electro-Mechanical Systems (3 Credits)

Fundamentals of nano- and microfabrication, metrology and their applications in biomedical engineering and science. The fabrication covers photolithography, nano/microfabrication for nano/microstructures, etching and additive techniques, MEMS integration and packaging, etc. Metrology focuses on characterization of nanostructures with imaging technologies.

Prerequisites: D or better in CHEM 112 and CHEM 112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: EMCH 567

BMEN 546 - Delivery of Bioactive Agents (3 Credits)

Routes of administration; mechanisms of drug absorption and biological barriers; pharmacokinetic modeling of drug distribution; drug excretion and biotransformation; design and evaluation of controlled release systems, targeted release systems, and responsive release systems.

Prerequisites: D or better in all of: BMEN 240, CHEM 333, and MATH 142.

BMEN 547 - Immunoengineering (3 Credits)

Engineering approaches to study and control immune reactions and their applications in therapy and diagnostics for infectious disease, cancer, allergy, autoimmunity, and transplantation.

Prerequisites: C or better in BMEN 240.

BMEN 548 - Cardiovascular System: From Development to Disease (3 Credits)

Survey of cardiovascular development, anatomy, physiology and pathology. Recent advances in our understanding of the basic mechanisms of congenital cardiovascular defects and cardiovascular disease. Engineering principles, detection and treatment of cardiovascular defects.

Prerequisites: D or better in BMEN 240.

BMEN 565 - Advanced Biomechanics (3 Credits)

Mathematical and theoretical analysis of the mechanical properties and functions of soft biological tissues to include arterial vessels.

Prerequisites: D or better in BMEN 263.

BMEN 572 - Tissue Engineering (3 Credits)

Molecular basis of bioregenerative engineering; biomaterial design; biocompatibility assessment; cell isolation and characterization; rapid prototyping, scaffold fabrication, and biofabrication; protein and gene delivery; bioreactor design; transport in biological tissues; applications of tissue engineering in regenerative medicine.

BMEN 575 - Engineering of Soft Materials (3 Credits)

Introductory overview of fundamental concepts in science and engineering of soft materials; the relation between microstructure and macroscopic behavior in a variety of soft matter systems; key applications in chemical and biomedical engineering.

Prerequisites: D or better in ECHE 320, ENCP 360, EMCH 360 or ECIV 360.

Cross-listed course: ECHE 575

BMEN 589 - Special Topics in Biomedical Engineering (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

Biomedical Engineering, B.S.

Program Educational Objectives

Graduates of the Biomedical Engineering Program will:

1. Practice in a professional career or pursue an advanced or professional degree in which they are contributing to scientific, professional, and/or local communities through the improvement of human health.
2. Advance their careers by engaging in teamwork, effective communication, and continued learning to expand their professional development and technical understanding.

Learning Outcomes

1. Ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgement to draw conclusions.
4. Ability to acquire and apply new knowledge as needed, using appropriate learning strategies.
5. Ability to communicate effectively with a range of audiences.
6. Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
7. Ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Biomedical Engineering B.S. program: all Biomedical Engineering Major courses, all courses used to satisfy a Biomedical Engineering Elective, all courses used to satisfy an Engineering Elective, and ECHE 320 or equivalent.

Minimum Course Grades

The Biomedical Engineering program requires that a grade of "C" or better be earned in each of the following

courses: ENGL 101, MATH 141, MATH 142, MATH 241, MATH 242, BIOL 101, BIOL 101L, CHEM 111, CHEM 111L, CHEM 112, CHEM 112L, CHEM 333, CHEM 334, PHYS 211, PHYS 211L, BMEN 212, BMEN 240, BMEN 263, and BMEN 290.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (130-142 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core Requirements	34-46
2. College Requirements	0
3. Program Requirements	48
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101 *must be passed with a grade of C or higher*
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- BIOL 101
- BIOL 101L
- CHEM 111
- CHEM 111L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is

allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (48 hours)

Supporting Courses (48 hours)

Foundational Courses (33 hours)

Complete all of the following:

Course	Title	Credits
CHEM 112	General Chemistry II (must be passed with a grade of C or higher)	3
CHEM 112L	General Chemistry II Lab (must be passed with a grade of C or higher)	1
CHEM 333	Organic Chemistry I (must be passed with a grade of C or higher)	3
CHEM 334	Organic Chemistry II (must be passed with a grade of C or higher)	3
CHEM 550 or BIOL 541	Biochemistry	3
MATH 241	Vector Calculus (must be passed with a grade of C or higher)	3
MATH 242	Elementary Differential Equations (must be passed with a grade of C or higher)	3
PHYS 211	Essentials of Physics I (must be passed with a grade of C or higher)	3
PHYS 211L	Essentials of Physics I Lab (must be passed with a grade of C or higher)	1
PHYS 212	Essentials of Physics II	3
PHYS 212L	Essentials of Physics II Lab	1
STAT 509	Statistics for Engineers	3
Select one of the following:		3
ECHE 320	Chemical Engineering Fluid Mechanics	
ENCP 360	Fluid Mechanics	
EMCH 360	Fluid Mechanics	
Total Credit Hours		33

Biomedical Engineering Electives (6 hours)

Students must take 6 credit hours of Biomedical Engineering electives. Of these 6 credit hours, at most 3 credit hours may come from BMEN 499.

Undergraduate courses that may be used to satisfy this requirement are listed below. In addition, BMEN courses numbered 700 and above may be used to satisfy this requirement, provided the student is admitted to an Accelerated Bachelor's/Graduate Program.

Course	Title	Credits
BMEN 342	Infectious Disease & Immunology for Biomedical Engineers	3
BMEN 346	Medical Microbiology for Biomedical Engineers	3
BMEN 389	Special Topics in Biomedical Engineering for Undergraduates	1-3
BMEN 392	Fundamentals of Biochemical Engineering	3
BMEN 499	Independent Research	1-3
BMEN 532	Micro/nanofluidics and Lab-on-a-Chip	3

BMEN 537	Bio Nano/Micro Electro-Mechanical Systems	3
BMEN 546	Delivery of Bioactive Agents	3
BMEN 547	Immunoengineering	3
BMEN 548	Cardiovascular System: From Development to Disease	3
BMEN 565	Advanced Biomechanics	3
BMEN 572	Tissue Engineering	3
BMEN 575	Engineering of Soft Materials	3
BMEN 589	Special Topics in Biomedical Engineering	1-3
ECHE 430	Chemical Engineering Kinetics	3
EMCH 580	Mechanics of Solid Biomaterials	3
EXSC 335	Biomechanics of Human Movement	3

Engineering Elective (3 hours)

Students must take 3 credit hours of engineering electives. The engineering elective within the Biomedical Engineering Program may be satisfied by any CSCE course at a 200 level and above, as well as any ECHE, ELCT, or EMCH course at a 300 level and above with the following exceptions: CSCE 205, ECHE 310, ECHE 320 and EMCH 360.

Additionally, all courses approved as Biomedical Engineering Electives may be used as an Engineering Elective.

Technical Electives (6 hours)

Students must take 6 credit hours of technical electives. A listing of acceptable technical electives is maintained in the Biomedical Engineering office and on its website. Technical Electives include all Biomedical Engineering Electives, all Engineering Electives and the following:

Course	Title	Credits
BIOL 102	Biological Principles II	3
BIOL 102L	Biological Principles II Laboratory	1
BIOL 250	Microbiology	3
BIOL 250L	Microbiology Laboratory	1
BIOL 270	Introduction to Environmental Biology	3
BIOL 270L	Introduction to Environmental Biology Laboratory	1
BIOL 301	Ecology and Evolution	3
BIOL 302L	Cell and Molecular Biology Laboratory	1
BIOL 303	Fundamental Genetics	3
BIOL 415	Comparative Vertebrate Anatomy	4
BIOL 460	Advanced Human Physiology	3
BIOL 505	Developmental Biology	3
BIOL 530	Histology	4
BIOL 531/ ENHS 661/EPID 661	Parasitology	4
BIOL 534	Animal Behavior	3
BIOL 541L or CHEM 550L	Biochemistry Laboratory	1
BIOL 553	Genomics	3
BIOL 610	Hallmarks of Cancer	3
BIOL 612	Virology - Classical and Emerging Concepts	3
BIOL 620	Immunobiology	3
BIOL 635	Neurophysiology	4
BIOL 653	Bioinformatics	3

BIOL 655	Biotechnology	3
BIOL 656	Experimental Biotechnology	4
BIOL 662	Signal Transduction and Pathogenesis	3
BIOL 665	Human Molecular Genetics	3
BIOL 667	Molecular and Genetic Mechanisms of Disease Pathogenesis	3
BIOL 690	Ultramicroscopy	3
CHEM 321	Quantitative Analysis	3
CHEM 321L	Quantitative Analysis Laboratory	1
CHEM 322	Analytical Chemistry	3
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1
or CHEM 333L	Comprehensive Organic Chemistry Laboratory I	
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1
or CHEM 333L	Comprehensive Organic Chemistry Laboratory I	
CHEM 340	Elementary Biophysical Chemistry	3
CHEM 541	Physical Chemistry	3
CHEM 542	Physical Chemistry	3
CHEM 545	Physical Biochemistry	3
CHEM 550L	Biochemistry Laboratory	1
EXSC 330	Exercise Physiology	3
EXSC 562	Impairments of the Human Motor System	3
MATH 344	Applied Linear Algebra	3
or MATH 526	Numerical Linear Algebra	
MATH 374	Discrete Structures	3
MATH 520	Ordinary Differential Equations	3
MATH 524	Nonlinear Optimization	3
MATH 544	Linear Algebra	3
MATH 546	Algebraic Structures I	3
MATH 547	Algebraic Structures II	3
MATH 550	Vector Analysis	3
MATH 552	Applied Complex Variables	3
PHYS 515	Mathematical Physics I	3
PHYS 516	Mathematical Physics II	3
PHYS 517	Computational Physics	3
STAT 516	Statistical Methods II	3
STAT 518	Nonparametric Statistical Methods	3
STAT 519	Sampling	3
STAT/MGSC 520	Forecasting and Time Series	3
STAT 523	Financial Mathematics II	3
STAT/MGSC 525	Statistical Quality Control	3
STAT 528	Environmental Statistics	3
STAT 530	Applied Multivariate Statistics and Data Mining	3
STAT/CSCE 582	Bayesian Networks and Decision Graphs	3
EMCH 111	Introduction to Computer-Aided Design	3
CSCE 145	Algorithmic Design I	4
MGMT 371	Principles of Management	3

4. Major Requirements (48 hours)

Major Courses (48 hours)

Course	Title	Credits
BMEN 101	Introduction to Biomedical Engineering	1
BMEN 212	Fundamentals of Biomedical Systems (must be passed with a grade of C or higher)	3
BMEN 240	Cellular and Molecular Biology with Engineering Applications (must be passed with a grade of C or higher)	4
BMEN 263	Introduction to Biomechanics (must be passed with a grade of C or higher)	3
BMEN 271	Introduction to Biomaterials	3
BMEN 290	Thermodynamics of Biomolecular Systems (must be passed with a grade of C or higher)	3
BMEN 302	Professional Development and Ethics in Biomedical Engineering	2
BMEN 321	Biomonitoring and Electrophysiology	3
BMEN 345	Human Anatomy and Physiology for Biomedical Engineers	4
BMEN 354	Biotransport	3
BMEN 363	Biomedical Instrumentation	3
BMEN 381	Biomedical Engineering Laboratory I	2
BMEN 382	Biomedical Engineering Laboratory II	2
BMEN 391	Kinetics in Biomolecular Systems	3
BMEN 411	Modeling and Simulation of Biomedical Systems	3
BMEN 427	Senior Biomedical Engineering Design I	3
BMEN 428	Senior Biomedical Engineering Design II	3
Total Credit Hours		48

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Biomedical Engineering, B.S

Chemical Engineering

Department Website (https://www.sc.edu/study/colleges_schools/engineering_and_computing/departments/chemical_engineering/)

Melissa A. Moss, *Chair*

Chemical engineers are involved in the design of materials and devices and in the design and operation of plants which manufacture a wide variety of chemicals, including plastics, textile fibers, fuels, and pharmaceuticals. The work of the chemical engineer can be highly diverse, ranging from research on pollution prevention to the marketing of new chemical products.

The department offers the Bachelor of Science in Engineering with a major in chemical engineering. The department, jointly with the

Department of Mechanical Engineering, offers a major in biomedical engineering.

Accelerated B.S.E./M.E. Education Plan

The Accelerated B.S.E./M.E. Plan in Chemical Engineering allows students to complete both the B.S.E. degree and a Master of Engineering degree in chemical engineering in as few as five years. The use of dual credit-courses that can be used toward both degrees-enables acceleration of the program, reducing the total enrollment of the student by one semester.

Chemical engineering students may apply for approval of an accelerated education plan in the semester in which they will complete 90 hours of undergraduate course work. In addition, students must have a sufficient foundation in chemical engineering course work to enable them to take graduate-level courses. University and department regulations stipulate that applicants must have a minimum GPA of 3.40, both overall and in chemical engineering courses. Students may apply by submitting an accelerated education plan, an application for senior privilege, and a copy of a Graduate School application to the graduate director in chemical engineering. The dean of The Graduate School has final authority for approving accelerated education plans.

Only graduate-level courses (numbered 500 and above) may be used for dual credit. No more than nine credit hours may be used as dual credit. The graduate courses used for dual credit must be taken during the student's final undergraduate year. The student graduates with the B.S.E. degree after completing the B.S.E. degree requirements. At that time, the student is admitted to the graduate program with up to nine hours of graduate credit.

Programs

- Chemical Engineering, Minor (<https://academicbulletins.sc.edu/undergraduate/engineering-computing/chemical-engineering/chemical-engineering-minor/>)
- Chemical Engineering, B.S.E. (p. 364)

Courses

ECHE 101 - Introduction to Chemical Engineering (2 Credits)

Introduction to engineering, with emphasis on chemical engineering. Problem-solving techniques, including the use of computer tools. Basic engineering design methods.

ECHE 202 - Exploring the Chemical Engineering Workplace (1 Credit)

Identification of career interests and active exploration of careers in chemical engineering.

Prerequisite or Corequisite: ECHE 300.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ECHE 203 - Research in Chemical Engineering (1 Credit)

Introduction to research in Chemical Engineering, effective literature search, communication of results, lab safety, and research ethics.

Graduation with Leadership Distinction: GLD: Research

ECHE 300 - Chemical Process Principles (3 Credits)

Material and energy balances in the chemical process industry. Properties of gases, liquids, and solids. Two one-hour lectures and one three-hour laboratory period devoted to problem solving.

Prerequisites: MATH 141.

Prerequisite or Corequisite: CHEM 112 or CHEM 142.

ECHE 310 - Introductory Chemical Engineering Thermodynamics (3 Credits)

First law and second law of thermodynamics. Thermodynamic properties of single component systems. Analysis of power and refrigeration cycles.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: MATH 241.

ECHE 311 - Chemical Engineering Thermodynamics (3 Credits)

Mass, energy, and entropy balance analysis of chemical engineering systems; evaluation of thermodynamic property changes of pure materials; solution thermodynamics of single-phase multicomponent systems; phase and chemical reaction equilibrium.

Prerequisites: C or better in ECHE 310, ENCP 290, CHEM 541, BMEN 290, EMCH 290 or PHYS 306.

ECHE 320 - Chemical Engineering Fluid Mechanics (3 Credits)

Fluid statics and dynamics with emphasis on chemical engineering applications.

Prerequisites: PHYS 211.

Prerequisite or Corequisite: MATH 241.

ECHE 321 - Heat-Flow Analysis (3 Credits)

Theory of heat transmission; mechanism, generation, distribution, and measurement; use of theory in practical equipment design.

Prerequisites: C or better in ECHE 320 or ENCP 360; C or better in MATH 242.

Prerequisite or Corequisite: D or better in ECHE 456.

ECHE 322 - Mass Transfer (3 Credits)

Molecular diffusion in fluids; diffusion in laminar and turbulent flow; momentum, transport analogies; interfacial mass transfer; design applications including humidification and absorption.

Prerequisites: D or better in ECHE 321.

ECHE 372 - Introduction to Materials (3 Credits)

Overview of the fundamental chemical aspects of materials; role of materials in applications in modern society by case studies of advances in new materials and processes.

Prerequisites: CHEM 112.

ECHE 389 - Special Topics in Chemical Engineering (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

ECHE 430 - Chemical Engineering Kinetics (3 Credits)

Concepts of chemical kinetics, batch and flow reactors, catalysts and reactor design.

Prerequisites: C or better in ECHE 311.

Prerequisite or Corequisite: D or better in ECHE 321 or BMEN 354.

ECHE 440 - Separation Process Design (3 Credits)

Design of stagewise chemical separation cascades; analysis of binary and ternary systems; multicomponent separations, plate and column specification procedures; distillation, crystallization, extraction, and leaching.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: ECHE 311.

ECHE 442 - Adsorption Fundamentals and Processes (3 Credits)

Basic principles of adsorption and adsorption processes including adsorbents, thermodynamics, kinetics, fixed bed adsorption and cyclic adsorption processes.

ECHE 456 - Computational Methods for Engineering Applications (3 Credits)

Introduction to advanced computational tools for the analysis of chemical engineering systems. Initial and boundary value problems related to heat and mass transfer, reaction engineering, and parameter estimation.

Prerequisite or Corequisite: D or better in MATH 242.

ECHE 460 - Chemical Engineering Laboratory I (3 Credits)

Review of technical-report writing and presentation techniques; topics in heat transfer, fluid mechanics, and thermodynamics; verification of theoretical results and determination of design parameters. One lecture and six laboratory hours.

Prerequisite or Corequisite: ECHE 311, ECHE 321.

ECHE 461 - Chemical Engineering Laboratory II (3 Credits)

Continuation of ECHE 460; topics in mass transfer, kinetics, and process control.

Prerequisites: ECHE 460.

Prerequisite or Corequisite: ECHE 430, ECHE 440.

ECHE 465 - Chemical-Process Analysis and Design I (3 Credits)

Economics of chemical engineering projects related to typical corporate goals and objectives; process-flowsheet development techniques; review of shortcut design techniques; selection of profitability criteria.

Prerequisite or Corequisite: ECHE 430, ECHE 440.

ECHE 466 - Chemical-Process Analysis and Design II (3 Credits)

Continuation of ECHE 465; computer-aided design of chemical processes; written and oral presentation of a comprehensive design project.

Prerequisites: D or better in ECHE 430, ECHE 440, ECHE 465.

Prerequisite or Corequisite: ECHE 322, ECHE 567.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECHE 497 - Thesis Preparation (1-3 Credits)

Completion of the thesis requirements for the departmental undergraduate research track. A maximum of three credits may be applied toward a degree.

Prerequisites: Three credit hours of ECHE 499, acceptance into the departmental undergraduate research track, and consent of instructor.

ECHE 498 - Topics in Chemical Engineering (1-3 Credits)

Reading and research on selected topics in chemical engineering. Course content varies and will be announced in the schedule of classes by title. May be repeated two times as topics vary. Pass-Fail grading.

Prerequisites: upper division standing.

Graduation with Leadership Distinction: GLD: Research

ECHE 499 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of six credits may be applied toward a degree. Advance approval of project proposal by advisor and instructor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECHE 520 - Chemical Engineering Fluid Mechanics (3 Credits)

Multi-phase pressure drop, phase contacting, flow through porous media, fluidization, mixing, and turbulence.

Prerequisites: ECHE 320 or ENCP 360.

ECHE 521 - Computational Fluid Dynamics for Engineering Applications (3 Credits)

Introduction to the use of computational fluid dynamics codes to analyze flow, heat, and mass transfer problems of practical engineering applications.

Prerequisites: ECHE 320 or EMCH 360 or ECIV 360 or ENCP 360 or AESP 265.

ECHE 530 - Intermediate Chemical Engineering Kinetics (3 Credits)

Intermediate concepts of chemical kinetics, batch and flow reactors, catalysts and reactor design, including non-ideal systems.

Prerequisites: C or better in ECHE 311.

Prerequisite or Corequisite: D or better in ECHE 321.

ECHE 540 - Intermediate Separation Process Design (3 Credits)

Intermediate level design of stagewise chemical separation cascades; analysis of binary and ternary systems; multicomponent separations, plate and column specification procedures; distillation, crystallization, extraction, and leaching.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: D or better in ECHE 311.

ECHE 550 - Chemical-Process Dynamics and Control (3 Credits)

Fundamental physical and chemical principles in mathematically modeling the dynamic response of chemical processes; feedforward and feedback control systems; design of control schemes for selected chemical processes.

Prerequisites: C or better in ECHE 300 and MATH 242; D or better in ECHE 456.

ECHE 567 - Process Safety, Health and Loss Prevention (3 Credits)

Reliability, availability, and fault-tree analyses, risk indices, hazard evaluation, vapor cloud modeling, toxicology, material safety classification and regulations, individual/corporate ethical responsibilities.

Prerequisite or Corequisite: ECHE 466.

ECHE 571 - Corrosion Engineering (3 Credits)

Basic principles of corrosion engineering developed from a chemical engineering approach to thermodynamics, kinetics, mass transfer, and potential theory.

Prerequisites: ECHE 311.

ECHE 572 - Polymer Processing (3 Credits)

Industrial polymers with emphasis on their characterization and on the modeling of the major polymer fabrication processes.

ECHE 573 - Next Energy (3 Credits)

An examination of energy technologies that will enable society to move from an economy based on fossil fuels to one based on sustainable energy.

ECHE 574 - Combustion (3 Credits)

Fundamental process and applications related to the broad field of combustion and energy generation including emissions control technologies.

Prerequisites: ECHE 430.

ECHE 575 - Engineering of Soft Materials (3 Credits)

Introductory overview of fundamental concepts in science and engineering of soft materials; the relation between microstructure and macroscopic behavior in a variety of soft matter systems; key applications in chemical and biomedical engineering.

Prerequisites: D or better in ECHE 320, ENCP 360, EMCH 360, or ECIV 360.

Cross-listed course: BMEN 575

ECHE 589 - Special Advanced Topics in Chemical Engineering (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

Chemical Engineering, B.S.E.

Program Educational Objectives

Within six years of graduation, our graduates are expected to achieve one or more of the following milestones:

1. Advance professionally in the chemical process industries or in their chosen career field.
2. Earn advanced degrees in chemical engineering (or a related technical discipline), medicine, law, or business.
3. Attain leadership positions in today's rapidly changing, increasingly technological, global society.

Learning Outcomes

1. Ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. Ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Ability to communicate effectively with a range of audiences.
4. Ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. Ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. Ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. Ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Chemical Engineering B.S.E. program: all Lower Division

Engineering courses, all Chemical Engineering Major courses, and all Engineering Electives.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (131-138 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-43
2. College Requirements	0
3. Program Requirements	64-65
4. Major Requirements	33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101 - *must be passed with a grade of C or higher*
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- PHIL 325 (CMS/VSR overlay)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- PHIL 325 (CMS/VSR overlay)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (64-65 hours)

Supporting Courses (64-65 hours)

Foundational Courses (20 hours)

Complete all of the following:

Course	Title	Credits
CHEM 112	General Chemistry II (must be passed with a grade of C or higher)	3
CHEM 112L	General Chemistry II Lab (must be passed with a grade of C or higher)	1
CHEM 333	Organic Chemistry I (must be passed with a grade of C or higher)	3
CHEM 334	Organic Chemistry II	3
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations (must be passed with a grade of C or higher)	3
PHYS 212	Essentials of Physics II	3
PHYS 212L	Essentials of Physics II Lab	1
Total Credit Hours		20

Chemistry Electives (3 hours)

A list of acceptable Chemistry Elective courses is maintained in the department office and on its website. These include the following:

Course	Title	Credits
CHEM 321	Quantitative Analysis	3
CHEM 322	Analytical Chemistry	3
CHEM 511	Inorganic Chemistry	3
CHEM 533	Comprehensive Organic Chemistry III	3
CHEM 541	Physical Chemistry	3
CHEM 542	Physical Chemistry	3
CHEM 545	Physical Biochemistry	3
CHEM 550	Biochemistry	3
CHEM 555	Biochemistry/Molecular Biology I	3
CHEM 556	Biochemistry/Molecular Biology II	3
CHEM 621	Instrumental Analysis	3
CHEM 622	Forensic Analytical Chemistry	3
CHEM 623	Introductory Environmental Chemistry	3
CHEM 624	Aquatic Chemistry	3
CHEM 633	Introduction to Polymer Synthesis	3
CHEM 643	Computational Chemistry	3
CHEM 644	Materials Chemistry	3
CHEM 655	Metabolic Biochemistry of Human Disease	3

Chemistry Laboratory Electives (2 hours)

A list of acceptable Chemical Laboratory Elective courses is maintained in the department office and on its website. These include the following:

Course	Title	Credits
CHEM 321L	Quantitative Analysis Laboratory	1
CHEM 322L	Analytical Chemistry Laboratory	1
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1-2

or CHEM 333L	Comprehensive Organic Chemistry Laboratory I	
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1-2
or CHEM 334L	Comprehensive Organic Chemistry Laboratory II	
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542L	Physical Chemistry Laboratory	2
CHEM 550L	Biochemistry Laboratory	1
CHEM 621L	Instrumental Analysis Lab	1

Computer Programming Elective (3-4 hours)

Course	Title	Credits
Select one of the following:		
CSCE 145	Algorithmic Design I	4
CSCE 206	Scientific Applications Programming	3

Lower Division Engineering (14-15 hours)

Complete all of the following:

Course	Title	Credits
ECHE 101	Introduction to Chemical Engineering	2-3
or ENCP 101	Introduction to Engineering I	
ECHE 300	Chemical Process Principles (must be passed with a grade of C or higher)	3
ECHE 310	Introductory Chemical Engineering Thermodynamics (must be passed with a grade of C or higher)	3
or ENCP 290	Thermodynamic Fundamentals	
ECHE 311	Chemical Engineering Thermodynamics (must be passed with a grade of C or higher)	3
ECHE 320	Chemical Engineering Fluid Mechanics (must be passed with a grade of C or higher)	3
or ENCP 360	Fluid Mechanics	

Professional Development Elective (1 hour)

A list of acceptable Professional Development Elective courses is maintained in the department office and on its website. The list includes the following:

Course	Title	Credits
ECHE 202	Exploring the Chemical Engineering Workplace	1
ECHE 203	Research in Chemical Engineering	1

Engineering Electives (6 hours)

Students must take 6 credit hours of engineering electives. Undergraduate courses that may be used to satisfy this requirement are listed below. In addition, ECHE courses numbered 700 and above may be used to satisfy this requirement, provided the student is admitted to an Accelerated Bachelor's/Graduate Program.

Course	Title	Credits
Select one of the following:		
ENCP 200	Statics	3
ECIV 200	Statics	
EMCH 200	Statics	
ENCP 201	Introduction to Applied Numerical Methods	3
or EMCH 201	Introduction to Applied Numerical Methods	
Select one of the following:		
ENCP 210	Dynamics	3
ECIV 210	Dynamics	

EMCH 310	Dynamics	
Select one of the following:		
ENCP 260	Introduction to the Mechanics of Solids	3
ECIV 220	Mechanics of Solids	
EMCH 260	Solid Mechanics	
ENCP 330	Introduction to Vibrations	3
or EMCH 330	Mechanical Vibrations	
ENCP 440	Sustainable Development in Engineering	3
ENCP 460	Special Topics in Engineering and Computing	1-6
ENCP 481	Project Management	1
ENCP 499	Interdisciplinary Technical Elective	1-3
ENCP 540	Environmentally Conscious Manufacturing	3
BMEN 212	Fundamentals of Biomedical Systems	3
BMEN 240	Cellular and Molecular Biology with Engineering Applications	4
BMEN 263	Introduction to Biomechanics	3
BMEN 271	Introduction to Biomaterials	3
BMEN 290	Thermodynamics of Biomolecular Systems	3
BMEN 300 and above, except BMEN 301 and BMEN 303		
CSCE 211	Digital Logic Design	3
CSCE 212	Introduction to Computer Architecture	3
CSCE 240	Advanced Programming Techniques	3
CSCE 274	Robotic Applications and Design	3
CSCE 313	Embedded Systems	3
CSCE 317	Computer Systems Engineering	3
CSCE 520	Database System Design	3
CSCE 567	Visualization Tools	3
CSCE 582	Bayesian Networks and Decision Graphs	3
CSCE 587	Big Data Analytics	3
ECHE 202	Exploring the Chemical Engineering Workplace	1
or ECHE 203	Research in Chemical Engineering	
ECHE 372	Introduction to Materials	3
ECHE 389	Special Topics in Chemical Engineering	3
ECHE 497	Thesis Preparation	1-3
ECHE 499	Special Problems	1-3
ECHE 520	Chemical Engineering Fluid Mechanics	3
ECHE 521	Computational Fluid Dynamics for Engineering Applications	3
ECHE 571	Corrosion Engineering	3
ECHE 572	Polymer Processing	3
ECHE 573	Next Energy	3
ECHE 574	Combustion	3
ECHE 575	Engineering of Soft Materials	3
ECHE 589	Special Advanced Topics in Chemical Engineering	3
ELCT 220	Electrical Engineering for Non-Majors	3
ELCT 221	Circuits	3
ELCT 222	Signals and Systems	3
ELCT 300 and above		
ECIV 300 and above, except ECIV 360 ¹		
EMCH 300 and above, except EMCH 354 and EMCH 360 ²		

¹ Except ECIV 360

² Except EMCH 354 and EMCH 360

Technical Electives (12 hours)

A list of acceptable Technical Elective courses is maintained in the department office and on its website. The list includes the following:

Course	Title	Credits
All Engineering Electives		
Chemistry Electives		
Chemistry Lab Electives		
ENCP 102	Introduction to Engineering II	3
or EMCH 111	Introduction to Computer-Aided Design	
MATH 300	Transition to Advanced Mathematics	3
MATH 374	Discrete Structures	3
MATH 500 and above		
STAT 500 and above, except STAT 541 and STAT 591		
BIOL 101	Biological Principles I	3
BIOL 101L	Biological Principles I Laboratory	1
BIOL 102	Biological Principles II	3
BIOL 102L	Biological Principles II Laboratory	1
BIOL 120	Human Biology	3
BIOL 120L	Laboratory in Human Biology	1
BIOL 200 and above		
ENVR 231	Introduction to Sustainability Management and Leadership	3-4
ENVR 321	Environmental Pollution and Health	3
ENVR 331	Integrating Sustainability	3
GEOL 300 and above		
MSCI 300 and above		
PHYS 300 and above		
CSCE 145	Algorithmic Design I	4
CSCE 146	Algorithmic Design II	4
CSCE 210	Computer Hardware Foundations	3
CSCE 215	UNIX/Linux Fundamentals	1
CSCE 350	Data Structures and Algorithms	3
ACCT 222	Survey of Accounting	3
FINA 333	Finance and Markets	3
MGMT 371	Principles of Management	3
MGSC 290	Computer Information Systems in Business	3
MKTG 350	Principles of Marketing	3

Career Elective (3 hours)

Course	Title	Credits
All approved Carolina Core Courses for AIU, CMS, GFL, GHS, GSS, and VSR		
All Engineering Electives		
All Chemistry Electives		
All Chemistry Lab Electives		
All Technical Electives		
AERO 401	National Security/Leadership Responsibilities/Commissioning Preparation (POC cadets only)	3
AERO 402	National Security / Leadership Responsibilities / Commissioning Preparation II (POC cadets only)	3

AFAM 201	Introduction to African American Studies: Social and Historical Foundations	3
AFAM 202	Introduction to African-American Studies	3
AFAM 335	The American Civil Rights Movement	3
ANTH 101	Primates, People, and Prehistory	3
ANTH 102	Understanding Other Cultures	3
ANTH 219	Great Discoveries in Archaeology	3
ANTH 300 and above except ANTH 399, ANTH 501		
ARTE 101	Introduction to Art	3
ARTH 105	History of Western Art I	3
ARTH 106	History of Western Art II	3
ARTH 300 and above except ARTH 399, ARTH 498, ARTH 499, ARTH 599		
ARMY 406	American Military Experience (Army cadets only)	3
CPLT any course; courses CPLT 270 and above count as 300-level		
DANC 101	Dance Appreciation	3
ECON 221	Principles of Microeconomics	3
ECON 222	Principles of Macroeconomics	3
ECON 224	Introduction to Economics	3
ECON 300 and above except ECON 399, ECON 421, ECON 499, ECON 524, ECON 595		
ENGL any course above 102, except 460 through 467		
Foreign languages 121 Elementary		
Foreign languages 300 and above except intensive reading courses or courses about teaching		
GEOG 103	Introduction to Geography	3
GEOG 121	Geographies of Global Change	3
GEOG 300 and above except GEOG 399, GEOG 595		
HIST any course		
LASP 301	Interdisciplinary Study of Latin America	3
LASP 311	Latin American Cultures	3
LASP 315	South American Indian Cultures	3
LASP 322	Mesoamerican Prehistory	3
LASP 331	Geography of Latin America	3
LASP 351	Politics and Governments of Latin America	3
LASP 398	Special Topics in Latin American Studies	3
LASP 425	Prehistoric Archaeology of South America	3
LASP 451	International Relations of Latin America	3
LING 300	Introduction to Language Sciences	3
LING 340	Language, Culture, and Society	3
LING 405	Topics in Linguistics	3
LING 540	Topics in Language and Culture	3
LING 541	Language and Gender	3
LING 542	Research in Language Conflict and Language Rights	3
LING 543	Discourse, Gender, and Politics of Emotion	3
LING 545	Anthropological Approaches to Narrative and Performance	3
LING 567	Psychology of Language	3
LING 600	Survey of Linguistics	3
MUSC 110	Introduction to Music	3
MUSC 140	Jazz and American Popular Music	3
MUSC 145	Introduction to Music Literature	3

MUSC any music history course at or above 300-level		
NAVY 303	Evolution of the Art of War (Midshipmen only)	3
PHIL 102	Introduction to Philosophy	3
PHIL 300 and above		
PSYC 101	Introduction to Psychology	3
PSYC 103	Psychology of Adjustment	3
PSYC 300 and above except PSYC 570 to PSYC 599		
POLI any course except POLI 379, POLI 399		
RELG any course		
SOCY 101	Introductory Sociology	3
SOCY 300 and above except 399		
THEA 200	Understanding and Appreciation of Theatre	3
THEA 561	History of the Theatre I	3
THEA 562	History of the Theatre II	3
UNIV 101	The Student in the University	3
WGST 112	Introduction to Women's and Gender Studies	3
WGST 113	Women's Health	3
WGST 207	Gender and Culture	3
WGST 300	Sex and Gender	3
WGST 301	Psychology of Marriage	3
WGST 304	Race, Class, Gender, and Sexuality	3
WGST 305	Sociology of Families	3
WGST 307	Feminist Theory	3
WGST 308	African-American Feminist Theory	3
WGST 310	Psychology of Women	3
WGST 351	The Family in Cross-Cultural Perspective	3
WGST 352	Gender and Politics	3
WGST 430	Topics in Women's Studies	1-3
WGST 454	Women and the Law	3
WGST 554	Women and Crime	3
WGST 555	Language and Gender	3

4. Major Requirements (33 hours)

Major Courses (33 hours)

Course	Title	Credits
ECH 321	Heat-Flow Analysis	3
ECH 322	Mass Transfer	3
ECH 430	Chemical Engineering Kinetics	3
ECH 440	Separation Process Design	3
ECH 456	Computational Methods for Engineering Applications	3
ECH 460	Chemical Engineering Laboratory I	3
ECH 461	Chemical Engineering Laboratory II	3
ECH 465	Chemical-Process Analysis and Design I	3
ECH 466	Chemical-Process Analysis and Design II	3
ECH 550	Chemical-Process Dynamics and Control	3
ECH 567	Process Safety, Health and Loss Prevention	3
Total Credit Hours		33

Concentrations (15 hours) *optional*

Students may pursue any of the following concentrations by choosing specified engineering, technical, and chemistry elective courses to fulfill degree requirements:

- Concentration in Biomolecular Engineering
- Concentration in Energy
- Concentration in Interdisciplinary Engineering
- Concentration in Materials
- Concentration in Environmental Engineering
- Concentration in Numerical Methods and Computing

To fulfill the requirements for any concentration, a student must complete five courses (15 credit hours) in one area. Consult the department website or advising handbook for the most up to date list of approved concentration courses. Although these courses are designated as electives in the B.S.E. curriculum in chemical engineering, certain courses in the lists are designated as "required" with respect to fulfilling concentration requirements. Also note that the lists may not include all of the prerequisites for some of the listed courses.

Concentration in Biomolecular Engineering (15 hours)

Course	Title	Credits
BIOL 302	Cell and Molecular Biology ¹	3
or BMEN 240	Cellular and Molecular Biology with Engineering Applications	
CHEM 550	Biochemistry	3
Select one of the following:		3
BMEN 271	Introduction to Biomaterials	
BMEN 391	Kinetics in Biomolecular Systems	
Select two of the following:		6
BIOL 303	Fundamental Genetics	
BIOL 460	Advanced Human Physiology	
BIOL 505	Developmental Biology	
BIOL 530	Histology	
BIOL 665	Human Molecular Genetics	
BMEN 271	Introduction to Biomaterials	
BMEN 321	Biomonitoring and Electrophysiology	
BMEN 342	Infectious Disease & Immunology for Biomedical Engineers	
BMEN 345	Human Anatomy and Physiology for Biomedical Engineers	
BMEN 346	Medical Microbiology for Biomedical Engineers	
BMEN 389	Special Topics in Biomedical Engineering for Undergraduates	
BMEN 391	Kinetics in Biomolecular Systems	
BMEN 392	Fundamentals of Biochemical Engineering	
BMEN 499	Independent Research	
BMEN 546	Delivery of Bioactive Agents	
BMEN 547	Immunoengineering	
BMEN 548	Cardiovascular System: From Development to Disease	
BMEN 565	Advanced Biomechanics	
BMEN 572	Tissue Engineering	
BMEN 589	Special Topics in Biomedical Engineering ¹	

ECE 575	Engineering of Soft Materials	
Total Credit Hours		15

¹ BIOL 101 and BIOL 102 are prerequisites for BIOL 302. Multiple distinct 389/589 courses may be counted.

Concentration in Energy (15 hours)

Course	Title	Credits
ECE 573	Next Energy	3
Select four of the following:		12
ECE 372	Introduction to Materials	
ECE 389	Special Topics in Chemical Engineering (designated energy electives) ¹	
ECE 499	Special Problems (approved energy-related research project, up to 3 credit hours)	
ECE 571	Corrosion Engineering	
ECE 574	Combustion	
ELCT 363	Introduction to Microelectronics	
ELCT 510	Photovoltaic Materials and Devices	
ELCT 563	Semiconductor Devices for Power, Communications and Lighting	
EMCH 551	Nuclear Energy in the Hydrogen Economy	
EMCH 552	Introduction to Nuclear Engineering	
EMCH 553	Nuclear Fuel Cycles	
EMCH 576	Fundamentals and Applications of Fuel Cells	
ECE 589	Special Advanced Topics in Chemical Engineering (designated energy electives) ¹	
EMCH 592	Introduction to Combustion	
EMCH 594	Solar Heating	
Total Credit Hours		15

¹ Multiple distinct 389/589 courses may be counted.

Concentration in Interdisciplinary Engineering (15 hours)

Course	Title	Credits
Select five courses from the following:		15
EMCH 200	Statics	
	or ECIV 200 Statics	
	or ENCP 200 Statics	
EMCH 260	Solid Mechanics	
EMCH 310	Dynamics	
MATH 526	Numerical Linear Algebra	
STAT 509	Statistics for Engineers	
CSCE 206	Scientific Applications Programming	
	or ECE 456 Computational Methods for Engineering Applications	
ELCT 220	Electrical Engineering for Non-Majors	
	or ELCT 221 Circuits	
ECE 372	Introduction to Materials	
	or EMCH 371 Materials	
CHEM 621	Instrumental Analysis	
Total Credit Hours		15

Concentration in Materials (15 hours)

Course	Title	Credits
ECE 372	Introduction to Materials	3
Select one of the following:		3
ECE 389	Special Topics in Chemical Engineering (designated materials courses)	
ECE 571	Corrosion Engineering	
ECE 572	Polymer Processing	
ECE 589	Special Advanced Topics in Chemical Engineering (designated materials courses)	
Select three of the following:		9
CHEM 511	Inorganic Chemistry	
CHEM 633	Introduction to Polymer Synthesis	
CHEM 644	Materials Chemistry	
ELCT 363	Introduction to Microelectronics	
ELCT 563	Semiconductor Devices for Power, Communications and Lighting	
EMCH 573	Introduction to Nuclear Materials	
ECE 389	Special Topics in Chemical Engineering (designated materials electives) ¹	
ECE 499	Special Problems (approved materials-related research project, up to 3 credit hours)	
ECE 571	Corrosion Engineering	
ECE 572	Polymer Processing	
ECE 589	Special Advanced Topics in Chemical Engineering (designated materials electives) ¹	
Total Credit Hours		15

¹ Multiple distinct 389/589 courses may be counted.

Concentration in Environmental Engineering (15 hours)

Course	Title	Credits
ECIV 350	Introduction to Environmental Engineering	3
ECIV 362	Introduction to Water Resources Engineering	3
ECIV 558	Environmental Engineering Process Modeling	3
CHEM 623	Introductory Environmental Chemistry	3
	or CHEM 624 Aquatic Chemistry	
Select one of the following:		3
ENVR 231	Introduction to Sustainability Management and Leadership	
ENVR 321	Environmental Pollution and Health	
ENVR 322	Environmental Ethics	
ENVR 331	Integrating Sustainability	
Total Credit Hours		15

Concentration in Numerical Methods and Computing (15 hours)

Course	Title	Credits
Select one of the following:		3
EMCH 201	Introduction to Applied Numerical Methods	
ENCP 201	Introduction to Applied Numerical Methods	
Select four of the following:		12
CSCE 145	Algorithmic Design I	
CSCE 146	Algorithmic Design II	
MATH 374	Discrete Structures	

or MATH 574 Discrete Mathematics I

MATH (500-level or higher)	
GEOL 575	Numerical Modeling for Earth Science Applications
EMCH 501	Engineering Analysis I
ECHE 521	Computational Fluid Dynamics for Engineering Applications
ECHE 589	Special Advanced Topics in Chemical Engineering (depending on topic coverage, multiple versions possible)

Total Credit Hours 15

B.S.E. with Distinction

The B.S.E. with Distinction is available to students majoring in chemical engineering who wish to participate in significant research and/or design activities in chemical engineering with a faculty mentor.

A minimum GPA of 3.50 in major courses, 3.50 in all engineering courses, and 3.50 overall is required at the time the student applies to enter the departmental undergraduate research track.

The student should apply to enter the departmental undergraduate research track and choose the members of the thesis committee as early as possible but in all cases at least one year before submitting and defending the thesis. The thesis committee will consist of a thesis advisor, who must be a tenure-track faculty member in chemical engineering, and two other tenure-track or research faculty members in chemical engineering or in any other department.

By the end of the semester in which the student is admitted into the research track, a short description of the research must be agreed upon by the thesis committee and the student, and filed in the college office. Projects involving research and/or design are acceptable. The design projects or research projects for ECHE 465, ECHE 466, ECHE 567, or other courses are not acceptable as the thesis. The student must also choose three credit hours of engineering or technical elective courses related to the thesis topic. The course(s) must be approved by the thesis committee and completed by the student at least one semester before the thesis is submitted and defended.

Before submitting and defending the thesis, the student must have completed three credit hours of ECHE 499 under the thesis advisor, preferably one credit hour per semester. During the semester in which the thesis is submitted and defended the student must also complete three credit hours of ECHE 497, one credit hour under each of the three members of the thesis committee. At least two months before submitting and defending the thesis, the student must present a progress report to the thesis committee orally and in writing.

By the end of his/her last semester, the student must have presented the research at a national meeting of a professional society (such as AIChE, ACS, ECS, etc.), at Discovery Day at USC, or at a comparable venue. The student must also submit a written thesis describing the research and defend it orally before the thesis committee. The defense must be announced at least one week in advance and be open to the general public.

Students who successfully fulfill all of these requirements with a GPA of at least 3.50 in the three hours of ECHE 497, 3.50 in all major courses, 3.50 in all engineering courses, and 3.50 overall, will be awarded their degree with "Distinction in Chemical Engineering" upon graduation.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Chemical Engineering, B.S.E.

Civil and Environmental Engineering

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/civil_and_environmental_engineering/)

Juan M. Caicedo, *Chair*

The Department of Civil and Environmental Engineering offers a Bachelor of Science in Engineering degree with a major in civil engineering. Civil engineering is the planning, design, and construction of projects that define a civilization. Civil engineers have built landmarks that now stand as tributes to the profession's creative spirit and ingenuity. Civil engineering is everywhere: the buildings in which we live and work, the roads on which we travel, the water we drink, the bridges we cross. Civil engineers design industrial and commercial buildings, bridges, towers, dams, tunnels, and mass transportation facilities. They manage urban planning and public works projects, perform air quality monitoring, and plan and design waste collection and handling systems.

Program Educational Objectives¹

1. Graduates of the Civil engineering program should demonstrate their continuing successful practice as civil engineers and/or their pursuit of post baccalaureate education and/or their engagement in other professional careers that involve the application of engineering concepts.
2. Graduates of the civil engineering program should demonstrate a commitment for continuing professional development and life-long learning.
3. Graduates of the civil engineering program should demonstrate the ability to advance within their profession to positions of greater responsibility and leadership.

The first two years of the undergraduate curriculum form the necessary foundation in mathematics, computer programming, the physical sciences, and basic engineering sciences, together with courses in the liberal arts, to provide the student with a well-balanced educational experience. The upper-division civil engineering program includes the study of construction materials, structural analysis and design, soil behavior, systems analysis, water supply, and pollution control. The department offers elective courses in such areas of engineering as environmental, geotechnical, structural, transportation, and water resources.

The civil engineering graduate is prepared to enter the job market with federal, state, and municipal agencies and with private consulting firms involved with aspects of planning, design, construction, or environmental control. Students may, following graduate study, also pursue careers in teaching and in research and development.

¹ The Civil and Environmental Engineering Department at the University of South Carolina uses the term “program educational objective” to describe the expected accomplishments of our students in a few years (three to five years) following graduation. The term “student learning outcome” is used to describe the knowledge and skills at the time of graduation.

Bachelor’s/Master’s Accelerated Program

A combined B.S.E./M.S. or M.E. degree program is available to undergraduate civil and environmental engineering students with GPAs of 3.50 or above and 90 or more hours earned toward their baccalaureate degrees. Up to 6 credit hours of 500-level or above courses may be applied toward both the B.S.E. and M.S. or M.E. in Civil Engineering degree requirements. The approval of the student’s advisor and the Department of Civil and Environmental Engineering graduate director are required. Questions about this program may be directed to the civil and environmental engineering graduate director.

Programs

- Civil Engineering, B.S.E. (p. 374)

Courses

ECIV 101 - Introduction to Civil Engineering (3 Credits)

Fundamental concepts in each of the disciplines of civil engineering are discussed. Critical thinking skills are formally fostered by hands-on experiences and group discussions.

ECIV 111 - Introduction to Engineering Graphics and Visualization (3 Credits)

Principles and practice of visualization and graphical representation using modern computer-aided design tools.

ECIV 200 - Statics (3 Credits)

Fundamentals of engineering mechanics. Equilibrium of particles and rigid bodies. Free-body diagrams, analysis trusses and frames. Distributed forces, centroids, centers of gravity, and friction.

Prerequisites: C or better in MATH 141.

ECIV 201 - Computational Methods for Civil Engineering (3 Credits)

The use of computational tools and techniques for solving civil and environmental engineering problems. Overview of numerical methods including roots of equations, systems of linear equations, interpolation, and integration. Analysis of civil and environmental systems.

Prerequisites: C or better in MATH 142 and ECIV 200 or ENCP 200.

ECIV 210 - Dynamics (3 Credits)

Kinematics of particles and rigid bodies. Vector representation of force and motion. Free-body diagrams, application of energy and momentum methods to solve problems. Rigid body and central force motion.

Prerequisites: C or better in ECIV 200 and in MATH 142.

ECIV 220 - Mechanics of Solids (3 Credits)

Concepts of stress and strain; stress analysis of basic structural members. Vectors, free bodies, equilibrium and elastic behavior. Combined stress, Mohr’s circle. Beams, columns, torsion, and rotation.

Prerequisites: C or better in ECIV 200 or ENCP 200 and in MATH 142.

ECIV 300 - Civil Engineering Measurements (3 Credits)

Theory and application of plane surveying and mapping techniques. Lecture plus laboratory.

Prerequisites: MATH 241.

ECIV 303 - Civil Engineering Materials (3 Credits)

Mechanical and thermal properties of mineral aggregates, cements, concrete, timber, asphalt, metals, and plastics.

Prerequisites: C or better in ECIV 220 or ENCP 260.

ECIV 303L - Civil Engineering Materials Laboratory (1 Credit)

Experiments, exercises, and demonstrations to accompany ECIV 303. Three contact hours per week.

Prerequisites: D or better in ECIV 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 303.

ECIV 307 - Professional Development for Civil Engineers (3 Credits)

Regulatory permits and scheduling of construction projects. Engineering responsibility and liabilities. Reporting of engineering designs and analysis. Cost estimation of engineering projects including present or future net value.

Prerequisite or Corequisite: D or better in ECIV 320, ECIV 330, ECIV 340, ECIV 350, or ECIV 362.

ECIV 320 - Structural Analysis I (3 Credits)

Equilibrium, shear and moment diagrams, and influence lines for statically determinate trusses, beams, and frames. Energy principles and other methods for displacement calculations. Introduction to indeterminate structural analysis.

Prerequisites: ECIV 201; MATH 242; C or better in ECIV 220.

ECIV 325 - Structural Steel Design (3 Credits)

Behavior and design of steel beams, columns, and tension members; strength and stability; design of connections using welded, bolted and riveted construction.

Prerequisites: C or better in ECIV 320.

ECIV 327 - Reinforced Concrete Design (3 Credits)

Behavior and design of reinforced concrete beams, columns, continuous beams and one way slabs, and footings.

Prerequisites: C or better in ECIV 320.

ECIV 330 - Introduction to Geotechnical Engineering (3 Credits)

Engineering properties of soil and rock; hydraulic conductivity, flow nets, drainage design; consolidation theory, shearing strength of soil.

Prerequisites: C or better in either ECIV 220 or ENCP 260.

ECIV 330L - Geotechnical Laboratory (1 Credit)

Laboratory associated with ECIV 330. Soil mechanics experiments, exercises, and demonstrations. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 330.

ECIV 340 - Introduction to Transportation Engineering (3 Credits)

Transportation design, planning, and operational analysis, including roadway, airway, and railway systems; transportation elements, including traveled way, vehicle, control, terminals, and advanced technology; traffic data collection, interpretation, and analysis.

Prerequisites: D or better in ECIV 201 or D or better in ENCP 201 and D or better in STAT 509 or D or better in STAT 511.

ECIV 340L - Transportation Engineering Laboratory (1 Credit)

This course covers the principles of distances, elevations and angles that pertain to roadways, basic theories in engineering measurements and surveying calculations, and an introduction to mapping, for transportation engineering applications. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 340.

ECIV 350 - Introduction to Environmental Engineering (3 Credits)

Concepts of environmental engineering, including air and water pollution, solid and hazardous waste disposal, and noise pollution. Qualitative and quantitative development of engineering techniques for pollution control.

Prerequisites: D or better in CHEM 111 or CHEM 141; C or better in Math 142

ECIV 350L - Introduction to Environmental Engineering Laboratory (1 Credit)

Physical, chemical, and biological analysis of water and wastewater. Three laboratory hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 350.

ECIV 360 - Fluid Mechanics (3 Credits)

Principles of fluid statics and dynamics. Conservation of mass, momentum, and energy. Similitude and dimensional analysis, open channel flow, lift and drag forces, and introduction to turbulent flow.

Prerequisite or Corequisite: C or better in ECIV 200 or ENCP 200; C or better in MATH 142.

ECIV 362 - Introduction to Water Resources Engineering (3 Credits)

Application of fluid mechanic principles to water resources engineering problems; pipe systems, pumps, open channel flow, peak runoff, seepage, hydraulic structures.

Prerequisites: C or better in either ECIV 360 or ENCP 360.

ECIV 362L - Introduction to Water Resources Engineering Laboratory (1 Credit)

Experiments, exercises, and demonstrations on flow in pipes and open channels, pumps, flow measurement, seepage, and infiltration. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 362.

ECIV 405 - System Applications in Civil Engineering (3 Credits)

Systems approach to analysis and design; application of engineering economic principles to the evaluation of design alternatives; deterministic modeling and optimization emphasizing civil engineering applications.

Prerequisites: D or better in ECIV 201 or ENCP 201.

ECIV 426 - Structural Design (3 Credits)

Design of steel structures including elastic and plastic design concepts. Design of concrete structures including continuous members and long columns.

Prerequisites: ECIV 325 or ECIV 327.

ECIV 470 - Civil Engineering Design (4 Credits)

Application of hydraulic, geotechnical, and structural principles in design; project scheduling; cost estimation; ethics; environmental and social impact; design drawings; report documents.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in ECIV 307.

Prerequisite or Corequisite: D or better in ECIV 111 or ENCP 102; D or better in two ECIV Distribution Courses.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECIV 490 - Special Topics (0-3 Credits)

Course content varies and will be announced in the schedule of classes by course title. May be repeated as topic varies. A maximum of twelve credits may be applied towards a degree.

Graduation with Leadership Distinction: GLD: Research

ECIV 497 - Fundamentals of Engineering Preparation (1 Credit)

Preparation for the Fundamentals of Engineering Exam. Will cover general engineering and civil engineering specific areas. Restricted to Civil Engineering Seniors. Pass/ Fail Grading.

ECIV 499 - Independent Study in Civil and Environmental Engineering (1-3 Credits)

Individual investigation or studies of special topics. A maximum of six credits may be applied toward a degree.

Prerequisites: approval of project proposal by instructor; USC/GPA 2.8.

Graduation with Leadership Distinction: GLD: Research

ECIV 502 - Life Cycle Assessment of Civil and Environmental Engineering Systems (3 Credits)

The steps of conducting and interpreting an environmental life cycle assessment on civil and environmental engineering systems.

Fundamentals associated with conducting a life cycle assessment, including goal and scope, inventory analysis, impact assessment, and interpretation.

Prerequisites: D or better in ECIV 350 and D or better in either ECIV 303, ECIV 325, ECIV 327, ECIV 330, ECIV 340 or ECIV 362.

ECIV 503 - Structural Modeling and Experimental Methods (3 Credits)

Introduction of structural modeling; strain gauge instrumentation; force, displacement, acceleration, pressure, temperature measurements; concrete and steel modeling; size effects; analysis of experimental data.

Prerequisites: ECIV 327.

ECIV 520 - Structural Analysis II (3 Credits)

Advanced methods of structural analysis with emphasis on matrix methods. Development of the generalized matrix force and matrix displacement methods of static analysis, with applications to trusses and frames.

Prerequisites: ECIV 320.

ECIV 521 - Numerical Methods in Mechanics (3 Credits)

Numerical modeling of typical engineering problems. Numerical solution of linear and nonlinear, boundary and initial value problems. Introduction to optimization.

Prerequisites: D or better in ECIV 201 or ENCP 201.

ECIV 524 - Structural Vibrations (3 Credits)

Response of single- and multiple-degree of freedom structurally dynamic systems to impact, harmonic, wind, and seismic excitations.

Prerequisites: ECIV 320.

ECIV 526 - Timber and Masonry Design (3 Credits)

Basic engineering properties of timber and masonry materials, design methods and philosophies for timber and masonry structures. Particular attention is paid to current codes, specifications and analysis.

Prerequisites: C or better in ECIV 320.

ECIV 530 - Foundation Analysis and Design (3 Credits)

Subsurface investigation procedures. Theoretical and practical aspects of the design of earth retaining structures, spread footings, and pile foundations.

Prerequisites: ECIV 330.

ECIV 531 - Design of Earth Structures (3 Credits)

Geotechnical engineering problems associated with the behavior of earth masses. Soil shear strength, lateral earth pressure, design of retaining structures, slope stability, water flow through soils.

Prerequisites: ECIV 330.

ECIV 533 - Geosynthetics and Geotechnical Design of Landfills (3 Credits)

Principles for the design, construction, and performance of waste containment systems. Characterization of barrier materials; geosynthetics; design of liner and leachate collection systems; stability and deformation analyses of landfills.

Prerequisites: ECIV 330.

ECIV 535 - Geotechnical Engineering in Transportation (3 Credits)

Remote sensing and engineering geology. Field and laboratory testing. Design and maintenance methods for flexible and rigid pavements. Topics in tunnel design and buried conduit.

Prerequisites: ECIV 330.

ECIV 539 - Experimental Methods in Geotechnical Engineering (3 Credits)

Overview of transducers, signal conditioning and data acquisition; test control methods, data analysis and measurement errors; testing systems to measure soil strength, stiffness, and hydraulic conductivity; laboratory projects and examinations.

Prerequisites: ECIV 330, ECIV 330L.

ECIV 540 - Transportation Systems Planning (3 Credits)

Fundamental interactions between supply and demand in transportation systems. Modeling transportation demand and trip-making behavior. Evaluation of alternatives for decision making.

Prerequisites: ECIV 340.

ECIV 541 - Highway Design (3 Credits)

Design of transportation facilities using relevant tools and guidelines with emphasis on physical and operational aspects of arterials, freeways, intersections, and interchanges, including geometry, capacity, control, and safety.

Prerequisites: D or better in ECIV 111 or ENCP 102 and D or better in ECIV 340.

ECIV 542 - Traffic Engineering (3 Credits)

Capacity analysis of freeways and arterials. Traffic flow characteristics and basic relationships among traffic flow parameters. Signalized and unsignalized intersection control and signal timing design.

Prerequisites: ECIV 340.

ECIV 543 - Traffic Safety Analysis (3 Credits)

Research concepts and methodologies to enable students to identify the underlying reasons and factors that contribute to traffic crashes and determine appropriate countermeasures.

Prerequisites: D or better in ECIV 340.

ECIV 551 - Elements of Water and Wastewater Treatment (3 Credits)

Unit operations and processes employed in the physical, chemical, and biological treatment of water and wastewater. Design of water and wastewater treatment systems.

Prerequisites: ECIV 350.

ECIV 555 - Principles of Municipal Solid Waste Engineering (3 Credits)

Fundamentals and engineering principles of solid waste generation, characterization, collection and transport, source reduction and recycling, and physical, chemical, and biological treatment strategies.

Prerequisites: ECIV 350.

ECIV 556 - Air Pollution Control Engineering (3 Credits)

Introduction to the sources of air pollution and the engineering principles used for control and prevention.

Prerequisites: ECIV 350.

ECIV 557 - Sustainable Construction for Engineers (3 Credits)

Instruction to sustainable engineering design alternatives and principles for construction and site development from preconstruction through design and the construction phase.

Prerequisites: ECIV 350 and ECIV 570.

ECIV 558 - Environmental Engineering Process Modeling (3 Credits)

Modeling fate and transport phenomena in environmental processes with applications in engineered unit operators and natural systems.

Prerequisites: ECIV 350 and MATH 242.

ECIV 560 - Open Channel Hydraulics (3 Credits)

Steady and unsteady flows in single or multiple-channel systems.

Prerequisites: ECIV 360.

ECIV 562 - Engineering Hydrology (3 Credits)

Applications of hydrologic techniques to design problems; stormwater simulation models; urban stormwater.

Prerequisite or Corequisite: D or better in ECIV 362.

ECIV 563 - Subsurface Hydrology (3 Credits)

Hydrologic cycle, subsurface physical properties, equations of groundwater flow, well flow, well design, groundwater resource development, design of dewatering systems, groundwater contamination.

Prerequisites: D or better in ECIV 201 or ENCP 201; D or better in ECIV 362.

ECIV 570 - Land Development for Engineers (3 Credits)

Fundamentals of designing and permitting the conversion of land to new or altered states, including environmental issues, traffic and parking, utility resources, site engineering, ADA, safety, planning, and zoning requirements.

Prerequisites: Three from ECIV 320, ECIV 330, ECIV 340, ECIV 350, and ECIV 362.

ECIV 580 - Railway Engineering I (3 Credits)

Introduction to the analysis and design of the railway infrastructure for freight and passenger systems to include track and track support systems, grade crossings, special trackwork, construction, inspection, assessment and compliance.

Prerequisites: ECIV 303, ECIV 320, ECIV 330, ECIV 340.

Corequisite: ECIV 303.

ECIV 582 - Operation and Logistics of Railway Systems (3 Credits)

Principles of rail operations; Network management; Best practices for train planning, performance management and delivery of service; technical elements of a railway from an operations perspective (train controls, signaling, communications, yards, tractive power etc).

Prerequisites: ECIV 340.

ECIV 588 - Design of Railway Bridges and Structures (3 Credits)

Introduction to railway infrastructure; Structural design considerations and criteria of railway structures; Bridge types and components; Planning and preliminary design of modern railway bridges; Loads and forces; Structural analysis and design of steel railway bridges and components.

Prerequisite or Corequisite: ECIV 330; ECIV 325 or ECIV 327.

ECIV 590 - Intermediate Special Topics (3 Credits)

The content of this course varies, and the topics are selected by the faculty. The aim of this course is to expose upper-level undergraduate students and graduate students to a contemporary issue, not covered in any Civil and Environmental Engineering course. Possible topics include intelligent infrastructure, sustainable construction, and monitoring and improvement of poor and degrading infrastructure.

Civil Engineering, B.S.E.

Learning Outcomes

1. Graduates of the program will have an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. Graduates of the program will have an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. Graduates of the program will have an ability to communicate effectively with a range of audiences
4. Graduates of the program will have an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. Graduates of the program will have an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

6. Graduates of the program will have an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. Graduates of the program will have an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Entrance Requirements

See College of Engineering and Computing for progression requirements, and special academic opportunities.

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Civil Engineering B.S.E. program: all Civil Engineering Lower Division courses, all Civil Engineering Major courses and all courses used to satisfy an ECIV Laboratory Elective, ECIV Distribution Elective, and ECIV Elective.

Professional Development Requirement

Communications and Ethics: This requirement is satisfied by completing one or more program-accepted Carolina Core courses for CMS and VSR.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Communications and Ethics

This requirement is satisfied by completing one or more program-accepted Carolina Core courses for CMS and VSR.

Degree Requirements (124-142 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	0
3. Program Requirements	65-71
4. Major Requirements	25

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- SPCH 140
- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- PHIL 322
- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (65-71 hours)

Supporting Courses (65-71 hours)

Course	Title	Credits
Foundational Required Courses		6
MATH 242	Elementary Differential Equations	
STAT 509	Statistics for Engineers	
	or STAT 511 Probability	
Foundational Math Elective		3
Select one from the following:		
MATH 241	Vector Calculus	
MATH 300	Transition to Advanced Mathematics	
MATH 344	Applied Linear Algebra	
Foundational Math/Science Elective		3-4
Select one from the following:		
Additional course from Foundational Math Elective category		
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab	
PHYS 212 & 212L	Essentials of Physics II and Essentials of Physics II Lab	
Lower Division Engineering		18
ECIV 101	Introduction to Civil Engineering	
	or ENCP 101 Introduction to Engineering I	
ECIV 111	Introduction to Engineering Graphics and Visualization	
	or ENCP 102 Introduction to Engineering II	
ECIV 200	Statics	
	or ENCP 200 Statics	

ECIV 201	Computational Methods for Civil Engineering or ENCP 201 Introduction to Applied Numerical Methods	BIOL 101	Biological Principles I
ECIV 220	Mechanics of Solids or ENCP 260 Introduction to the Mechanics of Solids	BIOL 102	Biological Principles II
ECIV 360	Fluid Mechanics or ENCP 360 Fluid Mechanics	BIOL 250	Microbiology (and higher)
ECIV Laboratory Courses	2	BMEN 212	Fundamentals of Biomedical Systems (and higher)
Select two from the following:		CHEM 118	Computational Chemistry I (and higher)
ECIV 303L	Civil Engineering Materials Laboratory	CSCE 145	Algorithmic Design I
ECIV 330L	Geotechnical Laboratory	CSCE 146	Algorithmic Design II
ECIV 340L	Transportation Engineering Laboratory	CSCE 201	Introduction to Computer Security
ECIV 350L	Introduction to Environmental Engineering Laboratory	CSCE 206	Scientific Applications Programming
ECIV 362L	Introduction to Water Resources Engineering Laboratory	CSCE 211	Digital Logic Design
ECIV Distribution Courses	12	ECHE 300	Chemical Process Principles (and higher)
Select one course from four of the following five areas:		ECIV 210	Dynamics or ENCP 210 Dynamics
Environmental Engineering		ELCT 220	Electrical Engineering for Non-Majors
ECIV 551	Elements of Water and Wastewater Treatment	ELCT 221	Circuits (and higher)
ECIV 555	Principles of Municipal Solid Waste Engineering	EMCH 290	Thermodynamics (or higher (but not ENCP 360)
ECIV 556	Air Pollution Control Engineering	ENCP 290	Thermodynamic Fundamentals (and higher (but not ENCP 360) ²
ECIV 557	Sustainable Construction for Engineers	ENVR 331	Integrating Sustainability (and higher (but not ENCP 360)
ECIV 558	Environmental Engineering Process Modeling	ENVR 501	Special Topics in the Environment
Structural Engineering		ENVR 533	Sustainability Projects Course
ECIV 325	Structural Steel Design	GEOG 347	Water as a Resource
ECIV 327	Reinforced Concrete Design	GEOG 563	Advanced Geographic Information Systems
Transportation Engineering		GEOG 563	Advanced Geographic Information Systems
ECIV 540	Transportation Systems Planning	GEOL 302	Rocks and Minerals (or above)
ECIV 541	Highway Design	ITEC 233	Introduction to Computer Hardware and Software (or higher)
ECIV 542	Traffic Engineering	MATH 520	Ordinary Differential Equations
ECIV 580	Railway Engineering I	MATH 521	Boundary Value Problems and Partial Differential Equations
Geotechnical Engineering		MATH 544	Linear Algebra
ECIV 530	Foundation Analysis and Design	MATH 550	Vector Analysis
ECIV 531	Design of Earth Structures	MSCI 305	Ocean Data Analysis (and above)
Water Resources Engineering		NAVY 201	Naval Ships Systems I (and higher)
ECIV 560	Open Channel Hydraulics	NAVY 202	Naval Ships Systems II
ECIV 562	Engineering Hydrology	PHYS 291	Einstein's Relativity: Understanding by Example (and higher)
ECIV 563	Subsurface Hydrology	NAVY 301	Navigation/Naval Operations I
Basic Science Elective	3-4	STAT 511	Probability
Select one from the following:		STAT 512	Mathematical Statistics
BIOL 110	General Biology	STAT 513	Theory of Statistical Inference
BIOL 270	Introduction to Environmental Biology	STAT 516	Statistical Methods II
ENVR 101	Introduction to the Environment	STAT 520	Forecasting and Time Series
ENVR 321	Environmental Pollution and Health	STAT 587	Big Data Analytics
GEOL 101	Introduction to the Earth	Other Electives	
GEOL 103	Environment of the Earth	Select two courses from the following:	
MSCI 210	Oceans and Society	Additional courses from Foundational Math Elective category, Foundational Math/Science Elective category, Basic Science category and ESM Elective category.	
MSCI 215	Coastal Environments of the Southeastern US	Additional ECIV courses 300 level and higher	
Engineering, Science, or Mathematics (ESM) Electives	12-14	ACCT 222	Survey of Accounting
Select four courses from the following:		ECON 224	Introduction to Economics
Additional courses from Foundational Math Elective category, Foundational Math/Science Elective category and Basic Science		FINA 333	Finance and Markets
Additional ECIV courses 300 level and higher			

MGMT 371	Principles of Management
MGSC 290	Computer Information Systems in Business
MKTG 350	Principles of Marketing
Total Credit Hours	59-63

4. Major Requirements (25 hours)

Major Courses

Course	Title	Credits
ECIV 303	Civil Engineering Materials	3
ECIV 307	Professional Development for Civil Engineers	3
ECIV 320	Structural Analysis I	3
ECIV 330	Introduction to Geotechnical Engineering	3
ECIV 340	Introduction to Transportation Engineering	3
ECIV 350	Introduction to Environmental Engineering	3
ECIV 362	Introduction to Water Resources Engineering	3
ECIV 470	Civil Engineering Design	4
Total Credit Hours		25

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Civil Engineering, B.S.E.

Computer Science and Engineering

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/computer_science_and_engineering/)

Matt E. Thatcher, *Chair*

The Department of Computer Science and Engineering offers baccalaureate degrees with majors in computer engineering, computer information systems, and computer science. All three programs provide students with the knowledge and skills to work as practitioners in all aspects of the computing and information processing industries. The major in computer science allows students to focus primarily on the software aspects of computing and applications in the humanities and sciences; the major in computer engineering includes courses in electronics and computer hardware as well as software; the major in computer information systems is designed for persons who are primarily interested in business and data processing applications. Students expecting to pursue graduate study in either computer science or engineering are advised to follow the computer science or computer engineering programs. The department also serves many disciplines within the University through course offerings that provide basic computing skills necessary for the pursuit of studies in other fields. A minor in computer science is available.

Bachelor's/Master's Accelerated Programs

A combined B.S./M.S. or B.S./M.E. degree program is available to undergraduate students in computer science and engineering with 90 or more hours earned toward their baccalaureate degrees. Students accepted into this program must have a minimum overall GPA of 3.40 and at least 3.40 in the course work taken in computer science and engineering. Up to nine credit hours at the 500 level or above may be applied toward both the B.S. and M.S. or M.E. degree requirements. The approval of the student's advisor and the graduate director is required. Questions about this program should be directed to the graduate director.

A combined B.S./I.M.B.A. degree program is available to undergraduate students in computer science and engineering with 90 or more hours earned toward their baccalaureate degrees. Students must be approved by the Department of Computer Science and Engineering and accepted by the Moore School of Business for the I.M.B.A. program. Students must have a minimum overall GPA of 3.40, one year or equivalent of appropriate professional work experience, and satisfactory scores on the GMAT examination. Up to 9 credit hours of graduate courses may be used for dual credit in both programs with the approval of both program directors. Questions about this program should be directed to the undergraduate director.

Programs

- Applied Computing Minor (p. 381)
- Computer Engineering, B.S.E. (p. 383)
- Computer Information Systems, B.S. (p. 385)
- Computer Science Minor (p. 387)
- Computer Science, B.S.C.S. (p. 388)
- Data Science Minor (p. 390)

Courses

CSCE 101 - Introduction to Computer Concepts (3 Credits)

History, application, and social impact of computers; problem-solving, algorithm development, applications software, and programming in a procedural language.

Carolina Core: ARP

CSCE 102 - General Applications Programming (3 Credits)

Introduction to systematic computer problem-solving and programming for a variety of applications.

Carolina Core: ARP

CSCE 145 - Algorithmic Design I (4 Credits)

Problem-solving, algorithmic design, and programming. Three lectures and two laboratory hours per week.

Prerequisite or Corequisite: MATH 111 or MATH 115.

Carolina Core: ARP

CSCE 146 - Algorithmic Design II (4 Credits)

Continuation of CSCE 145. Rigorous development of algorithms and computer programs; elementary data structures. Three lecture hours and two laboratory hours per week.

Prerequisites: C or better in CSCE 145.

Prerequisite or Corequisite: MATH 122 or MATH 141.

CSCE 190 - Computing in the Modern World (1 Credit)

An introduction to the field of computing: trends in computing technology, the profession, and careers; subdisciplines in computing; the nature of research and development.

Corequisite: CSCE 145, CSCE 204, CSCE 205, CSCE 206 or equivalent.

CSCE 201 - Introduction to Computer Security (3 Credits)

Introduction to the theory and practice of computer security, including security policies, authentication, digital certificates, firewalls, malicious code, legal and ethical issues, and incident handling.

Prerequisite or Corequisite: CSCE 101 or CSCE 102 or CSCE 145.

CSCE 204 - Program Design and Development (3 Credits)

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.

Prerequisites: CSCE 101 or MGSC 290 or ITEC 264.

Cross-listed course: ITEC 204, MGSC 298

CSCE 205 - Business Applications Programming (3 Credits)

Introduction to computer applications in business. Programming exercises in COBOL.

Prerequisites: MGSC 290 or CSCE 101 or above.

CSCE 206 - Scientific Applications Programming (3 Credits)

Introduction to computer applications in science and engineering. Programming exercises in a high-level language.

Prerequisites: MATH 122 or MATH 141.

CSCE 207 - UNIX System Administration (3 Credits)

The Unix programming environment: I/O programming, Unix processes, fork, exec, pipes and signals, and tools.

Prerequisites: CSCE 145 or CSCE 206.

CSCE 209 - Special Topics in Computer Programming (1-4 Credits)

Programming and application development using selected programming languages. Course content varies and will be announced in the schedule of classes by title.

CSCE 210 - Computer Hardware Foundations (3 Credits)

Number representation, data formats, CPU and memory organization, assembly language, I/O and peripherals, computer networks. Students may not apply both CSCE 210 and CSCE 212 to any minor or major program of study.

Prerequisites: D or better in CSCE 145, CSCE 204, CSCE 205, CSCE 206, or CSCE 207.

CSCE 211 - Digital Logic Design (3 Credits)

Number systems, Boolean algebra, logic design, sequential machines.

Prerequisites: MATH 141.

CSCE 212 - Introduction to Computer Architecture (3 Credits)

Computer architecture, components, and organization; memory addressing; Input/Output; instruction sets; interrupts; assembly-language programming. Students may not apply both CSCE 210 and CSCE 212 to any minor or major program of study.

Prerequisites: D or better in CSCE 211 and D or better in either CSCE 145 or CSCE 206.

CSCE 215 - UNIX/Linux Fundamentals (1 Credit)

UNIX operating system, user-level system commands, and programming tools. UNIX scripting languages.

Prerequisites: CSCE 145.

CSCE 240 - Advanced Programming Techniques (3 Credits)

Pointers; memory management; advanced programming language structures: operator overloading, iterators, multiple inheritance, polymorphism, templates, virtual functions; Unix programming environment.

Prerequisites: CSCE 215, C or better in CSCE 146.

CSCE 242 - Client-Server Computing (3 Credits)

Web technologies to support client-server computing. Implementation of client-server applications.

Prerequisites: C or better in CSCE 146.

CSCE 245 - Object-Oriented Programming Techniques (3 Credits)

Advanced object-oriented concepts and techniques; multiple inheritance; memory management; operator overloading; polymorphism; performance issues.

Prerequisites: C or better in CSCE 146.

CSCE 247 - Software Engineering (3 Credits)

Fundamentals of software design and development; software implementation strategies; object-oriented design techniques; functional design techniques; design patterns; design process; source control; testing.

Prerequisites: C or better in CSCE 146.

CSCE 274 - Robotic Applications and Design (3 Credits)

Design and control of robots. Interactions between robots, sensing, actuation, and computation.

Prerequisites: CSCE 146.

CSCE 304 - Applied Problem Solving and Programming (3 Credits)

Systematic problem definition, solution formulation, and computer implementation for business and related areas. Internet and database applications. Programming exercises in a high-level programming language.

Prerequisites: CSCE 204 or MGSC 298.

Cross-listed course: MGSC 398

CSCE 311 - Operating Systems (3 Credits)

Operating system structure and function; process implementation, scheduling, and synchronization; memory management; security; naming protection; resource allocation; network file systems.

Prerequisites: CSCE 240; CSCE 210 or CSCE 212.

CSCE 313 - Embedded Systems (3 Credits)

Fundamentals of embedded systems: hardware components, software components, hardware/software interface design, and hardware/software co-design.

Prerequisites: CSCE 211, CSCE 212.

CSCE 317 - Computer Systems Engineering (3 Credits)

System-level modeling and evaluation of computer systems: requirements elicitation and specification, architectural design, reliability and performance evaluation, Markov modeling, life-cycle cost analysis, project management.

Prerequisites: CSCE 212, MATH 242, STAT 509.

CSCE 330 - Programming Language Structures (3 Credits)

Formal specification of syntax and semantics; structure of algorithms; list processing and string manipulation languages; statement types, control structures, and interfacing procedures.

Prerequisites: CSCE 240; MATH 174 or MATH 374 or MATH 574.

CSCE 350 - Data Structures and Algorithms (3 Credits)

Techniques for representing and processing information, including the use of lists, trees, and graphs; analysis of algorithms; sorting, searching, and hashing techniques.

Prerequisites: CSCE 240; MATH 174 or MATH 374 or MATH 574.

CSCE 355 - Foundations of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages, grammars, automata, and Turing machines; fundamental limits of computation.

Prerequisites: CSCE 211, CSCE 212, CSCE 350.

CSCE 390 - Professional Issues in Computer Science and Engineering (1 Credit)

Professional issues in the information technology professions; history and social context of computing; professional responsibilities; privacy; intellectual property; risks and liabilities of computer-based systems.

Carolina Core: VSR

CSCE 415 - Mainframe Systems (3 Credits)

Introduction to the large scale computer systems used by businesses to support thousands of simultaneous users and process millions of transactions.

Prerequisites: ITEC 352 or CSCE 240.

Cross-listed course: ITEC 475

CSCE 416 - Introduction to Computer Networks (3 Credits)

Concepts and components of computer networks and the Internet; network applications; network protocol stack.

Prerequisites: CSCE 146.

CSCE 490 - Capstone Computing Project I (3 Credits)

Major team-based software design project to be undertaken in a student's final year of study; project planning, software requirements analysis, design, and specification. Written reports and oral presentations in a technical setting.

Prerequisites: D or better in CSCE 240.

Prerequisite or Corequisite: D or better in CSCE 350.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

CSCE 491 - Capstone Computer Engineering Project (3 Credits)

Advanced computer systems engineering. Team projects. Written reports and oral presentations in a technical setting.

Prerequisites: D or better in CSCE 240, CSCE 313, CSCE 611.

Graduation with Leadership Distinction: GLD: Research

CSCE 492 - Capstone Computing Project II (3 Credits)

Continuation of CSCE 490. Computer system implementation, testing, verification and validation of results. Written reports and oral presentations in a technical setting.

Prerequisites: CSCE 490.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

CSCE 498 - Independent Study (1-3 Credits)

Individual investigation or study of special topics. At most three credits may be applied toward a degree. Approval of project proposal by instructor and department advisor.

Graduation with Leadership Distinction: GLD: Research

CSCE 500 - Computer Programming and Applications (3 Credits)

Concepts and properties of algorithms; programming exercises with emphasis on good programming habits. Credit may not be received for both CSCE 500 and CSCE 145. Open to all majors. May not be used for major credit by computer science and engineering majors.

CSCE 510 - System Programming (3 Credits)

System software such as command language interpreters, client-server applications, debuggers; mail systems, browsers, macroprocessors, and revision control systems; file systems, processes, threads, and interprocess communication.

Prerequisites: CSCE 215, CSCE 240.

CSCE 512 - System Performance Evaluation (3 Credits)

Measuring, modeling, analyzing, and predicting performance of computer systems and networks; bottleneck analysis; Markovian queuing systems and networks; use of operational and probabilistic models.

Prerequisites: CSCE 311, STAT 509 or STAT 515.

CSCE 513 - Computer Architecture (3 Credits)

Design methodology; processor design; computer arithmetic: algorithms for addition, multiplication, floating point arithmetic; microprogrammed control; memory organization; introduction to parallel architectures.

Prerequisites: CSCE 211, CSCE 212.

CSCE 515 - Computer Network Programming (3 Credits)

Computer networks and communication protocols; socket programming; interprocess communication; development of network software; case studies.

Prerequisites: CSCE 311.

CSCE 516 - Computer Networks (3 Credits)

Structure, design, and analysis of computer networks; ISO/OSI network architecture.

Prerequisites: STAT 509 or STAT 515.

CSCE 517 - Computer Crime and Forensics (3 Credits)

Structure, design, and analysis of computer networks; ISO/OSI network architecture.

Prerequisites: CSCE 215.

CSCE 518 - Ethical Hacking (3 Credits)

Fundamental principles and techniques of ethical hacking, including penetration testing life cycle, planning and scoping, identifying targets and goals, active and passive reconnaissance, enumeration and scanning, exploitation, post-exploitation, and results reporting.

Prerequisites: CSCE 215 or previous Linux/UNIX experience.

CSCE 520 - Database System Design (3 Credits)

Database management systems; database design and implementation; security, integrity, and privacy.

Prerequisites: CSCE 240 or GEOG 563.

CSCE 522 - Information Security Principles (3 Credits)

Threats to information resources and appropriate countermeasures. Cryptography, identification and authentication, access control models and mechanisms, multilevel database security, steganography, Internet security, and intrusion detection and prevention.

Prerequisites: CSCE 146; MATH 374 or MATH 174.

CSCE 526 - Service Oriented Computing (3 Credits)

Cooperative information systems and service-oriented computing. Techniques for achieving coordinated behavior among a decentralized group of information system components. Distributed databases, multiagent systems, conceptual modeling, Web services, and applications.

Prerequisites: CSCE 311.

CSCE 531 - Compiler Construction (3 Credits)

Techniques for design and implementation of compilers, including lexical analysis, parsing, syntax-directed translation, and symbol table management.

Prerequisites: CSCE 240.

CSCE 546 - Mobile Application Development (3 Credits)

Development of mobile applications, including user interface design for mobile, local and cloud data storage techniques, and application architectures.

Prerequisites: CSCE 240 or previous programming experience with one of the following programming languages (C/C++, Java, Swift, Python, Matlab, Javascript).

CSCE 547 - Windows Programming (3 Credits)

Object-oriented methods and tools for application programming with graphically interactive operating systems.

Prerequisites: CSCE 240.

CSCE 548 - Building Secure Software (3 Credits)

Construction of software systems resistant to vulnerabilities and attacks. Cryptographic tools. Language, operating system, and network security. Case studies. Development of best practices through programming assignments.

Prerequisites: CSCE 240.

CSCE 551 - Theory of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity

Prerequisites: C or better in CSCE 350 or MATH 300.

Cross-listed course: MATH 562

CSCE 552 - Computer Game Development (3 Credits)

Design and development of computer games, with emphasis on the technologies used. Hands-on development of computer games.

Prerequisites: CSCE 240, CSCE 350.

CSCE 555 - Algorithms in Bioinformatics (3 Credits)

Concepts, algorithms and tools for important problems in Bioinformatics, including nucleotide and amino acid sequence alignment, DNA fragment assembly, phylogenetic reconstruction, and protein structure visualization and assessment.

Prerequisites: CSCE 350.

CSCE 557 - Introduction to Cryptography (3 Credits)

Design of secret codes for secure communication, including encryption and integrity verification: ciphers, cryptographic hashing, and public key cryptosystems such as RSA. Mathematical principles underlying encryption. Code-breaking techniques. Cryptographic protocols.

Prerequisites: C or better in CSCE 145 or MATH 241, and at least one of CSCE 355, MATH 300 or MATH 374.

Cross-listed course: MATH 587

CSCE 561 - Numerical Analysis (3 Credits)

Interpolation and approximation of functions; solution of algebraic equations; numerical differentiation and integration; numerical solutions of ordinary differential equations and boundary value problems; computer implementation of algorithms.

Prerequisites: C or better MATH 520 or in both MATH 242 and MATH 344.

Cross-listed course: MATH 527

CSCE 563 - Systems Simulation (3 Credits)

Computer simulation of real systems; principles of system organization; random number generation; programming exercises in a simulation language.

Prerequisites: CSCE 240, STAT 509 or STAT 515.

CSCE 564 - Computational Science (3 Credits)

Parallel algorithms; scientific visualization; techniques for solving scientific problems.

Prerequisites: MATH 526, CSCE 146 or CSCE 207 or CSCE 500.

CSCE 565 - Introduction to Computer Graphics (3 Credits)

Graphics hardware; graphics primitives; two-dimensional and three-dimensional viewing; basic modeling.

Prerequisites: CSCE 240, MATH 526 or MATH 544.

CSCE 567 - Visualization Tools (3 Credits)

Scientific visualization tools as applied to sampled and generated data; methods for data manipulation and representation; investigation of visualization techniques.

Prerequisites: CSCE 145 or CSCE 206 or CSCE 207.

CSCE 569 - Parallel Computing (3 Credits)

Architecture and interconnection of parallel computers; parallel programming models and applications; issues in high-performance computing; programming of parallel computers.

Prerequisites: knowledge of programming in a high-level language; MATH 526 or MATH 544.

CSCE 571 - Critical Interactives (3 Credits)

Foundational techniques in multidisciplinary software development, specifically of applications designed to present sensitive, sometimes controversial, materials in ways to engender empathic awareness of the interactor.

Cross-listed course: FAMS 581

CSCE 572 - Human-Computer Interaction (3 Credits)

Interdisciplinary approach to interaction design, user-centered design, human abilities, survey development, experimental study methodology, heuristic evaluations, usability testing, universal design, and accessibility.

Prerequisites: Undergraduate or graduate standing in CSE or permission of the instructor.

CSCE 574 - Robotics (3 Credits)

Design and application of robotic systems; emphasis on mobile robots and intelligent machines.

Prerequisites: CSCE 211, CSCE 212, CSCE 240.

CSCE 578 - Text Processing (3 Credits)

Text and natural language processing; formal models and data structures appropriate for text processing; selected topics in computational linguistics, stylistics, and content analysis.

Prerequisites: CSCE 330, CSCE 355.

CSCE 580 - Artificial Intelligence (3 Credits)

Heuristic problem solving, theorem proving, and knowledge representation, including the use of appropriate programming languages and tools.

Prerequisites: CSCE 350.

CSCE 582 - Bayesian Networks and Decision Graphs (3 Credits)

Normative approaches to uncertainty in artificial intelligence. Probabilistic and causal modeling with Bayesian networks and influence diagrams. Applications in decision analysis and support. Algorithms for probability update in graphical models.

Prerequisites: CSCE 350; STAT 509 or STAT 515.

Cross-listed course: STAT 582

CSCE 585 - Machine Learning Systems (3 Credits)

Design and implementation of machine learning systems, Deep learning systems stack, machine learning platforms, scalable and distributed machine learning.

Prerequisites: C or better in CSCE 240 or CSCE 206.

CSCE 587 - Big Data Analytics (3 Credits)

Foundational techniques and tools required for data science and big data analytics. Concepts, principles, and techniques applicable to any technology and industry for establishing a baseline that can be enhanced by future study.

Prerequisites: STAT 509, STAT 513, or STAT 515.

Cross-listed course: STAT 587

CSCE 590 - Topics in Information Technology (3 Credits)

Reading and research on selected topics in information technology. Course content varies and will be announced in the schedule of courses by title. May be repeated for credit as topics vary.

CSCE 594 - Strategic Management of Information Systems (3 Credits)

Strategic management and use of information systems in organizations.

Cross-listed course: MGSC 594

CSCE 611 - Advanced Digital Design (3 Credits)

Design techniques for logic systems; emphasis on higher-level CAD tools such as hardware description languages and functional modeling.

Prerequisites: CSCE 212.

CSCE 612 - VLSI System Design (3 Credits)

VLSI design process models, introduction to EDA tools, HDL modeling and simulation, logic synthesis and simulation, benchmark design projects.

Prerequisites: CSCE 211.

CSCE 613 - Fundamentals of VLSI Chip Design (3 Credits)

Design of VLSI circuits, including standard processes, circuit design, layout, and CAD tools. Lecture and guided design projects.

Prerequisites: ELEC 371.

Applied Computing Minor

All disciplines can benefit from computing technology. This multidisciplinary minor is designed to provide the knowledge of modern computing technology you need to be more effective in your major area of interest.

Degree Requirements (18 Hours) Foundation Courses (6 hours)

Course	Title	Credits
Select two of the following:		6
CSCE 101	Introduction to Computer Concepts	
CSCE 102	General Applications Programming	
ITEC 101	Thriving in the Tech Age	
GEOG 105	The Digital Earth	
Total Credit Hours		6

Note: If either or both CSCE 101 and CSCE 102 are used to satisfy the Analytical Reasoning and Problem Solving requirement of the Carolina Core then either GEOG 105, ITEC 101, and/or any Intermediate or Advanced course may be substituted in the minor.

Intermediate Courses (6 hours)

Course	Title	Credits
Select two of the following:		6
CSCE 201	Introduction to Computer Security	
CSCE 204	Program Design and Development	
GEOG 341	Cartography	
GEOG 363	Geographic Information Systems	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 245	Introduction to Networking	
ITEC 264	Computer Applications in Business I	
ITEC 265	Introduction to Databases	
MART 210	Digital Media Arts Fundamentals	
ISCI 201	Data, Information & Society	
ISCI 202	Information Literacy and Technology	
Total Credit Hours		6

Note: No course used to satisfy a Carolina Core, Major, or other Minor requirement may be used to satisfy the Applied Computing Minor requirements. In the event of conflict for an Intermediate Course, any Intermediate or Advanced course may be substituted to satisfy the minor.

Advanced Courses (6 hours)

Course	Title	Credits
Select two of the following:		6
GEOG 551	Principles of Remote Sensing	
GEOG 554	Spatial Programming	
GEOG 563	Advanced Geographic Information Systems	
GEOG 564	GIS-Based Modeling	
GEOG 565	Geographic Information System (GIS) Databases and Their Use	
ITEC 362	Introduction to Web Systems	
ITEC 370	Database Systems in Information Technology	
ITEC 445	Advanced Networking	
ITEC 447	Management of Information Technology	
ITEC 493	Information Technology Security for Managers	
ITEC 545	Telecommunications	
ITEC 560	Project Management Methods	
ITEC 562	Advanced Web Support Systems	

ITEC 564	Capstone Project for Information Technology
ITEC 570	Database Management and Administration
MART 371	The Moving Image
MART 380	New Media Art
MART 571C	Moving Image Advanced: Animation
MART 581D	New Media Advanced: Video Game Design
ISCI 301	Text Mining in Big Data Analytics
ISCI 402	Management in Data Driven Organizations
ISCI 420	Information and Communication Needs and Assessment
ISCI 430	User-Centered Information Architecture
ISCI 435	Planning and Sustaining Digital Projects

Total Credit Hours 6

Note: No course used to satisfy a Carolina Core, Major, or other Minor requirement may be used to satisfy the Applied Computing Minor requirements. In the event of conflict for an Advanced Course, any other Advanced course may be substituted to satisfy the minor.

Advisement Tracks

The following tracks are recommended (but not required) for students interested in particular areas within computing. Suggested courses for such tracks are listed below.

Animation

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
CSCE 201	Introduction to Computer Security	3
MART 210	Digital Media Arts Fundamentals	3
MART 371	The Moving Image	3
MART 571C	Moving Image Advanced: Animation	3

Total Credit Hours 18

Databases

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
ITEC 264	Computer Applications in Business I	3
ITEC 265	Introduction to Databases	3
ITEC 370	Database Systems in Information Technology	3
ITEC 570	Database Management and Administration	3

Total Credit Hours 18

Game Design

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
CSCE 201	Introduction to Computer Security	3
MART 210	Digital Media Arts Fundamentals	3
MART 380	New Media Art	3
MART 581D	New Media Advanced: Video Game Design	3

Total Credit Hours 18

Geographic Information Systems

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
GEOG 105	The Digital Earth	3
CSCE 204	Program Design and Development	3
GEOG 363	Geographic Information Systems	3
GEOG 554	Spatial Programming	3
GEOG 563	Advanced Geographic Information Systems	3

Total Credit Hours 18

Geographic Data: Visualization and Application

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
GEOG 105	The Digital Earth	3
GEOG 341	Cartography	3
GEOG 363	Geographic Information Systems	3
GEOG 551	Principles of Remote Sensing	3
GEOG 564	GIS-Based Modeling	3

Total Credit Hours 18

Information Infrastructure

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
CSCE 204	Program Design and Development	3
ISCI 202	Information Literacy and Technology	3
ISCI 402	Management in Data Driven Organizations	3
ISCI 435	Planning and Sustaining Digital Projects	3

Total Credit Hours 18

Information Science

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
CSCE 204	Program Design and Development	3
ISCI 201	Data, Information & Society	3
ISCI 301	Text Mining in Big Data Analytics	3
ISCI 420	Information and Communication Needs and Assessment	3

Total Credit Hours 18

Networking

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
ITEC 233	Introduction to Computer Hardware and Software	3
ITEC 245	Introduction to Networking	3
ITEC 445	Advanced Networking	3
ITEC 545	Telecommunications	3

Total Credit Hours 18

Project Management

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
ITEC 265	Introduction to Databases	3
ITEC 362	Introduction to Web Systems	3
ITEC 560	Project Management Methods	3
ITEC 564	Capstone Project for Information Technology	3
Total Credit Hours		18

Web Development

Course	Title	Credits
CSCE 101	Introduction to Computer Concepts	3
CSCE 102	General Applications Programming	3
CSCE 204	Program Design and Development	3
MART 210	Digital Media Arts Fundamentals	3
ITEC 362	Introduction to Web Systems	3
ITEC 562	Advanced Web Support Systems	3
Total Credit Hours		18

Other Course Substitutions

The university may develop new courses that are appropriate for this minor as a result of rapid advances in computing. A student may substitute such a course for one of the requirements only with the approval of the advisor of the student and the director of the minor.

Computer Engineering, B.S.E.

Accreditation

The Computer Engineering Program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

Learning Outcomes

- Students will demonstrate an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
- Students will demonstrate an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
- Students will demonstrate an ability to communicate effectively with a range of audiences.
- Students will demonstrate an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
- Students will demonstrate an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
- Students will demonstrate an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

- Students will demonstrate an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Computer Engineering B.S.E. program: all Lower Division Computing courses, Computer Engineering Major, Computer Engineering Electives, Electrical Engineering courses, and CSCE 390.

Exclusions

No Computer Engineering course may be counted toward a minor. All other required courses and electives may be used for a minor as appropriate. CSCE 101 and CSCE 102 are not major courses and may not be used for degree credit.

Minimum Course Grades

The Computer Engineering B.S.E. program requires that a grade of "C" or better be earned in each of the following courses: ENGL 101, ENGL 102, MATH 141, MATH 142, MATH 374, PHYS 211, PHYS 211L, and all CSCE courses applied to the degree.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (125-134 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	35-44
2. College Requirements	0

3. Program Requirements	57
4. Major Requirements	33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (35-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

Must be passed with a grade of C or higher.

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L - *must be passed with a grade of C or higher*

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- SPCH 140, SPCH 145 or SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (1 hour)

- CSCE 390 - *must be passed with a grade of C or higher*

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 35 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (57 hours)

Supporting Courses (57 hours)

Course	Title	Credits
Foundational Courses		
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations (must be passed with a grade of C or higher)	3
MATH 344	Applied Linear Algebra	3
MATH 344L	Applied Linear Algebra Lab	1
MATH 374	Discrete Structures (must be passed with a grade of C or higher)	3
PHYS 212	Essentials of Physics II	3
PHYS 212L	Essentials of Physics II Lab	1
STAT 509	Statistics for Engineers	3
ENGL 462	Technical Writing	3
or ENGL 463	Business Writing	
Lower Division Computing		
Must be passed with a grade of C or higher.		
CSCE 145	Algorithmic Design I	4
CSCE 146	Algorithmic Design II	4
CSCE 190	Computing in the Modern World	1
CSCE 211	Digital Logic Design	3
CSCE 212	Introduction to Computer Architecture	3
CSCE 215	UNIX/Linux Fundamentals	1
CSCE 240	Advanced Programming Techniques	3
CSCE 274	Robotic Applications and Design	3
Electrical Engineering		
ELCT 102	Electrical Science (must be passed with a grade of C or higher)	3
ELCT 201	Introductory Electrical Engineering Laboratory	3
ELCT 221	Circuits (must be passed with a grade of C or higher)	3

ELCT 222	Signals and Systems (must be passed with a grade of C or higher)	3
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Total Credit Hours 57

4. Major Requirements (33 hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
Major Courses		
CSCE 311	Operating Systems	3
CSCE 313	Embedded Systems	3
CSCE 350	Data Structures and Algorithms	3
CSCE 416	Introduction to Computer Networks	3
CSCE 490	Capstone Computing Project I	3
CSCE 491	Capstone Computer Engineering Project	3
CSCE 492	Capstone Computing Project II	3
CSCE 611	Advanced Digital Design	3
Major Electives		
Select 9 hours of the following:		9
CSCE 330	Programming Language Structures	
CSCE 355	Foundations of Computation	
ELCT 321	Digital Signal Processing	
ELCT 331	Control Systems	
Other approved CSCE courses numbered 510 and higher		
Total Credit Hours		33

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Computer Engineering, B.S.E.

Computer Information Systems, B.S. Accreditation

The Computer Information Systems Program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Learning Outcomes

At the time of graduation students should satisfy the following Learning Outcomes

- Students will demonstrate an ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Students will demonstrate an ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Communicate effectively in a variety of professional contexts.

- Students will demonstrate an ability to recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Students will demonstrate an ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Students will demonstrate an ability to support the delivery, use, and management of information systems within an information systems environment.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Computer Information Systems B.S. program: all Lower Division Computing courses, Computer Information Systems Major courses, Computer Information Systems Electives, CSCE 145, CSCE 390, and MGSC 290.

Exclusions

No Lower Division Computing, Computer Engineering Major, or Computer Engineering Elective course may be counted toward a minor. All other required courses and electives may be used for a minor as appropriate. CSCE 101 and CSCE 102 are not major courses and may not be used for degree credit.

Minimum Course Grades

The Computer Information Systems B.S. program requires that a grade of "C" or better be earned in each of the following courses: ENGL 101, ENGL 102, MATH 122 or MATH 141, MATH 174 or MATH 374, and all CSCE courses applied to the degree.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (120-128 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-44
2. College Requirements	0
3. Program Requirements	57-59
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United States Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (7-8 hours)

Must be passed with a grade of C or higher.

- CSCE 145
- MATH 122 or MATH 141

SCI – Scientific Literacy (8 hours)

- Two 4-credit hour CC-SCI (p. 741) laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- SPCH 140, SPCH 145 or SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (1 hour)

- CSCE 390 - *must be passed with a grade of C or higher*

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (57-59 hours)

Supporting Courses (39 hours)

Foundational Courses

Course	Title	Credits
ENGL 462 or ENGL 463	Technical Writing Business Writing	3
MATH 174 or MATH 374	Discrete Mathematics for Computer Science ¹ Discrete Structures	3
STAT 509 or STAT 515	Statistics for Engineers Statistical Methods I	3
STAT 516	Statistical Methods II	3
Total Credit Hours		12

¹ MATH 174 and MATH 374 must be passed with a grade of C or higher

Liberal Arts Electives (9 hours)

Select from the following:

- AERO 401, AERO 402
- AFAM 201-AFAM 580
- ANTH 101-ANTH 499
- ARMY 401, ARMY 402
- ARTE 101, ARTE 260
- ARTH 105-ARTH 366
- ARTS 103-ARTS 261
- CHIN 103-CHIN 550
- CLAS 220-CLAS 598

- CPLT 150-CPLT 597
- CRJU 101-CRJU 494
- DANC 101-DANC 381
- ECON 123-ECON 499
- ENGL 270-ENGL 499
- FAMS 180-FAMS 597
- FREN 109-FREN 615
- GEOG 103-GEOG 595
- GERM 109-GERM 615
- HIST 101-HIST 692
- ITAL 101-ITAL 615
- JAPA 121-JAPA 500
- LASP 201-LASP 451
- LATN 109-LATN 615
- LING 101-LING 600, but only one of the LING 300, LING 301, and LING 600 can be used
- MART 110-MART 341
- MUSC 110-MUSC 140
- NAVY 401, NAVY 402
- PHIL 101-PHIL 109, PHIL 112-PHIL 598
- POLI 101-POLI 499
- PORT 121-PORT 615
- PSYC 101-PSYC 499
- RELG 101-RELG 552
- RUSS 121-RUSS 616
- SOCY 101-SOCY 499
- SOST 101-SOST 500
- SPAN 109-SPAN 615
- THEA 170-THEA 565
- WGST 112-WGST 555

Lower Division Computing (18 hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
CSCE 146	Algorithmic Design II	4
CSCE 190	Computing in the Modern World	1
CSCE 201	Introduction to Computer Security	3
CSCE 210	Computer Hardware Foundations	3
CSCE 215	UNIX/Linux Fundamentals	1
CSCE 240	Advanced Programming Techniques	3
CSCE 247	Software Engineering	3
Total Credit Hours		18

Minor in Business Information Management (18 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
ACCT 222	Survey of Accounting	3
MGMT 371	Principles of Management	3
MGSC 290	Computer Information Systems in Business	3

Electives

Select two of the following:		6
ACCT 324	Survey of Commercial Law	
ECON 311	Issues in Economics	

ECON 379	Government Policy Toward Business
FINA 333	Finance and Markets
IBUS 301	Introduction to International Business
MGMT 472	Entrepreneurship and Small Business
MKTG 350	Principles of Marketing
MKTG 351	Consumer Behavior
MGSC 395	Operations Management

Total Credit Hours **18**

Elective (0-2 hours)

The CIS curriculum includes 0-2 hours of electives depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement (including additional electives in the major).

4. Major Requirements (27 hours)

Must be passed with a grade of C or higher.

Major Courses (24 hours)

Course	Title	Credits
CSCE 205	Business Applications Programming	3
or CSCE 242	Client-Server Computing	
CSCE 350	Data Structures and Algorithms	3
CSCE 416	Introduction to Computer Networks	3
CSCE 490	Capstone Computing Project I	3
CSCE 492	Capstone Computing Project II	3
CSCE 520	Database System Design	3
CSCE 522	Information Security Principles	3
CSCE 594	Strategic Management of Information Systems	3

Total Credit Hours **24**

Major Elective (3 hours)

Course	Title	Credits
Select one of the following:		3
ITEC 447	Management of Information Technology	
ITEC 560	Project Management Methods	
Select an approved CSCE course, 510 and higher		

Total Credit Hours **3**

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Computer Information Systems, B.S.

Computer Science Minor

Students majoring in Computer Engineering or Computer Information Systems may not earn the Computer Science minor.

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
CSCE 145	Algorithmic Design I	4
CSCE 146	Algorithmic Design II	4
CSCE 215	UNIX/Linux Fundamentals	1
Additional Courses:		
Select any 9 credit hours of the following:		9
All CSCE courses numbered 201 or above (except CSCE 204, CSCE 205, and CSCE 206)		
MATH 174	Discrete Mathematics for Computer Science or MATH 374 Discrete Structures or MATH 574 Discrete Mathematics I	
Total Credit Hours		18

Note: Students cannot receive credit for both CSCE 210 and CSCE 212.

Computer Science, B.S.C.S.

Accreditation

The Computer Science Program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Learning Outcomes

At the time of graduation students should satisfy the following Learning Outcomes.

- Students will demonstrate an ability to analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Students will demonstrate an ability to design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
- Students will demonstrate an ability to communicate effectively in a variety of professional contexts.
- Students will recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Students will demonstrate the ability to function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
- Students will demonstrate the ability to apply computer science theory and software development fundamentals to produce computing-based solutions.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Computer Science B.S.C.S. program: all Lower Division Computing, Computer Science Major, and Computer Science Elective courses, and CSCE 390.

Exclusions

No Lower Division Computing, Computer Engineering Major, or Computer Engineering Elective course may be counted toward a minor. All other required courses and electives may be used for a minor as appropriate. CSCE 101 and CSCE 102 are not major courses and may not be used for degree credit.

Minimum Course Grades

The Computer Science B.S.C.S. program requires that a grade of "C" or better be earned in each of the following courses: ENGL 101, ENGL 102, MATH 141, MATH 142, MATH 374, CHEM 111, CHEM 111L, or PHYS 211, and all CSCE courses applied to the degree.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (125 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	35-44
2. College Requirements	0
3. Program Requirements	60
4. Major Requirements	30

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina

Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (35-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

Must be passed with a grade of C or higher.

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

Select **all** of **one** of the following:

Either

- CHEM 111 & CHEM 111L - *both must be passed with a grade of C or higher*
- CHEM 112 & CHEM 112L (both not approved for CC-SCI)

or

- PHYS 211 & PHYS 211L - *both must be passed with a grade of C or higher*
- PHYS 212 & PHYS 212L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (3 hours)

- SPCH 140, SPCH 145, or SPCH 230

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (1 hour)

- CSCE 390 - *must be passed with a grade of C or higher*

¹ Carolina Core Stand Alone or Overlay Eligible Requirements – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 35 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (60 hours)

Supporting Courses (60 hours)

Foundational Courses (16 hours)

Course	Title	Credits
MATH 241	Vector Calculus	3
MATH 344	Applied Linear Algebra	3
MATH 344L	Applied Linear Algebra Lab	1
MATH 374	Discrete Structures (must be passed with a grade of C or higher)	3
STAT 509	Statistics for Engineers	3
ENGL 462 or ENGL 463	Technical Writing Business Writing	3
Total Credit Hours		16

Laboratory Science Elective (4 hours)

Course	Title	Credits
Select one of the following:		
ANTH 161	Human Origins: An Introduction to Biological Anthropology	4
ASTR 101	Introduction to Astronomy	
BIOL 101 & 101L	Biological Principles I and Biological Principles I Laboratory	
BIOL 110	General Biology	
CHEM 111 & 111L	General Chemistry I and General Chemistry I Lab	
CHEM 141	Principles of Chemistry I	
ENVR 101 & 101L	Introduction to the Environment and Introduction to the Environment Lab	
ENVR 200	Natural History of South Carolina	
GEOG 201	Landform Geography	
GEOG 202	Weather and Climate	
GEOL 101	Introduction to the Earth	
GEOL 103	Environment of the Earth	
GEOL 201	Observing the Earth	
GEOL 215 & 215L	Coastal Environments of the Southeastern U.S. and Coastal Environments of the Southeastern U.S. (Laboratory)	
GEOL 302	Rocks and Minerals	

MSCI 101	The Ocean Environment	
MSCI 102	The Living Ocean	
MSCI 210 & 210L	Oceans and Society and Oceans and Society Laboratory	
MSCI 215 & 215L	Coastal Environments of the Southeastern US and Coastal Environments of the Southeastern U.S. (Laboratory)	
PHYS 211 & 211L	Essentials of Physics I and Essentials of Physics I Lab	
Total Credit Hours		4

Liberal Arts Electives (9 hours)

Select 9 hours of the following:

AERO 401, AERO 402
 AFAM 201-AFAM 580
 ANTH 101-ANTH 499
 ARMY 401, ARMY 402
 ARTE 101, ARTE 260
 ARTH 105-ARTH 366
 ARTS 103-ARTS 261
 CHIN 103-CHIN 550
 CLAS 220-CLAS 598
 CPLT 150-CPLT 597
 CRJU 101-CRJU 494
 DANC 101-DANC 381
 ECON 123-ECON 499
 ENGL 270-ENGL 499
 FAMS 180-FAMS 597
 FREN 109-FREN 615
 GEOG 103-GEOG 595
 GERM 109-GERM 615
 HIST 101-HIST 692
 ITAL 101-ITAL 615
 JAPA 121-JAPA 500
 LASP 201-LASP 451
 LATN 109-LATN 615
 LING 101- LING 600, but only one of LING 300, LING 301, and LING 600
 can be used
 MART 110-MART 341
 MUSC 110-MUSC 140
 NAVY 401, NAVY 402
 PHIL 101-PHIL 109, PHIL 112-PHIL 598
 POLI 101-POLI 499
 PORT 121-PORT 615
 PSYC 101-PSYC 499
 RELG 101-RELG 552
 RUSS 121-RUSS 616
 SOCY 101-SOCY 499
 SOST 101-SOST 500
 SPAN 109-SPAN 615
 THEA 170-THEA 565
 WGST 112-WGST 555

Lower Division Computing (22 hours)

Must be passed with a grade of C or higher:

Course	Title	Credits
CSC 145	Algorithmic Design I	4
CSC 146	Algorithmic Design II	4
CSC 190	Computing in the Modern World	1

CSC 211	Digital Logic Design	3
CSC 212	Introduction to Computer Architecture	3
CSC 215	UNIX/Linux Fundamentals	1
CSC 240	Advanced Programming Techniques	3
CSC 247	Software Engineering	3
Total Credit Hours		22

Application Area (9 hours)

An application area consists of three courses (9 hours) that display a distinct curricular pattern that is different from computer science. Any three non-CSCE courses that are from one department or are a subset of a defined minor, and that are each 3 credit hours or more, may satisfy this requirement. Students may petition the department for approval of other sets of application area courses.

4. Major Requirements (30 hours)

Must be passed with a grade of C or higher.

Major Courses (21 hours)

Course	Title	Credits
CSC 311	Operating Systems	3
CSC 330	Programming Language Structures	3
CSC 350	Data Structures and Algorithms	3
CSC 355	Foundations of Computation	3
CSC 416	Introduction to Computer Networks	3
CSC 490	Capstone Computing Project I	3
CSC 492	Capstone Computing Project II	3
Total Credit Hours		21

Major Electives (9 hours)

Course	Title	Credits
Select from the following:		9
CSC 317 or any CSCE course 500 or higher		
Select any approved CSCE courses, 500 and higher		
Total Credit Hours		9

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Computer Science, B.S.C.S.

Data Science Minor

The Minor in Data Science is jointly offered by the Department of Statistics and the Department of Computer Science and Engineering.

It is designed for students in any discipline that uses large data sets, including the sciences, engineering, business, mathematics, and the social sciences.

Degree Requirements (18-19 Hours)

Prerequisites (8 hours)

Course	Title	Credits
MATH 122	Calculus for Business Administration and Social Sciences	3
or MATH 141	Calculus I	

Total Credit Hours 3

Minor Requirements (18 or 19 Hours)

Course	Title	Credits
Required Foundation Course		
CSCE 145	Algorithmic Design I	4
or CSCE 206	Scientific Applications Programming	

Core Computing Courses

CSCE 587	Big Data Analytics	3
CSCE 567	Visualization Tools	3

Core Statistics Courses

STAT 509	Statistics for Engineers	3
or STAT 515	Statistical Methods I	
STAT 530	Applied Multivariate Statistics and Data Mining	3

Elective Course

Select one of the following: 3

Options requiring no additional pre-requisites:

CSCE 146	Algorithmic Design II	
STAT 516	Statistical Methods II	

Options requiring additional pre-requisites:

MATH 344	Applied Linear Algebra	
CSCE 520	Database System Design	
CSCE 564	Computational Science	
CSCE 569	Parallel Computing	
CSCE 582	Bayesian Networks and Decision Graphs	
STAT 511	Probability	
STAT 512	Mathematical Statistics	
STAT 517	Advanced Statistical Models	
STAT 535	Introduction to Bayesian Data Analysis	
STAT 582	Bayesian Networks and Decision Graphs	

Total Credit Hours 19

Note: The Data Science Minor is designed for students in any discipline that uses large data sets, including Biology, Business, Mathematics, Psychology, etc. Choosing the correct courses is more complicated for students majoring in Computer Engineering, Computer Science, Computer Information Systems, and Statistics.

Course Substitutions

No course used to satisfy a Carolina Core, major, or other minor requirement may be used for the Data Science Minor. In the event of conflict, any elective course may be substituted for a required course in this minor.

Administration of the Minor

Curricula and other decisions of the minor will be made by a committee composed of two faculty appointed by the Chair of Statistics and two faculty appointed by the Chair of Computer Science and Engineering.

Electrical Engineering

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/electrical_engineering/)

Mohammad Ali, *Chair*

Electrical engineers create electronic devices, circuits, and systems that create, process, or distribute information and energy. Graduates of this program are prepared for a wide range of professional practice through a combination of core and career plan courses. The first two years of study establish a technical foundation in math, science, and engineering principles and a responsible social foundation in the liberal arts. The last two years of study focus each student's interest into a specialty area appropriate to their own career objectives. The department's web site describes a wide range of sample career plans, ranging from renewable energy systems to 5G communication networks. The department is well-known for its outstanding hands-on laboratory sequence and for encouraging highly talented and motivated undergraduate students to participate in its many research programs. The rapid pace of developments in electrical engineering requires that graduates make strong commitments to lifelong learning, and it ensures that graduates will be presented with many exciting and diverse opportunities throughout their professional careers.

Accelerated BSE/Graduate Program

Qualifying Electrical Engineering majors can enroll in the Accelerated bachelors/graduate degree program and then earn graduate credit for up to 12 credit hours of courses that can also be applied to their baccalaureate program. These students can typically complete a graduate degree (ME, MS, or PhD) one to two semesters faster than would otherwise be possible. Requirements for this program appear on the College of Engineering and Computing pages.

Programs

- Electrical Engineering Minor (p. 393)
- Electrical Engineering, B.S.E. (p. 394)

Courses

ELCT 101 - Electrical and Electronics Engineering (1 Credit)

Introductions to: the profession of electrical engineering; the wide range of sub-disciplines that make electrical engineering so valuable in improving the human condition; the role of electrical engineers in society; and the role of electrical engineering students in the university.

ELCT 102 - Electrical Science (3 Credits)

Fundamentals of electrical and electronic components. Basic network laws. Mathematical and computer tools for network analysis.

Prerequisite or Corequisite: MATH 141

ELCT 201 - Introductory Electrical Engineering Laboratory (3 Credits)

Laboratory procedures, instrumentation and measurements, report writing, computer use in system design, testing, and troubleshooting. Integrative project-based learning environment including passive, active, electronic and electromechanical systems.

Prerequisites: C or better in ENGL 102 and C or better in CSCE 211.

Prerequisite or Corequisite: ELCT 222.

ELCT 220 - Electrical Engineering for Non-Majors (3 Credits)

Fundamentals of electrical engineering for mechanical, chemical, or other engineering disciplines, including electric circuits, measurements, data acquisition, sensors, motors, and controllers.

Prerequisites: MATH 142.

ELCT 221 - Circuits (3 Credits)

Analysis of linear ac circuits using complex variables. Nodal and mesh analysis, Thevenin and Norton transformations, linearity, superposition, use of math solvers, circuit simulators, and computer-interfaced instrumentation.

Prerequisites: C or better in MATH 142; C or better in either ELCT 102 or AESP 265 or D or better in ELCT 220.

ELCT 222 - Signals and Systems (3 Credits)

Analysis of continuous-time signals and systems in time and frequency domains, Fourier series and transforms, Laplace transforms; introduction to discrete-time signals.

Prerequisites: C or better in ELCT 221 and in MATH 242.

ELCT 301 - Electronics Laboratory (3 Credits)

Design and implementation of analog and digital electronic circuits, with emphasis on developing deep individual understanding of curriculum-spanning concepts.

Prerequisites: D or better in ELCT 201.

Prerequisite or Corequisite: D or better in ELCT 371.

ELCT 302 - Real Time Systems Laboratory (3 Credits)

Team-oriented application of sensing, measurement, and real time embedded digital control for autonomous vehicular systems. Requirements analysis, system modeling, software/hardware integration, report writing, development of teaming skills.

Prerequisites: D or better in ELCT 301.

Prerequisite or Corequisite: D or better in ELCT 331.

ELCT 321 - Digital Signal Processing (3 Credits)

An introduction to analysis, design and applications of discrete time systems; z- and discrete Fourier transforms; frequency and impulse responses, FIR and IIR filters.

Prerequisites: C or better in ELCT 222.

ELCT 331 - Control Systems (3 Credits)

Fundamentals of control systems. Analysis and design of control systems using physical system models. State variables, steady-state error, time- and frequency-responses, control system stability. Root locus analysis and controller design – PI, PD, PID, lead-lag compensator. Nyquist stability criterion.

Prerequisites: C or better in ELCT 222.

ELCT 350 - Computer Modeling of Electrical Systems (3 Credits)

Formulation of physics-based dynamic models of electrical or electromechanical systems. Solving dynamic equations of electrical systems in discrete time. Use of object oriented programming language (e.g., C++) and computer tools (e.g, MATLAB, virtual test bed) for solving dynamic equations of electrical systems.

Prerequisites: C or better in ELCT 222, C or better in CSCE 145.

ELCT 361 - Electromagnetics (3 Credits)

Basic concepts of electric and magnetic fields, including electrostatics, magnetostatics, and quasi-statics with computer applications.

Prerequisites: PHYS 212 and MATH 241.

ELCT 363 - Introduction to Microelectronics (3 Credits)

Properties and characteristics of semiconductor materials, p-n and semiconductor-metal junctions. Basic properties, characteristics and operation of diodes and transistors.

Prerequisites: C or better in CHEM 111, PHYS 212.

Prerequisite or Corequisite: C or better in MATH 241.

ELCT 371 - Electronics (3 Credits)

Introduction to design and analysis of electronic circuits and systems. Applications of amplifiers, op-amps, diodes, bipolar and field-effect transistors in analog and digital circuits.

Prerequisites: C or better in ELCT 222.

ELCT 403 - Capstone Design Project I (3 Credits)

Planning, preliminary design, and prototyping. Analysis and specification of system and subsystem requirements, measures of performance, analysis of alternatives, effective team work. Project management and scheduling. Prototype implementation and characterization. This course should be taken during student's penultimate semester.

Prerequisites: D or better in ELCT 302.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ELCT 404 - Capstone Design Project II (3 Credits)

Continuation of Capstone Design Project I. Final design and implementation including design iteration, design for reliability, system integration and characterization, business case development.

Prerequisites: D or better in ELCT 403.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

Experiential Learning: Experiential Learning Opportunity

ELCT 430 - Industrial Controls (3 Credits)

The embedded electronics and software used in data acquisition, and process and instrument control in an industrial or manufacturing environment.

Prerequisites: ELCT 331.

ELCT 432 - Fundamentals of Communication Systems (3 Credits)

Introduction to communication systems, sampling theorem, modulation theory, multiplexing, phase-lock loops, and related topics.

Prerequisite or Corequisite: ELCT 321 and STAT 509.

ELCT 451 - Power Systems Design and Analysis (3 Credits)

Electric power systems including transformer fundamentals, per-unit analysis, transmission and distribution line design, and power flow analysis.

Prerequisites: C or better in ELCT 220 or ELCT 221.

ELCT 499 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of 3 credits total may be applied toward a degree. Advanced approval of project proposal by instructor and department advisor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ELCT 510 - Photovoltaic Materials and Devices (3 Credits)

Fundamentals of photovoltaic solar cell technologies. Design and operation of solar cells, including efficiency analysis and cost benefit. Applications to green and sustainable energy systems.

Prerequisites: C or better in ELCT 363.

ELCT 521 - Introduction to Microwaves (3 Credits)

Introduction to plane electromagnetic wave propagation, transmission lines, transmission line equations, input impedance, waveguides and cavities, antennas and antenna arrays, microwave modeling.

Prerequisites: ELCT 361 or PHYS 504.

ELCT 531 - Digital Control Systems (3 Credits)

Analysis and design of discrete-time control systems, implementation of control systems using digital electronic systems. Applications to electrical systems.

Prerequisites: ELCT 331.

ELCT 533 - System Health Management (3 Credits)

Sensing, data acquisition, and data processing for evaluation of performance and system health. Integration and implementation of health management systems.

Prerequisites: ELCT 321 or equivalent.

ELCT 541 - Sensors for Biomedicine (3 Credits)

Operating principles and design of bioelectric sensors and sensor systems for medical applications.

Prerequisites: C or better in ELCT 361, ELCT 363 and ELCT 371.

ELCT 553 - Electromechanical Energy Conversion (3 Credits)

Analysis and design of electromechanical energy conversion systems, including electrical machines and electronic drives.

Prerequisites: D or better in ELCT 331, ELCT 361 and ELCT 451.

ELCT 554 - Integration of Photovoltaics in Modern Power Systems (3 Credits)

Analysis and design of power systems in presence of photovoltaic generation with focus on protection systems, control, power quality.

Prerequisites: ELCT 551.

ELCT 559 - Special Topics in Distributed Energy Resources for Electric Energy Systems (3 Credits)

Special topics in distributed energy resources for modern electrical energy systems. Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

Prerequisite or Corequisite: ELCT 551.

ELCT 562 - Wireless Communications (3 Credits)

Fourier techniques and stochastic processes review, multiple access & cellular techniques, signal space representations for signals and noise, baseband modulations and optimal receivers in additive white Gaussian noise, bandpass and higher-order modulations, mobile & wireless propagation channel characteristics, effects of bandlimiting & distortion mitigation, diversity techniques.

Prerequisites: ELCT 332, ELCT 361.

ELCT 563 - Semiconductor Devices for Power, Communications and Lighting (3 Credits)

Operational principles and characteristics of electronic and optoelectronic semiconductor devices including MOSFETs and high electron mobility transistors (HEMTs) for power electronics, electric cars and high-speed communications, light emitting diodes and lasers for solid state lighting, displays and optical communication, solar cells for green power generation.

Prerequisites: D or better in ELCT 363.

ELCT 564 - RF Circuit Design for Wireless Communications (3 Credits)

RF design fundamentals, lumped elements, transmission line theory, transmission lines and waveguides, S-parameters, impedance matching, microwave resonators.

Prerequisites: ELCT 361.

ELCT 572 - Power Electronics (3 Credits)

Basic analysis and design of solid-state power electronic devices and circuitry.

Prerequisites: D or better in ELCT 371.

Prerequisite or Corequisite: D or better in ELCT 331.

ELCT 574 - Semiconductor Materials and Device Characterization (3 Credits)

Semiconductor material and device characterization; resistivity, carrier and doping density, contact resistance, Schottky barriers, series resistance, defects, trapped charges, and carrier lifetime.

Prerequisites: ELCT 363 or equivalent.

ELCT 582 - Semiconductor Laboratory (3 Credits)

Prerequisite: ELCT 363.

Electrical Engineering Minor

Prerequisite Courses (11 hours)

Course	Title	Credits
MATH 141	Calculus I	4
MATH 142	Calculus II	4
MATH 242	Elementary Differential Equations	3
Total Credit Hours		11

Minor Requirements (18 Hours)

The minor in Electrical Engineering requires the completion of at least 18 credit hours consisting of four core courses and two approved elective courses that make a coherent sequence, composed as follows:

Course	Title	Credits
Required Core Courses		
ELCT 102 or ELCT 220	Electrical Science Electrical Engineering for Non-Majors	3
ELCT 221	Circuits	3
ELCT 222	Signals and Systems	3
ELCT 371	Electronics	3
Required Intermediate Course		
Select any ELCT course at the 300-level		3
Required Advanced Course		

Select any 500-level ELCT course ¹	3
Total Credit Hours	18

¹ Note that 500-level courses generally have a prerequisite at the 300-level, so the Intermediate and Advanced courses should be chosen consistently. Some 500-level courses may have two prerequisites at the 300-level, which could then require taking an additional three hours.

Recommended or Examples of Sequences

The following sequences of Intermediate and Advanced courses are suggested as examples. Many other sequences are possible. A student's particular sequence should be chosen in consultation with an EE faculty advisor.

For Interest in Manufacturing Industries

Course	Title	Credits
ELCT 331	Control Systems	3
ELCT 430	Industrial Controls	3
Total Credit Hours		6

For Interest in Renewable Energy Industries

Course	Title	Credits
ELCT 363	Introduction to Microelectronics	3
ELCT 510	Photovoltaic Materials and Devices	3
Total Credit Hours		6

For Interest in Electric Power or Electric Utility Industries

Course	Title	Credits
ELCT 331	Control Systems	3
ELCT 451	Power Systems Design and Analysis	3
Total Credit Hours		6

For Interest in Power Electronics, Power Conversion, Electrical Propulsion, and Actuation for Automobiles, Aircraft, Robotics

Course	Title	Credits
ELCT 331	Control Systems	3
ELCT 572	Power Electronics	3
Total Credit Hours		6

For Interest in Wireless Data Communications and Microwave Electronics

Course	Title	Credits
ELCT 361	Electromagnetics	3
ELCT 564	RF Circuit Design for Wireless Communications	3
Total Credit Hours		6

For Interest in Semiconductor Devices or Optoelectronics Devices or Sensors

Course	Title	Credits
ELCT 363	Introduction to Microelectronics	3
ELCT 563	Semiconductor Devices for Power, Communications and Lighting	3
Total Credit Hours		6

Electrical Engineering, B.S.E.

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. An ability to communicate effectively with a range of audiences.
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Electrical Engineering B.S.E. program: all Lower Division Engineering courses, all Electrical Engineering Major courses, and all Career Plan Elective courses.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (127-141 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	0
3. Program Requirements	66-68
4. Major Requirements	27

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United States Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher.

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

Must be passed with a grade of C or higher.

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

Must be passed with a grade of C or higher.

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (66-68 hours)

Supporting Courses (66-68 hours)

Course	Title	Credits
Foundational Courses		
UNIV 101	The Student in the University	3
EMCH 220	Mechanical Engineering Fundamentals for Non-Majors	3
MATH 241	Vector Calculus (must be passed with a grade of C or higher)	3
MATH 242	Elementary Differential Equations (must be passed with a grade of C or higher)	3
PHYS 212	Essentials of Physics II (must be passed with a grade of C or higher)	3
PHYS 212L	Essentials of Physics II Lab (must be passed with a grade of C or higher)	1
STAT 509	Statistics for Engineers	3
Lower Division Engineering		
CSCE 145	Algorithmic Design I (must be passed with a grade of C or higher)	4
CSCE 211	Digital Logic Design (must be passed with a grade of C or higher)	3
CSCE 212	Introduction to Computer Architecture	3

CSCE 313	Embedded Systems	3
ELCT 101 or ENCP 101	Electrical and Electronics Engineering Introduction to Engineering I	1-3
ELCT 102	Electrical Science	3
ELCT 201	Introductory Electrical Engineering Laboratory	3
ELCT 221	Circuits (must be passed with a grade of C or higher)	3
ELCT 222	Signals and Systems (must be passed with a grade of C or higher)	3

Total Credit Hours 45-47

Career Plan Electives (18 hours)

The student will select 18 hours of Career Plan Electives. These include ELCT 432 and all ELCT courses numbered 430 and higher. These may include up to 6 hours of non-ELCT courses at the 300 level or higher with department approval. Other courses may be approved by the department. Courses can not duplicate a course otherwise applied to the degree.

General Elective (3 hours)

The student will select an additional 3 credit hours to satisfy the General Elective. These include any university course that does not essentially duplicate a course otherwise applied to the degree.

4. Major Requirements (27 hours)

Course	Title	Credits
ELCT 301	Electronics Laboratory	3
ELCT 302	Real Time Systems Laboratory	3
ELCT 321	Digital Signal Processing	3
ELCT 331	Control Systems	3
ELCT 361	Electromagnetics	3
ELCT 363	Introduction to Microelectronics	3
ELCT 371	Electronics	3
ELCT 403	Capstone Design Project I	3
ELCT 404	Capstone Design Project II	3
Total Credit Hours		27

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Electrical Engineering, B.S.E.

Integrated Information Technology

Department Website (https://sc.edu/study/colleges_schools/engineering_and_computing/study/integrated_information_technology/)

Elizabeth A. Regan, Chair

The College of Engineering and Computing offers a bachelor of science degree with a major in integrated information technology.

Programs

- Cybersecurity Operations, Minor (<https://academicbulletins.sc.edu/undergraduate/engineering-computing/integrated-information-technology/cybersecurity-operations-minor/>)
- Integrated Information Technology Minor (p. 398)
- Integrated Information Technology, B.S. (p. 398)

Courses

ITEC 101 - Thriving in the Tech Age (3 Credits)

Pervasive impact of computers on today's global society; skills and strategies for using technology. How information technologies impact daily life and drive change.

ITEC 143 - Advanced Business Document Preparation (3 Credits)

Emphasis on production and versatility in preparing business documents. Not for TSTM majors. For business teacher certification.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ITEC 204 - Program Design and Development (3 Credits)

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.
Prerequisites: C or better in either CSCE 101, MGSC 290 or ITEC 264.

Cross-listed course: CSCE 204, MGSC 298

ITEC 233 - Introduction to Computer Hardware and Software (3 Credits)

Understanding of current computer hardware and software through computer building, repairing, and troubleshooting.

ITEC 242 - Business Communications (3 Credits)

Theory and processes in written business communications; composing effective business letters and reports.

Prerequisites: C or better in both ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ITEC 243 - Word Processing Concepts and Technology (3 Credits)

Introduction to word processing concepts and applications.

Prerequisites: keyboarding.

ITEC 245 - Introduction to Networking (3 Credits)

Understanding the essential concepts of computer networks, including standards, topologies, security, media, switching, routing, and more.

Prerequisites: C or better in ITEC 233.

ITEC 264 - Computer Applications in Business I (3 Credits)

Survey of core skills and techniques for spreadsheet design and analysis of business problems.

ITEC 265 - Introduction to Databases (3 Credits)

Fundamentals of modern database design and applications.

ITEC 270 - Records Control (3 Credits)

Analysis and control of office records including creation, processing, maintenance, protection, and disposition.

Prerequisites: ITEC 264.

ITEC 293 - Cybersecurity Operations (3 Credits)

Operations in Security Operations Centers (SOC). Securing information systems by monitoring, analyzing, detecting, and responding to security events.

Prerequisites: C or better in ITEC 233 or CSCE 145.

ITEC 301 - Professional Internship Seminar (3 Credits)

Preparation for professional internship.

Prerequisites: C or better in both ITEC 242 and ITEC 370.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ITEC 352 - Software Design (3 Credits)

Survey of core software development principles, application development from pseudocode and flow charting through coding process.

Prerequisites: C or better in CSCE 204 or ITEC 204.

ITEC 362 - Introduction to Web Systems (3 Credits)

Introduction to web based systems, including HTML, CSS, and JavaScript; working with Content Management systems (Wordpress, Joomla); Accessibility, SEO, and web development best practices.

Prerequisites: C or better in either ITEC 101, CSCE 101, or CSCE 102.

ITEC 370 - Database Systems in Information Technology (3 Credits)

Survey of techniques for working with enterprise-level database systems.

Prerequisites: C or better in ITEC 265.

ITEC 390 - Special Topics in Information Technology (1-3 Credits)

Advanced concepts, issues, and trends in information technology. Course content varies and will be announced in the schedule of classes by title. May be taken twice for credit.

ITEC 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ITEC 444 - Introduction to Human Computer Interaction (3 Credits)

Human computer interaction: human factors of interactive software, methods to develop and assess interfaces, interaction styles, and design considerations.

Prerequisites: C or better in CSCE 204, ITEC 204, or CSCE 145; C or better in ITEC 362.

Graduation with Leadership Distinction: GLD: Research

ITEC 445 - Advanced Networking (3 Credits)

Advanced administration of client/server networks with major emphasis on network operating system software.

Prerequisites: C or better in ITEC 245.

ITEC 447 - Management of Information Technology (3 Credits)

Overview of current practices and trends in end-user technology and information system management.

Prerequisites: C or better in ITEC 101 and ITEC 245.

ITEC 475 - Mainframe Systems (3 Credits)

Introduction to the large scale computer systems used by businesses to support thousands of simultaneous users and process millions of transactions.

Prerequisites: C or better in ITEC 352, or C or better in CSCE 146.

Cross-listed course: CSCE 415

ITEC 476 - Job Control Language (3 Credits)

Programming in job control language used to process batch jobs on mainframe computers. Use of standard system utility programs.

Prerequisites: C or better in ITEC 352, or C or better in CSCE 146.

ITEC 493 - Information Technology Security for Managers (3 Credits)

Information technology security from a managerial perspective, including security awareness, risk assessment, and security policy development.

Prerequisites: C or better in ITEC 445.

ITEC 495 - Professional Internship (6 Credits)

Internship coordinated by a faculty member and supervised by an approved business supervisor. Contract approved by instructor, advisor, and department head is required for undergraduate students.

Prerequisites: C or better in ITEC 301.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

ITEC 510 - Emerging Information Technology Trends (3 Credits)

Survey of emerging information technology (IT) trends, featuring IT industry professionals presenting disruptive and emerging information technologies being developed and/or adopted by businesses within South Carolina.

ITEC 534 - Advanced Human Computer Interaction (3 Credits)

Review of current trends & challenges of human-computer interaction, the design of emerging technologies including AI-driven technologies, such as chatbot design, Internet of Things design, and human-robot interaction design, biometric evaluation methods, and usability testing with AI-driven emerging technologies.

Prerequisites: B or better in ITEC 444 or ITEC 762.

ITEC 544 - Training Systems (3 Credits)

Theory, design, and implementation of technology-based training systems, including hardware and software solutions.

Prerequisites: C or better in ITEC 444.

ITEC 545 - Telecommunications (3 Credits)

Telecommunications systems, applications, and equipment allowing for the global dissemination of information.

Prerequisites: C or better in ITEC 245.

ITEC 552 - Linux Programming and Administration (3 Credits)

Shell scripting and administration in the Linux operating system.

Prerequisites: C or better in CSCE 204 or CSCE 145.

ITEC 560 - Project Management Methods (3 Credits)

Project management principles and standard practices, including software applications for project management.

Prerequisites: C or better in ITEC 362; and C or better in either ITEC 264 or MGSC 290.

ITEC 562 - Advanced Web Support Systems (3 Credits)

The development of advanced, dynamic, Web-based information systems, including the integration of back-end database-records management systems.

Prerequisites: C or better in ITEC 362.

ITEC 564 - Capstone Project for Information Technology (3 Credits)

Application of project management software, technologies, and practices to the design and implementation of real-world capstone projects.

Prerequisites: C or better in both ITEC 362 and ITEC 560.

ITEC 570 - Database Management and Administration (3 Credits)

Introduction to database administration and implementation using an enterprise-level Relational Database Management System (RDBMS).

Prerequisites: C or better in ITEC 370.

ITEC 590 - Special Topics in Integrated Information Technology (3 Credits)

Advanced concepts, issues, and trends in technology support and training management. Course content varies and will be announced in the schedule of classes by title. May be repeated twice for credit.

Integrated Information Technology Minor

Minor Requirements

Course	Title	Credits
Required		
ITEC 101	Thriving in the Tech Age	3
ITEC 233	Introduction to Computer Hardware and Software	3
Electives		12
Select 12 hours of ITEC courses, excluding ITEC 143, ITEC 242, ITEC 243, ITEC 270, and ITEC 472. ¹		
Advisement Tracks		
The following tracks are recommended (but not required) for students interested in particular areas within computing. Suggested courses are listed below.		
Cybersecurity Operations		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 245	Introduction to Networking	
ITEC 293	Cybersecurity Operations	
ITEC 445	Advanced Networking	
ITEC 493	Information Technology Security for Managers	
IT Business Operations		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
Select four of the following:		
ITEC 245	Introduction to Networking	
ITEC 564	Capstone Project for Information Technology	
ITEC 265	Introduction to Databases	
ITEC 293	Cybersecurity Operations	
ITEC 447	Management of Information Technology	
Databases		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 264	Computer Applications in Business I	
ITEC 265	Introduction to Databases	
ITEC 370	Database Systems in Information Technology	
ITEC 570	Database Management and Administration	
Networking		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 245	Introduction to Networking	
ITEC 445	Advanced Networking	
Select two of the following:		
ITEC 293	Cybersecurity Operations	
ITEC 493	Information Technology Security for Managers	
ITEC 545	Telecommunications	

Project Management		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 264	Computer Applications in Business I	
ITEC 362	Introduction to Web Systems	
ITEC 560	Project Management Methods	
ITEC 564	Capstone Project for Information Technology	
Web Development		18
ITEC 101	Thriving in the Tech Age	
ITEC 233	Introduction to Computer Hardware and Software	
ITEC 362	Introduction to Web Systems	
ITEC 562	Advanced Web Support Systems	
Select one of the following:		
ITEC 245	Introduction to Networking	
ITEC 264	Computer Applications in Business I	
ITEC 265	Introduction to Databases	
Select one ITEC elective		

¹ Some may require pre-requisite courses.

Note: No course used to satisfy a Carolina Core, Major, or other Minor requirement may be used to satisfy the Integrated Information Technology Minor requirements. In the event of conflict for an Elective Course, any other ITEC Elective course may be substituted to satisfy the minor.

Integrated Information Technology, B.S.

Accreditation

The Integrated Information Technology program is accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Learning Outcomes

- Students will analyze a complex computing problem and apply principles of computing and other relevant disciplines to identify solutions. (1)
- Students will design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the IT discipline. (2)
- Students will communicate effectively in a variety of professional contexts. (3)
- Students will recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles. (4)
- Students will function effectively as a member or leader of a team engaged in activities appropriate to the IT discipline. (5)
- Students will identify and analyze user needs and take them into account in the selection, creation, integration, evaluation, and administration of computing-based systems. (6)

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing (p. 354) section of this bulletin. For the

purpose of these policies, the following courses are used to determine the Program GPA for the Integrated Information Technology B.S. program: all Lower Division Integrated Information Technology courses, all Integrated Information Technology Major courses and all Major Elective courses.

Minimum Course Grades

The Integrated Information Technology B.S. program requires that a grade of “C” or better be earned in MATH 174 and all ITEC courses applied to the degree.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of “C” or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of “C” or better.

Degree Requirements (120 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	41-56
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United States Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that

meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101 - *must be passed with a grade of C or higher*
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

- MATH 174 - *must be passed with a grade of C or higher*
- STAT 201 or STAT 205

SCI – Scientific Literacy (7 hours)

- two CC-SCI courses (p. 741) from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (3 hours)

- SPCH 140, SPCH 145, or SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 31 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (41-53 hours)

Supporting Courses (39-41 hours)

Course	Title	Credits
Foundational Courses		
ECON 224	Introduction to Economics ¹	3
SPT 240	Business Law	3
or ACCT 324	Survey of Commercial Law	
Select one of the following:		3
ITEC 242	Business Communications	
ENGL 462	Technical Writing	
ENGL 463	Business Writing	
MGMT 250	Professional Communication	
RETL 261 & 262	Principles of Accounting I and Principles of Accounting II	6
or ACCT 222	Survey of Accounting	
HRTM 344	Personnel Organization and Supervision	3
or MGMT 371	Principles of Management	
Lower Division Integrated Information Technology		
Must be passed with a grade of C or higher.		
ITEC 101	Thriving in the Tech Age	3
ITEC 233	Introduction to Computer Hardware and Software	3
ITEC 245	Introduction to Networking	3
ITEC 264	Computer Applications in Business I	3
ITEC 265	Introduction to Databases	3
Software Programming Language		
Select one of the following sequences:		6-8
CSCE 204 & ITEC 352	Program Design and Development and Software Design	
ITEC 204 & 352	Program Design and Development and Software Design	
CSCE 145 & 146	Algorithmic Design I and Algorithmic Design II	
Total Credit Hours		39-41

¹ ECON 224 may be satisfied by completing both ECON 221 and ECON 222, if they were taken prior to the student becoming an IIT major or through transient enrollment.

Electives (0-17 hours)

The IIT curriculum includes 0-17 hours of electives depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement (including additional electives in the major).

4. Major Requirements (36 hours)

Must be passed with a grade of C or higher.

Major Courses (33 hours)

Course	Title	Credits
ITEC 301	Professional Internship Seminar	3
ITEC 362	Introduction to Web Systems	3
ITEC 370	Database Systems in Information Technology	3
ITEC 444	Introduction to Human Computer Interaction	3
ITEC 445	Advanced Networking	3
ITEC 447	Management of Information Technology	3
ITEC 493	Information Technology Security for Managers	3
ITEC 495	Professional Internship	6
ITEC 560	Project Management Methods	3
ITEC 564	Capstone Project for Information Technology	3

Total Credit Hours **33**

Major Elective (3 hours)

Any 3-credit ITEC course numbered 400 or above that is not used to satisfy a major or minor requirement.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Integrated Information Technology, B.S.

Mechanical Engineering

Department Website (https://www.sc.edu/study/colleges_schools/engineering_and_computing/departments/mechanical_engineering/)

Travis Knight, *Interim Chair*

The Department of Mechanical Engineering offers the Bachelor of Science in Engineering degree with a major in mechanical engineering. The mechanical engineer is concerned with the design, development, and manufacture of both mechanical and thermal systems. These systems may vary from the internal combustion engine to power automobiles and airplanes to the use of computer vision in biomedical and automated manufacturing applications.

The objectives of the mechanical engineering undergraduate program are: to educate students in the application of mathematics, science, and engineering principles for solving mechanical engineering problems; to develop students' professional skills that enable a successful career; and to provide students with the broad education necessary to practice engineering in a global and societal context.

These objectives are met through a curriculum that provides a strong foundation in the basic and applied sciences and in the liberal arts, with increasing emphasis on mechanical engineering topics in the junior and senior years. The curriculum also includes a wide variety of technical electives, a series of engineering laboratory courses to supplement the theory presented in lecture as well as liberal arts courses to give the mechanical engineering student a well-balanced education. A capstone senior design experience gives the student opportunities to integrate

and apply the knowledge and skills learned throughout the mechanical engineering curriculum.

The department, jointly with the Department of Chemical Engineering, offers a major in biomedical engineering.

Bachelor's/Master's Degrees Accelerated Program

The Bachelor's/Master's Degrees Accelerated Program in Mechanical Engineering allows undergraduate students to complete both the B.S.E. degree and M.E. or M.S. degree in as few as five years. The use of dual credit—courses that can be used toward both degrees—enables acceleration of the program, reducing the total enrollment of the student by one semester.

Mechanical engineering undergraduate students may apply for approval of an accelerated education plan in the semester in which they will complete 90 hours of undergraduate course work. In addition, students must have a sufficient foundation in mechanical engineering course work to enable them to take graduate-level courses. University and department regulations stipulate that applicants must have a minimum GPA of 3.40, both overall and in mechanical engineering courses. Students in the accelerated program must maintain a GPA of 3.40 while pursuing the B.S.E. degree.

Students applying to this program must submit to The Graduate School a completed "Application for Admission to a Combined Bachelor's/Master's Education Plan" with endorsements of the undergraduate advisor, the department graduate director, and the department chair. The dean of The Graduate School has final authority for approving accelerated education plans. A "Senior Privilege Course Work Authorization" must be submitted for each semester in which one or more of these courses are taken.

Participation in the accelerated program does not require acceptance into The Graduate School. After completing the B.S.E. degree, students wishing to continue toward a master's degree in mechanical engineering at USC must apply formally to The Graduate School by submitting the appropriate form and required supporting documents. Students in the accelerated program will be eligible for graduate assistantships upon admission to The Graduate School.

Only graduate-level courses (numbered 500 and above, including up to three credit hours of project/research work leading to a master's thesis) satisfying both B.S.E. and masters degree requirements may be used for dual credit. No more than nine credit hours may be used as dual credit. The graduate courses used for dual credit must be taken during the students final undergraduate year. No more than nine credit hours (including those obtained under senior privilege and the college's Plan "M" for undergraduate juniors and seniors) may be applied toward a master's degree.

Programs

- Aerospace Engineering Minor (p. 406)
- Aerospace Engineering, B.S.E. (p. 406)
- Mechanical Engineering, B.S.E. (p. 409)
- Nuclear Engineering Minor (p. 411)

Courses

AESP 101 - Introduction into Aerospace Engineering (3 Credits)

Historical overview of air and space flight. Principles of flight and characterization of the atmosphere and space. Vehicle concepts, and an introduction to aerodynamics, materials, structures, propulsion, flight mechanics, control, aircraft systems, and design.

AESP 265 - Aerodynamics I Incompressible Flow (3 Credits)

Fundamentals of inviscid, incompressible flow. Derivation of basic equations for lift, drag and aerodynamic moments through dimensional analysis. Two dimensional flow over airfoils. Airfoil characteristics. Thin airfoil theory, finite wing theory. Wing and body interactions. Aerodynamic drag characteristics. Boundary layers.

Prerequisites: MATH 242, EMCH 201.

AESP 314 - Energy Power and Propulsion (3 Credits)

Introduction to aircraft and rocket engines with emphasis on the performance and characteristics of various types of propulsion systems, including turbojet, turbofan, turboprop, ramjet, scramjet and liquid & solid propellant rockets.

Prerequisites: EMCH 290.

AESP 350 - Aerospace Systems (3 Credits)

Fundamentals of flight control systems, engine control systems, fuel systems, hydraulic systems, landing gears, electrical systems, environmental control systems, emergency systems, avionics and rotary wing systems. Aerospace systems design and development methodology.

Prerequisites: D or better in AESP 101, ENCP 101.

AESP 361 - Aerospace Laboratory I (3 Credits)

Aerospace component experiments: drag polar and C_m -alpha curve for an airfoil; fuselage and landing gear drag; compliance matrix of an isotropic and a laminated composite; mechanical and thermal properties of various aerospace materials; reporting.

Prerequisites: STAT 509, AESP 265.

Prerequisite or Corequisite: EMCH 371, EMCH 310.

AESP 362 - Aerospace Laboratory II (3 Credits)

Introduction to experimental determination of structures, propulsion and systems aspects of aerospace engineering. Oral and written presentations and reports.

Prerequisites: AESP 361.

AESP 365 - Aerodynamics II: Compressible Flow (3 Credits)

Thermodynamics of compressible flow. One dimensional steady flow; isentropic flow, normal shock waves oblique and curved shocks. Nozzle and diffuser design. Raleigh and Fanno flows and their application in propulsion devices.

Prerequisites: D or better in EMCH 290 or ENCP 290 and AESP 265.

AESP 415 - Aircraft Design Part I Basics (3 Credits)

Aircraft mission analysis; Conceptual aircraft design; Weight estimation; Wing design; Payload compartment design; Stabilizer and control surface design; engine selection; aircraft systems design; performance analysis; trade studies; design verification; design documentation and presentation.

Prerequisites: AESP 265.

Prerequisite or Corequisite: AESP 350 and AESP 314.

Graduation with Leadership Distinction: GLD: Research

AESP 420 - Flight and Orbital Mechanics (3 Credits)

Derivation of the general equations of motion (EoM) for aircraft and space flight. Solution of Aircraft EoM for cruise flight and flight maneuvers including coordinated turns, takeoff and landing. Solution of EoM for orbital mechanics problems including transfer trajectories. Calculation of required specific impulses. Design of interplanetary trajectories.

Prerequisites: D or better in EMCH 310.

AESP 428 - Design I (3 Credits)

Techniques for managing, planning and executing engineering projects. Computer based analysis and synthesis techniques. Manufacturing and assembly techniques. Statistical methods to support manufacturing, safety and reliability based design. Engineering Ethics. Social impact of engineering decisions and projects. Effective written and oral communication.

Prerequisites: AESP 350, EMCH 577.

Prerequisite or Corequisite: AESP 314, EMCH 377.

Graduation with Leadership Distinction: GLD: Research

AESP 460 - Special Problems: Aerospace Engineering (1-3 Credits)

Special Problems (1-3) Individual investigation or studies of special topics related with aerospace engineering.

Graduation with Leadership Distinction: GLD: Research

AESP 466 - Flight Dynamics and Control (3 Credits)

Flight Dynamics and Control is a three-credit course that covers the dynamics of aircraft motion, methods of analysis and design for stability and control, longitudinal motions, lateral-directional motions, and coupled longitudinal and lateral-directional motions.

Prerequisites: EMCH 330 or ENCP 330, AESP 420.

AESP 543 - Aerospace Propulsion (3 Credits)

Propulsion system performance and cycle analysis. Momentum theorem, thrust and propulsive efficiency. Thermodynamics of compressible flow with heat and work addition. Combustion Processes. Components and principles of turbojet, turbofan, ramjet and SCRAM jet engines. Combustors and afterburners. Introduction to rocket engines.

Prerequisites: D or better in AESP 365.

EMCH 101 - Introduction to Mechanical Engineering (3 Credits)

Introduction to Mechanical Engineering; Engineering thinking; Problem-solving skills; University life and academic expectations.

EMCH 111 - Introduction to Computer-Aided Design (3 Credits)

Principles and practice of visualization and graphical representation using modern computer-aided design tools.

EMCH 200 - Statics (3 Credits)

Principles of mechanics; Equilibrium of particles and rigid bodies; Distributed forces, centroids, and centers of gravity; Moments of inertia of areas; Analysis of simple structures and machines; Friction.

Prerequisites: C or better in MATH 141.

EMCH 201 - Introduction to Applied Numerical Methods (3 Credits)

Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving system of equations, and numerical integration and differentiation.

Prerequisites: MATH 141.

Corequisite: MATH 142.

Cross-listed course: ENCP 201, PHYS 311

EMCH 220 - Mechanical Engineering Fundamentals for Non-Majors (3 Credits)

Introduction to the fundamentals of mechanical engineering for other engineering disciplines. Excluded: Mechanical Engineering Majors.

Prerequisites: MATH 142, PHYS 211.

EMCH 260 - Solid Mechanics (3 Credits)

Study of forces and deformation in solids; Basic concepts of stress and strain; Elastic relations between stress and strain; Stress and strain transformations; Applications to mechanical components under axial, torsional, bending and pressure loads.

Prerequisites: C or better in MATH 241; C or better in EMCH 200 or ENCP 200.

EMCH 290 - Thermodynamics (3 Credits)

Definitions, work, heat, and energy; First law of analyses of systems and control volumes; Second law analysis.

Prerequisites: C or better in PHYS 211; C or better in MATH 142.

EMCH 308 - Introduction to Finite Element Stress Analysis (3 Credits)

Introduction to stress analysis for beams, plates, shells, and solids using finite element based computer tools.

Prerequisites: EMCH 260.

EMCH 310 - Dynamics (3 Credits)

Kinematics of particles and rigid bodies; Kinetics of particles, emphasis on Newton's second law: energy and momentum methods for the solution of problems; Applications of plane motion of rigid bodies.

Prerequisites: C or better in MATH 242; C or better in EMCH 200 or ENCP 200.

EMCH 327 - Machine Design (3 Credits)

Design against static failure and fatigue failure of structural members and machine parts; Design and selection of components including: fasteners, welds, shafts, springs, gears, bearings, and chain drives.

Prerequisites: EMCH 260 or ENCP 260.

Graduation with Leadership Distinction: GLD: Research

EMCH 330 - Mechanical Vibrations (3 Credits)

Analysis of forced and damped one-degree-of-freedom systems. Rotating unbalance and vibration isolation. Introduction to two-degrees-of-freedom systems.

Prerequisites: MATH 242 and either EMCH 310 or ENCP 210.

EMCH 332 - Kinematics (3 Credits)

The application of vector and graphical analysis for the determination of positions, velocities and accelerations of planar linkages used in modern machinery.

Prerequisites: D or better in EMCH 310 or ENCP 210.

EMCH 354 - Heat Transfer (3 Credits)

One- and two-dimensional steady and transient heat conduction; Free and forced convection; Boiling and condensation; Radiation; Heat exchangers.

Prerequisites: D or better in EMCH 360 or AESP 265 or ENCP 360.

EMCH 360 - Fluid Mechanics (3 Credits)

Applications of fluid statics and dynamics; Conservation of mass, momentum, and energy; Similitude and dimensional analysis; Open channel flow, lift and drag; Introduction to turbulent flow

Prerequisites: C or better in EMCH 200 or ENCP 200 or BMEN 212; D or better in EMCH 290 or ENCP 290 or BMEN 290; C or better in MATH 242.

EMCH 361 - Laboratory I (3 Credits)

Basic concepts of instruments, measurements, and experimental data analysis; Statistical analysis of experimental data and uncertainty analysis; LabView control, sensors, and measurement of parameters in mechanical engineering systems; Technical writing and presentation.

Prerequisites: D or better in EMCH 290, ENCP 290, or BMEN 290; D or better in EMCH 260 or ENCP 260; D or better in EMCH 201 or ENCP 201; D or better in ELCT 220 or ELCT 221.

EMCH 362 - Laboratory II (3 Credits)

Basic concepts of hypothesis, simple design of experiments to demonstrate principles and applications of fluid dynamics, manufacturing, mechanical properties, heat transfer, and vibration analysis through a series of lab experiments.

Prerequisites: D or better in EMCH 361.

Prerequisite or Corequisite: D or better in EMCH 360 or AESP 265 or ENCP 360; D or better in EMCH 310 or ENCP 210.

EMCH 363 - Mechanical Engineering Laboratory III (3 Credits)

Experiments directly related to advanced mechanical engineering courses. Physical and statistical design of experiments. Written and oral reports.

Prerequisites: EMCH 362.

Prerequisite or Corequisite: EMCH 332, EMCH 354, EMCH 371.

EMCH 367 - Controls (3 Credits)

Introduction to closed-loop control systems in Mechanical Engineering; Development of concepts, including transfer function, feedback, frequency response, and system stability; Programmable logic controllers (PLC); Control system design methods.

Prerequisites: D or better in EMCH 310 or ENCP 210; D or better in EMCH 368.

EMCH 368 - Mechatronics (4 Credits)

Introduction to the principles of integrating mechanical, electrical and computer engineering disciplines within a unified framework towards designing mechatronic systems; Fundamental overview of mechatronics (sensors, signals, actuators, microprocessors and models of mechatronic systems); Experimental exercises using microcontrollers.

Prerequisites: D or better in CSCE 206; D or better in ELCT 220 or ELCT 221; D or better in EMCH 260 or ENCP 260.

EMCH 371 - Materials (3 Credits)

An introduction to the relationships between chemical bonding, crystal structure, phase equilibria, microstructure, and properties of engineering materials.

Prerequisites: D or better in EMCH 260 or ENCP 260.

EMCH 377 - Manufacturing (3 Credits)

Basics of: Deformative Manufacturing, Subtractive Manufacturing, Additive Manufacturing, Assembly Processes; Introduction to: Polymers Manufacturing, Composites Manufacturing, Computer-Aided Manufacturing.

Prerequisites: EMCH 371.

EMCH 380 - Project Management (3 Credits)

Introduction to decision making for engineering projects; Planning methods; Forecasting; Exploratory charts; Team building and leadership; Project scheduling; Project economics.

Prerequisites: C or better in MATH 241.

EMCH 394 - Applied Thermodynamics (3 Credits)

Basics of: Fundamentals of thermodynamics, Thermodynamic properties, Energy and Mass Conservation, Entropy and the Second Law Analysis; Introduction to: Power, Refrigeration, and Heat Pump Cycle Systems for vapor cycles and gas cycles; Application of Thermodynamic concepts to determine changes of enthalpy, entropy, and internal energy related with cycle systems, psychometrics, and combustion process.

Prerequisites: EMCH 201, EMCH 290.

EMCH 427 - Design I (3 Credits)

Open-ended design project initiation including: identifying and ranking customer and project needs, benchmarking appropriate design specifications, planning and project management, functional analysis, innovation and concept generation, learning through mockups, concept ranking and concept selection.

Prerequisites: D or better in EMCH 380.

Prerequisite or Corequisite: D or better in EMCH 332, EMCH 354, EMCH 362, EMCH 371, and EMCH 368.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 428 - Design II (3 Credits)

Open-ended design project continuation including: identifying and performing relevant engineering analyses, parametric design refinement, project life cycle economic analysis, product/prototype construction, testing, and evaluation of the design; Consideration of safety, reliability, sustainability, and social impact.

Prerequisites: D or better in EMCH 427.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 441 - Automotive System Fundamentals (3 Credits)

Automotive engineering systems, descriptions, and associated operating and design principles. Past, present, and future automotive systems and components.

Prerequisites: EMCH 260, EMCH 394.

EMCH 460 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of three credits may be applied toward a degree. Advance approval of project proposal by advisor and instructor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 497 - Design of Thermal Systems (3 Credits)

Methodology of design, mathematical modeling of thermal equipment, system simulation, system optimization using digital computer, and investment economics. Requires a semester-long design project. Two lectures and one problem session per week.

Prerequisites: EMCH 354, EMCH 394.

Graduation with Leadership Distinction: GLD: Research

EMCH 499 - Fundamentals of Engineering Preparation (1 Credit)

Preparation for the Fundamentals of Engineering Exam. Review general engineering and mechanical engineering-specific areas. Restricted to seniors. May not be used to satisfy program requirements.

EMCH 501 - Engineering Analysis I (3 Credits)

Engineering applications of solution techniques for ordinary and partial differential equations, including Sturm-Liouville theory, special functions, transform techniques, and numerical methods.

Prerequisites: MATH 242.

EMCH 502 - Engineering Analysis II (3 Credits)

Engineering applications of optimization methods, calculus of variations including approximate methods, and probability concepts.

Prerequisites: MATH 242.

EMCH 507 - Computer-Aided Design (3 Credits)

Solid modeling using commercial computer-aided design (CAD) applications package to reverse engineer-manufactured parts. Analytical curves and surfaces, transformation matrices, assembly modeling, and computer tools for analyzing parts and mechanisms.

Prerequisites: EMCH 201, EMCH 327.

EMCH 508 - Finite Element Analysis in Mechanical Engineering (3 Credits)

Development of the fundamental concepts of finite element modeling. Matrix equation assembly and reduction. Mechanical engineering applications in structures, stress analysis, ideal flow, and heat transfer problems.

Prerequisites: EMCH 201, EMCH 327.

EMCH 509 - Computer-Aided Manufacturing (3 Credits)

Optimizing computer-controlled machining processes, programmable logic controllers (PLCs), motion control of servomechanisms, CNC machining practices and programming, and robotics.

Prerequisites: D or better in MATH 241.

EMCH 516 - Control Theory in Mechanical Engineering (3 Credits)

An introduction to closed-loop control systems; development of concepts, including transfer function, feedback, frequency response, and system stability by examples taken from mechanical engineering practice; control system design methods.

Prerequisites: MATH 242, EMCH 330.

EMCH 520 - Technology Planning (3 Credits)

Assessment of technological needs in the organization; coupling research and development to production; selection and evaluation of the technical project/program; technical planning, resource allocation, direction, and control; effective use and development of the engineering staff; the process of and barriers to technological change; technology, values, and policy. Senior or graduate standing.

EMCH 521 - Concurrent Engineering (3 Credits)

A systematic approach to the mechanical design of products, requiring the concurrent design of all related processes.

Prerequisites: EMCH 327.

EMCH 522 - Design for Manufacture and Assembly (3 Credits)

Product design principles for early consideration of issues to shorten product development time and to ensure smooth transition to manufacturing, thus accelerating time-to-market.

Prerequisites: EMCH 327 and EMCH 377.

EMCH 527 - Design of Mechanical Systems (3 Credits)

Summary of mechanical design, project management, product liability and the law, intellectual property ethics and professionalism.

Prerequisites: EMCH 327.

EMCH 528 - Product Safety Engineering (3 Credits)

Design considerations and methodologies for products to ensure adequate safeguards for the prevention of accidents, failures, and injuries. Senior standing.

EMCH 529 - Sustainable Design and Development (3 Credits)

System design and development accomplished with consideration of environmental/ecological, economic, and social constraints. Students will be introduced to sustainable design and accomplish a design project. Senior standing.

EMCH 530 - Introduction to Engineering Optimization (3 Credits)

Mathematical formulation of an optimum design problem, introduction to optimum design concepts and multidisciplinary design optimization. Use of mathematical programming methods for unconstrained and constrained minimization for engineering design optimization.

Prerequisites: C or better in MATH 142, Graduate standing.

EMCH 532 - Intermediate Dynamics (3 Credits)

Kinematics and dynamics of particles and rigid bodies using Newtonian mechanics. Work/energy, impulse/momentum, 3-D motion.

Prerequisites: EMCH 332.

EMCH 535 - Robotics in Mechanical Engineering (3 Credits)

Overview of robotics in practice and research: forward and inverse kinematics, statics and dynamics, trajectory generation, control, vision, and motion planning.

Prerequisites: EMCH 332.

EMCH 544 - Compressible Fluid Flow (3 Credits)

Application of the conservation laws of a compressible fluid to isentropic flows, flow with friction, and flows with heating or cooling. Shock and expansion waves. Nozzle and diffuser design.

Prerequisites: EMCH 354.

EMCH 550 - Introduction to Nuclear Safeguards (3 Credits)

International nuclear non-proliferation programs and activities, proliferation risk assessment, and nuclear materials management and safeguards, including physical protection systems, material accounting and control, monitoring, and regulatory issues.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 551 - Nuclear Energy in the Hydrogen Economy (3 Credits)

The current role of nuclear energy in the US and global energy mix will be described and the potential for future growth will be surveyed, particularly in the development of the hydrogen economy.

Prerequisites: EMCH 354.

EMCH 552 - Introduction to Nuclear Engineering (3 Credits)

Radioactivity and nuclear reactions; steady state and transient nuclear reactor theory.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 553 - Nuclear Fuel Cycles (3 Credits)

Processing of nuclear fuel including fabrication, irradiation, and waste disposal or storage. In-core and out-of-core fuel management. Fuel cycle economics.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 554 - Intermediate Heat Transfer (3 Credits)

Radiant heat exchange, combined modes of heat transfer, computer techniques in heat transfer analysis and design, environmental heat transfer.

Prerequisites: EMCH 354.

EMCH 555 - Instrumentation for Nuclear Engineering (3 Credits)

Basic operational principles of radiation detection and nuclear instrumentation systems. Selection of the proper detector to measure radiation. Statistical analysis of results.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 555L - Nuclear Instrumentation Laboratory (1 Credit)

Use of nuclear radiation detection and instrumentation systems and computers. Data acquisition and analysis.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

Corequisite: EMCH 555.

EMCH 556 - Introduction to Risk Analysis and Reactor Safety (3 Credits)

An introduction to probabilistic risk assessment (PRA) methods as applied to nuclear power plants but also examples from the chemical industry, aerospace, transportation, and other sectors. Addresses failure and reliability analysis, fault trees, event trees, reactor safety, regulatory practice.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 557 - Introduction to Radiation Shielding and Sources (3 Credits)

Radiation interactions and transport, design of radiation shields, point kernel, and Monte Carlo methods. Dosimetry, buildup factors, radiation sources, and shield materials.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 558 - Introduction to Nuclear Reactor Systems (3 Credits)

PWR and BWR reactors, reactor system designs for accident prevention and mitigation, protection systems, containment design, emergency cooling requirements, code of federal regulations, and design criteria.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 560 - Intermediate Fluid Mechanics (3 Credits)

Integral and differential analysis of fluids. Potential flow. Boundary layer analysis. Flow in closed and open channels. Flow dynamics of turbomachinery. Steady and unsteady flows.

Prerequisites: EMCH 310, EMCH 360.

EMCH 561 - Current Topics in Mechanical Engineering (1-3 Credits)

Special topics related to current issues in mechanical engineering. Course content varies and will be announced in the schedule of classes by title.

EMCH 562 - Micro/nanofluidics and Lab-on-a-Chip (3 Credits)

Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery.

Prerequisites: D or better in CHEM 112 and CHEM112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: BMEN 532

EMCH 567 - Bio Nano/Micro Electro-Mechanical Systems (3 Credits)

Fundamentals of nano- and microfabrication, metrology and their applications in biomedical engineering and science. The fabrication covers photolithography, nano/microfabrication for nano/microstructures, etching and additive techniques, MEMS integration and packaging, etc. Metrology focuses on characterization of nanostructures with imaging technologies.

Prerequisites: D or better in CHEM 112 and CHEM 112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: BMEN 537

EMCH 571 - Mechanical Behavior of Materials (3 Credits)

Micromechanisms of the deformation and fracture of structural materials; brittle versus ductile behavior; fatigue and creep; strengthening mechanisms; mechanical testing techniques; methods in analysis of mechanical failures.

Prerequisites: EMCH 260, EMCH 371.

EMCH 572 - Physical Metallurgy (3 Credits)

Equilibrium and phase relations in metallic systems; kinetics of phase transformations; annealing and precipitation phenomena.

Prerequisites: EMCH 371.

EMCH 573 - Introduction to Nuclear Materials (3 Credits)

Materials for nuclear applications; materials degradation processes occurring in the nuclear reactor environment. Restricted to Engineering Upper Division and Graduate Students.

Prerequisites: C or better in EMCH 371, CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 575 - Adaptive Materials and Smart Structures (3 Credits)

A multidisciplinary introductory course addressing the engineering field of adaptive materials and smart structures.

Prerequisites: EMCH 260, EMCH 310.

EMCH 576 - Fundamentals and Applications of Fuel Cells (3 Credits)

Study of fuel cell principles, fuel cell characterization, characteristics of the major types of fuel cells, fuel cell and stack components, fuel cell stack and system design, fuel cell applications in portable, transportation, and stationary areas, as well as the current status and future research focus of fuel cells. Restricted to: Upper division.

Prerequisites: EMCH 290 or ECHE 310 or ENCP 290.

EMCH 577 - Aerospace Structures I (3 Credits)

Static analysis of aerospace structural elements such as bars, beams, columns, plates, and shells. Topics include, but not limited to elasticity theory, simple beam theory, boundary value problems, and structural stability. Upper division or graduate status.

Prerequisites: D or better in EMCH 260, and EMCH 310.

EMCH 578 - Introduction to Aerodynamics (3 Credits)

Fundamentals of aerodynamics, elements of compressible flow, thin airfoil theory, finite wing theory, flow through nozzles diffusers and wind tunnels, normal and oblique shock waves, elements of the methods of characteristics of finite difference solutions for compressible flows, aspects of hypersonic flow.

EMCH 580 - Mechanics of Solid Biomaterials (3 Credits)

Introduction to the mechanical behavior of solid biomaterials. Structure and mechanical properties of tissue including skin, myocardium, and tendon. Mathematical treatment of anisotropic elasticity, nonlinear elasticity, linear and quasi-linear viscoelasticity, muscle activity.

Prerequisites: MATH 242.

EMCH 584 - Advanced Mechanics of Materials (3 Credits)

Topics in stress analysis, including unsymmetrical bending, three-dimensional stress-strain; torsion; rotational stress; thick-walled pressure vessels; beams on elastic foundations; and stress concentration.

Prerequisites: EMCH 260.

EMCH 585 - Introduction to Composite Materials (3 Credits)

Introduction to fiber reinforced polymer (FRP) composite materials, manufacturing methods and processes. Micro-Mechanics and properties of orthotropic laminated and woven composites. Analysis of composite structures (Mechanics and Synergistic environmental effects). Structure/property relationships. Characterization of modern composite materials. Design considerations.

Prerequisites: EMCH 327, EMCH 371, MATH 242.

EMCH 586 - Experimental Stress Analysis (3 Credits)

Stress analysis utilizing experimental techniques including transmission and scattered light photoelasticity, strain gauges, and brittle coatings. Introduction to modern concepts of coherent optics in stress analysis with emphasis on engineering applications.

Prerequisites: EMCH 260.

EMCH 592 - Introduction to Combustion (3 Credits)

Chemical thermodynamics, reaction kinetics, and combustion phenomena in energy production. Application to the modeling of coal combustion, incineration, and combustion engines.

Prerequisites: EMCH 354, EMCH 394.

EMCH 594 - Solar Heating (3 Credits)

Solar radiation; review of heat transfer and radiation characteristics of relevant materials; flat plate and focusing collectors; energy storage models for design of solar heating systems; system design by computer simulation; direct conversion by solar cells.

Prerequisites: EMCH 290, EMCH 354, or ECHE 321.

EMCH 597 - Thermal Environmental Engineering (3 Credits)

Vapor compression and absorption refrigeration systems. Heat pumps. Properties of refrigerants. Cryogenic refrigeration. Heating and cooling of buildings. Solar heating and cooling systems.

Prerequisites: EMCH 354, EMCH 394.

Aerospace Engineering Minor

A student may obtain a minor in aerospace engineering by completing at least 18 credit hours consisting of three core courses and three approved elective courses.

Minor Requirements (18 Hours)

Course	Title	Credits
Core Aerospace Courses		9
Select three of the following:		
AESP 265	Aerodynamics I Incompressible Flow	
AESP 420	Flight and Orbital Mechanics	
AESP 350	Aerospace Systems	
AESP 314	Energy Power and Propulsion	
AESP 466	Flight Dynamics and Control	
Elective Aerospace Courses		9
Select at least three additional courses from the following list. ¹		
AESP 265	Aerodynamics I Incompressible Flow	
AESP 420	Flight and Orbital Mechanics	

AESP 350	Aerospace Systems
AESP 314	Energy Power and Propulsion
AESP 466	Flight Dynamics and Control
EMCH 508	Finite Element Analysis in Mechanical Engineering
EMCH 516	Control Theory in Mechanical Engineering
EMCH 522	Design for Manufacture and Assembly
EMCH 532	Intermediate Dynamics
EMCH 544	Compressible Fluid Flow
EMCH 554	Intermediate Heat Transfer
EMCH 560	Intermediate Fluid Mechanics
EMCH 571	Mechanical Behavior of Materials
EMCH 575	Adaptive Materials and Smart Structures
EMCH 577	Aerospace Structures I
EMCH 578	Introduction to Aerodynamics
EMCH 584	Advanced Mechanics of Materials
EMCH 585	Introduction to Composite Materials
EMCH 592	Introduction to Combustion

Total Credit Hours

18

¹ No course may be used to satisfy both core and elective requirements.

Aerospace Engineering, B.S.E.

Program Educational Objectives

The program educational objectives of the Aerospace Engineering program are that, within a few years of graduation, the students will:

- Lead successful practicing careers or be engaged in advanced graduate studies
- Establish themselves as responsible and ethical citizens
- Challenge themselves to innovate and collaborate in evolving work environments

Learning Outcomes

1. The program is intended to train students in the field of aerospace engineering such that they are well prepared for a career as a multidisciplinary engineer in the aerospace industry or any other industry that requires the abilities specified by ABET for engineers at the BS level:
2. Students shall have an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
3. Students shall have an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
4. Students shall have an ability to communicate effectively with a range of audiences.
5. Students shall have an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
6. Students shall have an ability to function effectively on a team whose members together provide leadership, create a collaborative

and inclusive environment, establish goals, plan tasks, and meet objectives.

7. Students shall have an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
8. Students shall have an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Aerospace Engineering B.S.E. program: all Lower Division Engineering courses, all Aerospace Engineering Major courses, and all Aerospace Engineering Elective courses.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (125-137 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	0
3. Program Requirements	46
4. Major Requirements	45

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence,

the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)-

- ENGL 101 - *must be passed with a grade of C or higher*
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

must be passed with a grade of C or higher

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (46 hours)

Supporting Courses (46 hours)

Course	Title	Credits
Foundational Courses		
CHEM 112	General Chemistry II	3
CHEM 112L	General Chemistry II Lab	1
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations	3
MATH 344	Applied Linear Algebra	3
ELCT 220 or ELCT 221	Electrical Engineering for Non-Majors Circuits	3
STAT 509	Statistics for Engineers	3
Lower Division Engineering		
AESP 101 or ENCP 101	Introduction into Aerospace Engineering Introduction to Engineering I	3
EMCH 111 or ENCP 102	Introduction to Computer-Aided Design Introduction to Engineering II	3
EMCH 200 or ENCP 200	Statics (must be passed with a grade of C or higher) Statics	3
EMCH 201 or ENCP 201	Introduction to Applied Numerical Methods Introduction to Applied Numerical Methods	3
EMCH 260 or ENCP 260	Solid Mechanics Introduction to the Mechanics of Solids	3
EMCH 290 or ENCP 290	Thermodynamics Thermodynamic Fundamentals	3
Aerospace Engineering Electives		
Select nine hour from the following:		9
EMCH 377	Manufacturing	
EMCH 354	Heat Transfer	
EMCH 332	Kinematics	
AESP 460	Special Problems: Aerospace Engineering	
AESP 543	Aerospace Propulsion	
EMCH 585	Introduction to Composite Materials	
EMCH 535	Robotics in Mechanical Engineering	
EMCH 544	Compressible Fluid Flow	
EMCH 530	Introduction to Engineering Optimization	
EMCH 592	Introduction to Combustion	

EMCH 516	Control Theory in Mechanical Engineering
EMCH 578	Introduction to Aerodynamics
EMCH 532	Intermediate Dynamics
EMCH 554	Intermediate Heat Transfer
EMCH 560	Intermediate Fluid Mechanics
ELCT 221	Circuits
ELCT 222	Signals and Systems
ELCT 321	Digital Signal Processing
ELCT 361	Electromagnetics
ELCT 371	Electronics
ELCT 331	Control Systems
ELCT 572	Power Electronics
ELCT 531	Digital Control Systems
ELCT 562	Wireless Communications
ELCT 564	RF Circuit Design for Wireless Communications

Total Credit Hours **46**

4. Major Requirements (45 hours)

Course	Title	Credits
AESP 265	Aerodynamics I Incompressible Flow	3
AESP 314	Energy Power and Propulsion	3
AESP 350	Aerospace Systems	3
AESP 361	Aerospace Laboratory I	3
AESP 362	Aerospace Laboratory II	3
AESP 420	Flight and Orbital Mechanics	3
AESP 428	Design I	3
AESP 466	Flight Dynamics and Control	3
EMCH 310 or ENCP 210	Dynamics Dynamics	3
EMCH 330 or ENCP 330	Mechanical Vibrations Introduction to Vibrations	3
EMCH 371	Materials	3
AESP 365	Aerodynamics II: Compressible Flow	3
EMCH 577	Aerospace Structures I	3
EMCH 308	Introduction to Finite Element Stress Analysis	3
AESP 415	Aircraft Design Part I Basics	3

Total Credit Hours **45**

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Aerospace Engineering, B.S.E.

Mechanical Engineering, B.S.E.

Learning Outcomes

LO 1 - Complex Problems

an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

LO 2 - Design

an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors

LO 3 - Communication

an ability to communicate effectively with a range of audiences

LO 4 - Judgement

an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

LO 5 - Teams

an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

LO 6 - Experiments

an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions

LO 7 - Knowledge

an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Academic Standards

Program GPA

Program GPA requirement policies are described in the College of Engineering and Computing section of this bulletin. For the purpose of these policies, the following courses are used to determine the Program GPA for the Mechanical Engineering B.S.E. program: All Lower Division Engineering courses, all Mechanical Engineering Major courses, and all courses used to satisfy a Mechanical Engineering Elective.

Admissions

Entrance Requirements

Admission requirements and processes for freshman, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Transfer applicants from regionally accredited colleges and universities must have a cumulative 2.75 GPA on a 4.00 scale to enter the College of Engineering and Computing. In addition, transfer applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four

semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Current University of South Carolina students who wish to enter the College of Engineering and Computing, and former students seeking readmission, must have an institutional GPA of 2.50 or better on at least 15 hours earned at UofSC. In addition, such applicants for the Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, or Mechanical Engineering majors must also have completed a four semester-hour calculus course equivalent to MATH 141 with a grade of "C" or better.

Degree Requirements (125 hours)

See College of Engineering and Computing (p. 354) for progression requirements and special academic opportunities.

Program of Study

Requirements	Credit Hours
1. Carolina Core	34-46
2. College Requirements	0
3. Program Requirements	48
4. Major Requirements	43

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (34-46 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101 - *must be passed with a grade of C or higher.*
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (8 hours)

Must be passed with a grade of C or higher.

- MATH 141
- MATH 142

SCI – Scientific Literacy (8 hours)

Must be passed with a grade of C or higher.

- CHEM 111 & CHEM 111L
- PHYS 211 & PHYS 211L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Score two or better on foreign language placement test; or complete the 109 and 110 courses in FREN, GERM, LATN or SPAN; or complete the 121 course in another foreign language.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

Select from the following:

- ENGL 102 (CMW/INF overlay)
- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

Select from the following:

- PHIL 325 (CMS/VSR overlay)
- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours for this program must add up to a minimum of 34 hours.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (48 hours)

Supporting Courses (42 hours)

Course	Title	Credits
Foundational Courses		
CSCE 206	Scientific Applications Programming	3
MATH 241	Vector Calculus	3
MATH 242	Elementary Differential Equations	3
Select Math/Science Elective ¹		6

Any BIOL 110 or BIOL 301 and above, CHEM 112 or higher, MATH 300 or higher, PHYS 212 or higher, STAT 506 or higher course.

Lower Division Engineering

EMCH 101 or ENCP 101	Introduction to Mechanical Engineering Introduction to Engineering I	3
EMCH 111 or ENCP 102	Introduction to Computer-Aided Design Introduction to Engineering II	3
EMCH 200 or ENCP 200	Statics (must be passed with a grade of C or higher) Statics	3
EMCH 201 or ENCP 201	Introduction to Applied Numerical Methods Introduction to Applied Numerical Methods	3
EMCH 260 or ENCP 260	Solid Mechanics Introduction to the Mechanics of Solids	3
EMCH 290 or ENCP 290	Thermodynamics Thermodynamic Fundamentals	3
ELCT 220 or ELCT 221	Electrical Engineering for Non-Majors Circuits	3

Mechanical Engineering Electives

Select six hours of the following:		6
EMCH 308	Introduction to Finite Element Stress Analysis	
EMCH 441	Automotive System Fundamentals	
EMCH 460	Special Problems	
EMCH 497	Design of Thermal Systems	
Any EMCH course numbered 500 or higher		

Total Credit Hours **42**

¹ Any BIOL 110 or BIOL 301 and above, CHEM 112 or higher, MATH 300 or higher, PHYS 212 or higher, STAT 506 or higher course.

Elective (6 hours)

Any course taken at the University or transferred in as a University course that does not essentially duplicate a course otherwise applied to the degree. A list of such courses that cannot be used as a free elective is maintained in the department office. Courses that cannot be used includes:

Course	Title	Credits
ENCP 101	Introduction to Engineering I	3
ENCP 102	Introduction to Engineering II	3
ENCP 200	Statics	3
ENCP 201	Introduction to Applied Numerical Methods	3
ENCP 210	Dynamics	3
ENCP 260	Introduction to the Mechanics of Solids	3
ENCP 290	Thermodynamic Fundamentals	3
ENCP 330	Introduction to Vibrations	3
ENCP 360	Fluid Mechanics	3
ENCP 491	Capstone Design Project I	3
ENCP 492	Capstone Design Project II	3
ECHE 101	Introduction to Chemical Engineering	2
ECHE 310	Introductory Chemical Engineering Thermodynamics	3
ECHE 320	Chemical Engineering Fluid Mechanics	3
ECHE 321	Heat-Flow Analysis	3

ECIV 101	Introduction to Civil Engineering	3
ECIV 111	Introduction to Engineering Graphics and Visualization	3
ECIV 200	Statics	3
ECIV 201	Computational Methods for Civil Engineering	3
ECIV 210	Dynamics	3
ECIV 220	Mechanics of Solids	3
ECIV 360	Fluid Mechanics	3
BMEN 101	Introduction to Biomedical Engineering	1
ELCT 101	Electrical and Electronics Engineering	1

4. Major Requirements (43 hours)

Course	Title	Credits
EMCH 310	Dynamics	3
or ENCP 210	Dynamics	
EMCH 332	Kinematics	3
EMCH 354	Heat Transfer	3
EMCH 360	Fluid Mechanics	3
or ENCP 360	Fluid Mechanics	
EMCH 361	Laboratory I	3
EMCH 362	Laboratory II	3
EMCH 367	Controls	3
EMCH 368	Mechatronics	4
EMCH 371	Materials	3
EMCH 377	Manufacturing	3
EMCH 380	Project Management	3
EMCH 427	Design I	3
EMCH 428	Design II	3
Mechanical Design elective:		
EMCH 327	Machine Design	3
or EMCH 394	Applied Thermodynamics	
Total Credit Hours		43

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Mechanical Engineering, B.S.E.

Nuclear Engineering Minor Minor Requirements (18 Hours)

The Nuclear Engineering Minor requires four Core Courses, one Nuclear Engineering Elective, and one Engineering Elective.

Core Courses

Course	Title	Credits
EMCH 552	Introduction to Nuclear Engineering	3
EMCH 553	Nuclear Fuel Cycles	3
EMCH 557	Introduction to Radiation Shielding and Sources	3
EMCH 558	Introduction to Nuclear Reactor Systems	3
Total Credit Hours		12

Nuclear Engineering Elective (3 hours)

Course	Title	Credits
Select one from the following:		
EMCH 550	Introduction to Nuclear Safeguards	3
EMCH 555	Instrumentation for Nuclear Engineering	
EMCH 556	Introduction to Risk Analysis and Reactor Safety	
EMCH 573	Introduction to Nuclear Materials	

Engineering Elective (3 hours)

Select any 3-credit EMCH course numbered 300 and above that is not used to meet another requirement of the minor or a major requirement in the student's program of study.

Students are encouraged to select the Engineering Elective from the list of Nuclear Engineering Electives or in consultation with their academic advisor.

Note

Most of the courses in the minor have prerequisites, which may include CHEM 111, PHYS 111, and/or MATH 141, MATH 142, MATH 241 or MATH 242.

COLLEGE OF HOSPITALITY, RETAIL, AND SPORT MANAGEMENT

David Cárdenas, *Interim Dean, Associate Dean of Academic Programs*
 Samuel Todd, *Associate Dean of Faculty Affairs, Diversity, and Operations*
 Kathy Smiling, *Assistant Dean of Student Services*
 Adonis Sporty Jeralds, *Assistant Dean of Diversity and Inclusion*
 Marianne C. Bickle, *Director, Interdisciplinary Studies and Online Learning*
 Thomas H. Regan, *Interim Chair, Department of Sport and Entertainment Management*
 Robin B. DiPietro, *Director, School of Hotel, Restaurant, and Tourism Management*
 Jeffery M. Campbell, *Chair, Department of Retailing*

Degree Programs

The College of Hospitality, Retail, and Sport Management offers:

- Event Management Minor (<https://academicbulletins.sc.edu/undergraduate/hospitality-retail-sport-management/event-management-minor/>)
- Hospitality Management, B.S. (p. 424)
- Hotel, Restaurant and Tourism Management Minor (<https://academicbulletins.sc.edu/undergraduate/hospitality-retail-sport-management/hotel-restaurant-tourism-management/hotel-restaurant-tourism-management-minor/>)
- Interdisciplinary Studies, B.A.I.S. (p. 413)
- Retailing, B.S. (p. 417)
- Retailing Minor (<https://academicbulletins.sc.edu/undergraduate/hospitality-retail-sport-management/retailing/retailing-minor/>)
- Sport and Entertainment Management, B.S. (p. 431)
- Sport and Entertainment Management Minor (<https://academicbulletins.sc.edu/undergraduate/hospitality-retail-sport-management/sport-entertainment-management/sport-entertainment-management-minor/>)
- Tourism Management, B.S. (p. 427)

Progression Requirements

The requirements for continuing scholastic eligibility are determined by the statement on academic standing covering suspension, probation, and graduation as stated in the University bulletin. Acceptance to the professional division is based upon courses completed, GPA, and where applicable, practicum performance. Progression requirements for individual departments are specified under each department heading.

Graduation

To be eligible for graduation, students in the College of Hospitality, Retail, and Sport Management must meet all course requirements, be in good standing, and meet any specific departmental requirements as well as University requirements. A minimum grade of C is required in ENGL 101, ENGL 102 and all departmental courses used to satisfy major or professional area requirements. Individual departments may stipulate additional courses that require a minimum grade in order to be applied toward that major.

Any additional departmental requirements are indicated under each departmental heading.

Attendance Requirements

When students enroll in a particular course, they obligate themselves for all of the work which may be assigned. Absences, excused or not, do not absolve students of this responsibility. Punctual and regular attendance is vital to the discharge of this obligation.

Faculty members will notify students specifically of the attendance policy they intend to follow in each class. An instructor may impose a grade penalty for absence in excess of 10 percent of regularly scheduled class meetings.

Departments

- Event Management Minor (<https://academicbulletins.sc.edu/undergraduate/hospitality-retail-sport-management/event-management-minor/>)
- Interdisciplinary Studies (College of Hospitality, Retail, and Sport Management) (p. 412)
- Retailing (p. 415)
- School of Hotel, Restaurant and Tourism Management (p. 420)
- Sport and Entertainment Management (p. 429)

Interdisciplinary Studies (College of Hospitality, Retail, and Sport Management)

Department Website (https://www.sc.edu/study/colleges_schools/hrsm/study/degreeprograms/bais/)

The Bachelor of Arts in Interdisciplinary Studies (B.A.I.S.) degree program serves motivated students who have unique educational goals. Adult students who are already employed and students who possess an associate degree from an accredited institution may find the interdisciplinary studies program appropriate to their needs. Since the program is individualized, each applicant must be able to articulate appropriate academic goals.

The program has three curriculum components: general education courses, the interdisciplinary major, and an elective category. The interdisciplinary major is composed of upper-division course work which is uniquely defined by the goals of each student. The interdisciplinary major is complemented by an integrative senior seminar.

Each student must submit an application to the B.A.I.S. admissions committee. If approved, an academic advisor will help the student design an individualized program of study. The program of study must include at least 36 hours of upper-level USC course work and conform to all general University academic regulations for the baccalaureate degree. The B.A.I.S. requires a minimum of 120 approved hours to graduate. A minimum of 30 USC hours must be earned after acceptance into the B.A.I.S. program.

Subject to University and departmental policy, students may apply credits earned through independent study toward the B.A.I.S. degree. Up to 60 semester hours earned in an accredited associate degree program may be accepted toward fulfillment of B.A.I.S. requirements. University policy also permits up to 30 semester hours earned in correspondence, telecommunications, service schools, and off-campus extension

classes to be accepted in partial fulfillment of baccalaureate degree requirements.

Baccalaureate Degree in Interdisciplinary Studies after Three Undergraduate Years and One Year of Medical or Dental School. Upon application to the College of Hospitality, Retail, and Sport Management, a student who has completed 90 hours or more of undergraduate work at the University of South Carolina (and the last 30 of which have been in residence at the University) with a minimum grade point average of 2.00 will be granted the baccalaureate degree in interdisciplinary studies provided that:

1. The applicant has satisfied all graduation requirements for the B.A.I.S. degree at USC, except for the final 30 hours.
2. The applicant has not applied these USC credits to obtaining a baccalaureate degree from another institution.
3. The applicant submits an official transcript from an accredited medical or dental school demonstrating satisfactory completion of the first year of study leading to a postbaccalaureate degree.
4. The dean of the College of Hospitality, Retail, and Sport Management certifies that the requirements prescribed for the degree have been met.

Students enrolled in the University of South Carolina should contact the dean of the College of Hospitality, Retail, and Sport Management if they plan to leave the University prior to completion of a baccalaureate program to enter an accredited medical or dental school.

Entrance Requirements

Admission to the B.A.I.S. degree program requires acceptance to the University (see "Admissions" section for application procedures) and approval by the B.A.I.S. Admissions Committee.

Since enrollment is limited, an admissions committee has been established to review applications for admission to the B.A.I.S. degree program. Specific application procedures are as follows:

Students currently enrolled at the University of South Carolina:

1. Complete an application form obtained from the College of Hospitality, Retail, and Sport Management, stating how the B.A.I.S. degree will better help you meet your particular interests and educational goals.
2. Send a transcript of all postsecondary education with your application to the dean, College of Hospitality, Retail, and Sport Management.
3. Develop and submit a proposed program that you believe will help you meet your educational and career goals.

The committee will accept applications subject to the following deadlines: fall—July 30; spring—November 30; summer—April 30. Allow two weeks for reply after application is received.

Students not currently enrolled at the University of South Carolina: Admission to the University must be obtained before admission to the B.A.I.S. program can be considered.

Programs

- Interdisciplinary Studies, B.A.I.S. (College of Hospitality, Retail, and Sport Management) (p. 413)

Courses

IDST 390 - Introduction to Interdisciplinary Inquiry (3 Credits)

A study of the history, philosophy, and theory of and modes of inquiry in interdisciplinary studies.

Interdisciplinary Studies, B.A.I.S. (College of Hospitality, Retail, and Sport Management)

The Bachelor of Arts in Interdisciplinary Studies (BAIS) program in the College of Hospitality, Retail and Sport Management (HRSM) at the University of South Carolina is a degree program that assists students in exploring interdisciplinary fields of study. The BAIS degree provides a pathway for degree completion with a goal of creating an integrated, interdisciplinary learning environment for analyzing and resolving issues in a variety of fields.

Learning Outcomes

- Students will be able to identify and/or analyze issues/problems in a chosen career field.
- Students will be able to develop logical and viable solutions to an issue/problem in a chosen career field.
- Students will be able to communicate ideas, issues/problems, solutions and/or research-based information clearly.

Progression Requirements

Entrance Requirements are:

1. students have previously completed at least 60 hours of college credit with at least a 2.0 institutional GPA or
2. be newly entering students, who are at least 25 years of age.

Requirements including students having previously completed at least 60 credit hours of college credit or be at least 25 years of age and having at least an Institutional 2.0 GPA are required.

Each student must work with a B.A.I.S. advisor to design an individualized program of study. The program of study must include at least 36 hours of 300-level UofSC course work and conform to all general University academic regulations for the baccalaureate degree. The B.A.I.S. requires a minimum of 120 approved hours to graduate. A minimum Institutional GPA of 2.0 is required for graduating from the program.

A minimum of 30 UofSC hours must be earned after acceptance into the B.A.I.S. program.

Subject to University and departmental policy, students may apply up to 60 semester hours earned in an accredited associate degree program toward fulfillment of B.A.I.S. requirements. All courses accepted toward fulfillment of the BAIS requirements, must be a C or better.

Interdisciplinary Studies majors may pursue a minor in any course of study offered by the College of HRSM as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

Admissions

Entrance Requirements

The College of Hospitality, Retail, and Sport Management has a pre-professional and a professional division of student classification. All new students will begin in the pre-professional division. Progression into the professional division requires the approval of the department and the successful completion of the requirements indicated under each departmental heading.

In addition to the academic admission requirements of the University and of the College of Hospitality, Retail, and Sport Management for admission to the pre-professional division, an enrollment limit into the professional division may be imposed by various departments. Such a limit would become necessary if enrollment levels exceed available department staffing and facility resources. In the event of an enrollment limit, admission to a department may take into account the applicant's grade point average and other factors which may include the applicant's potential for success in that major.

Freshmen Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, freshmen applicants must meet all University admission requirements through the Office of Undergraduate Admissions.

Transfer Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, transfer applicants from outside of the UofSC system must meet all University admission requirements through the Office of Undergraduate Admissions and have at least a 2.25 GPA. The Sport and Entertainment Management and the Retailing majors requires a higher GPA than the minimum University entrance standards. Transfer applicants for Sport and Entertainment must have a cumulative GPA of a 3.0 on all college-level work attempted. Transfer applicants for Retailing must have a cumulative GPA of a 2.5 on all college-level work attempted.

Students from other UofSC campuses who wish to enter the College of Hospitality, Retail, and Sport Management must fulfill one of the following requirements:

1. Be in good standing, meet all University admission requirements through the Office of Undergraduate Admissions, and have the cumulative GPA required for the program (see below).
2. Be in good standing and have completed 30 semester hours with the cumulative GPA required for the program (see below).

Required GPA for Change of Campus: hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.50; tourism management - 2.25; and sport and entertainment management - 3.0.

Students enrolled in other colleges on the Columbia campus must meet the following GPA requirements on all work taken: hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.50; tourism management - 2.25; and sport and entertainment management - 3.0.

Degree Requirements (120 hours)

Graduation requires an institutional 2.0 GPA and meeting all other requirements provided through the degree completion program.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	38-53
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- Two CC-ARP courses (p. 741)

SCI – Scientific Literacy (7 hours)

- Two CC-SCI courses (p. 741), including at least one laboratory.

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

Note: HRTM 280 is an option that meets this requirement.

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (38-53 hours)

Electives (38-53 hours)

- The BAIS curriculum includes 38-53 hours of electives depending on how students fulfill the Carolina Core requirements. Any course in the university can be used to satisfy the elective requirement including additional electives in the major.

4. Major Requirements (36 hours)

a minimum grade of C is required in all major courses

The major consists of at least 36 hours taken at the 300-level or above of USC coursework and 15 of those credit hours must be at the 400-level or above (including HRSM 497)

Major Courses (6 hours)

Course	Title	Credits
HRSM 301	HRSM Professional Development Seminar (with advisor approval)	3
or HRTM 344	Personnel Organization and Supervision	
HRSM 497	Senior Seminar	3
Total Credit Hours		6

Specializations or Thematic Model (30 hours)

The major coursework includes 30 hours of courses organized in one of two approaches and this is determined by the student with the advisor's approval.

- **Specializations** have at least 15 hours in each of two areas. Each course proposed must correspond to the intent of the specialization.
 - One specialization must be from one department within the College of HRSM and include a minimum of at least 15 credit hours.

- The other specialization is determined by the student with the advisor's approval and must include a minimum of at least 15 credit hours.
- **Thematic model** has at least 10 courses that correspond directly to a theme and that, when viewed collectively, will establish a minimum amount of depth in a chosen theme. The thematic approach must result in at least 30 credit hours.
 - The thematic model must include at least 15 credit hours taken within the courses offered by the College of HRSM.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Interdisciplinary Studies, B.A.I.S.

Retailing

Department Website (https://sc.edu/study/colleges_schools/hrsm/study/areasofstudy/retl/)

The Department of Retailing offers a program leading to the of bachelor of science degree with a major in retailing (with emphases in retail management and fashion merchandising). These programs emphasize a strong liberal arts background and are designed to prepare students for management positions in their respective fields.

The major in retailing, with options in retail management and fashion merchandising, prepares graduates for managerial careers in the retailing and fashion industries. In addition, the program prepares students for sales careers and ownership of retailing businesses. The program includes a core of liberal arts courses, specialized management courses related to the field, and an internship in the industry.

Programs

- Retailing Minor (p. 417)
- Retailing, B.S. (p. 417)

Courses

RETL 115 - Fashion History: A Global View (3 Credits)

Examination of influences on fashion throughout history both domestically and globally.

RETL 116 - Fashion Through the Ages: 1800 A.D. to Present (3 Credits)

Introduction to the history of fashion from 1800 A.D. to the present.

RETL 201 - Exploration of Retail Management and Fashion Merchandising Industries (3 Credits)

Exploration of retail management and fashion merchandising curriculum and careers.

RETL 216 - History of Designers (3 Credits)

Survey of influential fashion designers since 1857, examining their design influences and their contributions to fashion.

RETL 237 - The Changing Consumer Marketplace (3 Credits)

The economic problems of everyday life presented within a business framework, promoting the student's well-being as a consumer. Consideration is given to the economics of consumption, real income, consumer buying, consumer protection, operations leading to family prosperity, security, and estate planning.

RETL 242 - HRSM Professional Communications (3 Credits)

Theory, processes, and applications of business communications.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RETL 250 - Sustainability in Fashion and Retail (3 Credits)

Examination of concepts, practices, and opportunities of fashion sustainability (such as social and environmental responsibility) available to designers, developers and consumers.

RETL 261 - Principles of Accounting I (3 Credits)

A study of the accounting cycle with emphasis on preparation and analysis of financial statements.

RETL 262 - Principles of Accounting II (3 Credits)

A study of the preparation and interpretation of corporate financial statements with an emphasis on analysis and decision making techniques.

Prerequisites: RETL 261.

RETL 265 - Principles of Retailing (3 Credits)

Management methods, location analysis, store organization, personnel, planning, buying and pricing techniques, and customer service policies for retail firms.

RETL 268 - Principles of Fashion Merchandising (3 Credits)

The place of fashion in buying, selling, and promoting merchandise. Meets the needs of individuals in retail organizations from entry level to buyer.

RETL 295 - Retailing Practicum (3,6 Credits)

Supervised work experience in an area of the retail industry, selected by the student and approved by the instructor.

Prerequisites: C or better in RETL 265.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

RETL 310 - Digital Retailing (3 Credits)

Development of a comprehensive plan for implementing a retailing business online via digital technology.

Prerequisites: RETL 265.

RETL 330 - Asset Protection for Retailers (3 Credits)

Examination of asset protection and risk management issues which affect the retailing industry, such as retail risk assessment and response, loss prevention, employee-related risks, facility security, crisis management, and intellectual property protection.

Prerequisites: RETL 265.

RETL 344 - Personnel Organization and Supervision (3 Credits)

Recruitment, selection, utilization, and development of human resources; role of supervisors in management and personnel administration.

Cross-listed course: HRTM 344

RETL 350 - Sales Strategies (3 Credits)

Theories, principles, and techniques of personal selling with application to different buyer-seller situations.

RETL 351 - Retail Entrepreneurship (3 Credits)

Essentials of creating and operating a new retail venture in physical and virtual environments.

RETL 362 - Principles of Customer Service (3 Credits)

Essential skills necessary to manage successful service operations, including retail, e-commerce, hospitality/tourism, food/beverage, and sports/event organizations.

RETL 365 - Visual Merchandising and Store Design (3 Credits)

Displays and visual merchandising strategies.

RETL 366 - Retail Buying (3 Credits)

Planning, purchasing, and controlling inventories.

Prerequisites: RETL 261.

RETL 368 - Fashion Product Analysis (3 Credits)

Analysis of fashion products with emphasis on textile selection, product construction, life cycle, cost elements, and the changing demographics of the fashion consumer.

RETL 369 - Retail Promotion (3 Credits)

Planning and executing retail promotion strategies.

RETL 371 - Advanced Retail Accounting (3 Credits)

Accounting topics related to retail establishment with emphasis on managerial interpretation and use.

RETL 385 - Global Sourcing in Retail and Fashion (3 Credits)

Exploration of theoretical, political, economic, social, and environmental implications of global sourcing decisions in retail and fashion.

Prerequisites: D or better in RETL 261 and RETL 265.

RETL 388 - Fashion Forecasting (3 Credits)

Forecasting fashion trends to impact retail merchandising performance.

RETL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RETL 425 - Customer Experience Management (3 Credits)

Study of customer trends and experience management.

Prerequisites: C or better in RETL 265.

RETL 460 - Retail Branding Strategies (3 Credits)

Overview of retail branding strategies with emphasis on implications of the development of brand equity towards increasing customer loyalty.

RETL 462 - Merchandise Management Strategies (3 Credits)

The knowledge of the principles of merchandising as applied in manufacturing and retailing business organization and understanding of the retail buyer's role in merchandise management including merchandise planning, negotiating, buying, pricing, assorting, and timing.

Prerequisites: RETL 366 and RETL 368.

RETL 472 - Category Management (3 Credits)

Application of category management principles and models to competitive behavior in retailing with a focus on product category issues. Case-based analysis and/or JDA computer software will be applied to industry-specific problems related to inventory management.

Prerequisites: C or better in RETL 265.

RETL 485 - Multi-National Retailing (3 Credits)

Retail operations within foreign environments.

RETL 487 - Retail Management Strategies (3 Credits)

Application of strategic management principles and models to competitive behavior in retailing.

Prerequisites: RETL 366.

RETL 495 - Retailing Internship (6 Credits)

Supervised work experience within the retail industry that links classroom learning and student interest with the acquisition of knowledge in an applied work setting.

Prerequisites: RETL 295.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

RETL 525 - Legal Aspects of Entrepreneurship and E-Commerce (3 Credits)

Examination of domestic and international laws affecting retail entrepreneurship and online commerce, such as data privacy and breach response, intellectual property protection, sales tax, advertising and unfair trade practices, consumer protection laws, employment laws, and legal obligations involving physical locations.

Prerequisites: SPTE 240 or equivalent.

RETL 530 - Fashion and the Law (3 Credits)

Examination of domestic and international laws which affect the fashion industry, such as intellectual property protection, licensing agreements, operational and marketing issues, and international trade.

Prerequisites: SPTE 240 or equivalent.

RETL 535 - Retail Logistics (3 Credits)

Examination of the flow of retail inventory from initial production to final purchase. Meets the needs of individuals in retail organizations from entry-level sales floor personnel to buyers. Students must be qualified to enroll in a 500 level course at The University of South Carolina.

RETL 551 - Retail and Fashion Business Planning (3 Credits)

Essential skills for building a new or expanding an existing retail or fashion business in both brick-and-mortar and online venues by developing a marketing plan and corresponding e-Commerce website for a business or fashion organization.

Prerequisites: RETL 351.

RETL 562 - Advanced Merchandising Management Strategies (3 Credits)

The analysis of assortment planning and inventory management of apparel products utilizing merchandising principles and industry software.

RETL 569 - Advanced Retail Promotion and Social Media Analytics (3 Credits)

Essential principles and analytical tools used in retail promotion; appraisal of methods and outcomes via field experiences, visuals, and simulations.

RETL 590 - Special Topics in Retail Management (3 Credits)

Course content varies. May be repeated once under a different title.

RETL 592 - Retailing/Fashion Merchandising Field Study (3 Credits)

Study of international/domestic fashion manufacturers, retailers, ancillary businesses, and selected resident buying offices. May be repeated once for credit. Must be in good standing with a 2.0 GPA or better; No pending or past judicial council infractions.

RETL 600 - Fundamentals of Omni-Channel Retailing (3 Credits)

Exploration of the fundamentals of Omni-Channel Retailing.

RETL 640 - Personnel Development & Relations Management (3 Credits)

Advanced examination of human resource management within retail organizations.

RETL 662 - Customer Relationship Management for the Retail Industry (3 Credits)

The analysis of customer relationship management for retailers utilizing merchandising principles and industry software.

Retailing Minor

Minor Requirements

Course	Title	Credits
Required Course		
RETL 265	Principles of Retailing	3
Electives		
Select five of the following:		15
RETL 115	Fashion History: A Global View	
RETL 116	Fashion Through the Ages: 1800 A.D. to Present	
RETL 216	History of Designers	
RETL 237	The Changing Consumer Marketplace	
RETL 268	Principles of Fashion Merchandising	
RETL 350	Sales Strategies	
RETL 351	Retail Entrepreneurship	
RETL 369	Retail Promotion	
RETL 592	Retailing/Fashion Merchandising Field Study	
Total Credit Hours		18

Retailing, B.S.

Mission

The mission of the Department of Retailing is to prepare graduates for careers in the Retailing industry and Retailing-related fields which offer upward mobility via management positions.

Learning Outcomes

- Students should be able to evaluate the role of retailing as an important element in the U.S. economy.
- Students should be able to evaluate a problem within a retail setting.
- Students should be able to assess the internship company's role of strategic planning in retailing.

Required GPA for Transfer Students

Transfer students must have a minimum average GPA of 2.50 to enroll in the Department of Retailing.

Course Grade Requirements

A Bachelor of Science Degree in Retailing consists of the Carolina Core, College of HRSM Required Courses, Major Coursework, Concentration Requirements, and Electives.

All courses listed under CMW, College Required Coursework, Major Coursework, and Concentration Requirements must be completed with a grade of C or better.

Admissions

Entrance Requirements

The College of Hospitality, Retail, and Sport Management has a pre-professional and a professional division of student classification. All new students will begin in the pre-professional division. Progression into the professional division requires the approval of the department and the successful completion of the requirements indicated under each departmental heading.

In addition to the academic admission requirements of the University and of the College of Hospitality, Retail, and Sport Management for admission to the pre-professional division, an enrollment limit into the professional division may be imposed by various departments. Such a limit would become necessary if enrollment levels exceed available department staffing and facility resources. In the event of an enrollment limit, admission to a department may take into account the applicant's grade point average and other factors which may include the applicant's potential for success in that major.

Freshmen Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, freshmen applicants must meet all University admission requirements through the Office of Undergraduate Admissions.

Transfer Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, transfer applicants from outside of the USC system must meet all University admission requirements through the Office of Undergraduate Admissions and have at least a 2.25 GPA. The Sport and Entertainment Management and the Retailing majors requires a higher GPA than the minimum University entrance standards. Transfer applicants for Sport and Entertainment must have a cumulative GPA of a 3.0 on all college-level work attempted. Transfer applicants for Retailing must have a cumulative GPA of a 2.5 on all college-level work attempted.

Students from other USC campuses who wish to enter the College of Hospitality, Retail, and Sport Management must fulfill one of the following requirements:

1. Be in good standing, meet all University admission requirements through the Office of Undergraduate Admissions, and have the cumulative GPA required for the program (see below).
2. Be in good standing and have completed 30 semester hours with the cumulative GPA required for the program (see below).

Required GPA for Change of Campus: hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.50; tourism management - 2.25; and sport and entertainment management - 3.0.

Students enrolled in other colleges on the Columbia campus must meet the following GPA requirements on all work taken :hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.5; tourism management - 2.25; and sport and entertainment management - 3.0.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	21
3. Program Requirements	2-14
4. Major Requirements	54

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

Option 1

- MATH 122
- Plus an additional CC-ARP course (p. 741) from one of the following:
 - Another MATH at a higher level
 - One STAT course
 - One CSCE course

Option 2

Choose 2 CC-ARP courses (p. 741) in the same field, except MATH, from either:

- STAT or
- CSCE

SCI – Scientific Literacy (7 hours)

Two approved CC-SCI courses (p. 741) from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language

placement test or by completing one foreign language course through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- SPCH 140 or SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (21 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
HRSM 301	HRSM Professional Development Seminar	3
HRTM 344	Personnel Organization and Supervision	3
RETL 242	HRSM Professional Communications	3
RETL 261	Principles of Accounting I	3
RETL 262	Principles of Accounting II	3
SPTE 240	Business Law	3
SPTE 274	Computer Applications in Hospitality, Retail, and Sport Management	3
Total Credit Hours		21

3. Program Requirements (2-14 hours)

Minor (18 hours) optional

Retailing majors may pursue a minor in any course of study offered by the College of HRSM or the University outside the Department of Retailing. College of HRSM required courses may not be counted toward a minor.

Electives (2-14 hours)

The additional hours of electives may vary depending upon how students fulfill the Carolina Core requirements.

4. Major Requirements (54 hours)

A minimum grade of C is required in all major courses

Retailing majors must select a concentration in either Retail Management or Fashion Merchandising and Digital Innovations. The Department of Retailing does not offer a retailing major without a concentration.

Major Courses (33 hours)

Course	Title	Credits
RETL 201	Exploration of Retail Management and Fashion Merchandising Industries	3
RETL 265	Principles of Retailing	3
RETL 295	Retailing Practicum	3,6
RETL 310	Digital Retailing	3
RETL 366	Retail Buying	3
RETL 369	Retail Promotion	3
RETL 425	Customer Experience Management	3
RETL 485	Multi-National Retailing	3
RETL 495	Retailing Internship ¹	6
Total Credit Hours		30-33

- ¹
- Restricted to retailing majors.
 - Students in RETL 495 may enroll in up to 7 additional credits for a total of 13 credit hours. Students will not be permitted to enroll in more than 13 total credit hours while completing RETL 495.
 - It is strongly recommended that students do not take additional courses while completing RETL 495.
 - Course is offered fall, spring and summer; summer is the preferred time for students to complete the course.
 - Students are responsible for securing their own internship and should contact the internship director for assistance and resources to identify and apply for opportunities of interest.

Concentrations (21 hours)

Choose a concentration in either Fashion Merchandising and Digital Innovations or Retail Management.

Fashion Merchandising and Digital Innovations (21 hours)

Course	Title	Credits
RETL 268	Principles of Fashion Merchandising	3
RETL 365	Visual Merchandising and Store Design	3
RETL 368	Fashion Product Analysis	3
RETL 385	Global Sourcing in Retail and Fashion	3
RETL 462	Merchandise Management Strategies	3
Select two of the following:		6

RETL 115	Fashion History: A Global View
RETL 116	Fashion Through the Ages: 1800 A.D. to Present
RETL 237	The Changing Consumer Marketplace
RETL 250	Sustainability in Fashion and Retail
RETL 330	Asset Protection for Retailers
RETL 350	Sales Strategies

RETL 351	Retail Entrepreneurship
RETL 362	Principles of Customer Service
RETL 388	Fashion Forecasting
RETL 460	Retail Branding Strategies
RETL 472	Category Management
RETL 487	Retail Management Strategies
RETL 530	Fashion and the Law
RETL 551	Retail and Fashion Business Planning
RETL 562	Advanced Merchandising Management Strategies
RETL 590	Special Topics in Retail Management
RETL 592	Retailing/Fashion Merchandising Field Study

Total Credit Hours 21

Retail Management (21 hours)

Course	Title	Credits
RETL 330	Asset Protection for Retailers	3
RETL 350	Sales Strategies	3
RETL 351	Retail Entrepreneurship	3
RETL 362	Principles of Customer Service	3
RETL 472	Category Management	3
Select two of the following: 6		
RETL 237	The Changing Consumer Marketplace	
RETL 250	Sustainability in Fashion and Retail	
RETL 268	Principles of Fashion Merchandising	
RETL 365	Visual Merchandising and Store Design	
RETL 368	Fashion Product Analysis	
RETL 460	Retail Branding Strategies	
RETL 462	Merchandise Management Strategies	
RETL 487	Retail Management Strategies	
RETL 525	Legal Aspects of Entrepreneurship and E-Commerce	
RETL 551	Retail and Fashion Business Planning	
RETL 562	Advanced Merchandising Management Strategies	
RETL 590	Special Topics in Retail Management	
RETL 592	Retailing/Fashion Merchandising Field Study	

Total Credit Hours 21

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Retailing, B.S. Fashion Merchandising & Digital Innovations Concentration

Retailing, B.S. Retail Management Concentration

School of Hotel, Restaurant and Tourism Management

Department Website (https://www.sc.edu/study/colleges_schools/hrsm/study/areasofstudy/hrtm/)

The School of Hotel, Restaurant, and Tourism Management offers two bachelor degree programs: a Bachelor of Science degree with a major in Hospitality Management and a Bachelor of Science in Tourism Management.

Admissions Requirements

Admission for incoming freshmen to the School of Hotel, Restaurant and Tourism Management conforms to the admissions requirements for the University of South Carolina. Transfer applicants from regionally accredited colleges and universities are required to have a minimum grade point average of 2.25 (on a 4.00 scale) on all college-level courses attempted.

Programs

- Hospitality Management, B.S. (p. 424)
- Hotel, Restaurant and Tourism Management Minor (p. 426)
- Tourism Management, B.S. (p. 427)

Courses

HRTM 110 - Introduction to Hospitality Industry (3 Credits)

History, growth, developments, and future opportunities in the hospitality industry.

HRTM 160 - Breads, Pastas and Sauces (1 Credit)

Hands-on training in the basic foundations of breads, pastas, and sauces. Basic bread types, pasta shapes, pasta sauces, food safety, and new techniques to create personalized dishes.

HRTM 161 - Breakfast (1 Credit)

Hands-on training in the basic foundations of meal preparation, simple breakfast staples, egg cookery, alternative breakfasts, basic food safety, and new techniques to create personalized dishes.

HRTM 162 - Cooking for Two (1 Credit)

Hands-on training in the basic foundations of cooking complete dinners for two people. Includes effective purchasing, appetizers, complete meals, proper table set-up, desserts, and special meal ideas.

HRTM 163 - Desserts (1 Credit)

Hands-on training in the basic foundations of meal preparation, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 164 - Introduction to Healthy Mediterranean Cooking (1 Credit)

Basic elements of the traditional Mediterranean diet, cooking techniques, and how to cook and eat to stay fit and healthy.

HRTM 165 - Introduction to Cooking (1 Credit)

Hands-on training in the basic foundations of meal preparation, cooking basics, simple sauces, complete meals, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 166 - Simply French (1 Credit)

Hands-on training in the basic foundations of meal preparation, French cooking basics, simple sauces, complete meals, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 167 - Simply Italian (1 Credit)

Hands-on training in the basic foundations of classical Italian dishes, including sauteing, frying, and braising, basic food safety, and new techniques to create personalized dishes.

HRTM 168 - Tailgating 101 (1 Credit)

Hands-on training in the basic foundations of classic tailgating dishes, including grilling, frying, and braising, basic food safety, and new techniques to create personalized dishes.

HRTM 169 - ServSafe Sanitation (1 Credit)

Food safety and sanitation in a commercial kitchen operation.

HRTM 190 - Special Topics in Culinary Arts (1-3 Credits)

Special topics within the culinary discipline designed to give students a hands-on approach to learning special techniques, cooking styles and preparation, and practical application used in the foodservice industry. Content varies by title. May be repeated.

HRTM 228 - Purchasing and Controls (3 Credits)

A study of the major foods, beverages, and supplies that are purchased in hotels, motels, and food-service establishments as well as techniques on how to control their distribution within the operation.

HRTM 230 - Hospitality Management (3 Credits)

Tools available to management and their utilization in the hospitality industry.

HRTM 260 - Hotel Management (3 Credits)

Management of the lodging phase of the hospitality industry to include front desk, housekeeping, and maintenance areas.

HRTM 262 - Spa Management (3 Credits)

Basic introduction to the spa segment with an overview on establishing a spa business, operations and management, business skills, and knowledge of future trends in the industry.

HRTM 270 - Quantity Food Production (3 Credits)

The basics of food production from storeroom to consumer. Various techniques of storage, preparation, merchandising, and menu-planning, as well as the many aspects of service. One lecture and three laboratory hours per week.

Prerequisites: C or better in HRTM 169 or proof of ServSafe Manager Certification.

HRTM 275 - Introduction to Beverage Management (3 Credits)

Introduction to Beverage Management, is an introductory course designed to give students a broad understanding of the beverage industry.

HRTM 280 - Foundations of Tourism (3 Credits)

Basic introduction to the social science of tourism in the US and the world, including definitional issues, motivations for travel, factors influencing demand-side and supply-side growth, the tourism product, market segmentation and marketing, socioeconomic, and ecological impacts, and destination life cycle dynamics. May not be used to satisfy Carolina Core requirements for HRTM majors.

Carolina Core: GSS

HRTM 285 - Club Management (3 Credits)

Unique problems and issues associated with private club management.

HRTM 290 - Hospitality and Tourism Practicum (3,6 Credits)

Supervised full-time work experience in an area of the hospitality and tourism industry, selected by the student and approved by the practicum coordinator. 400 hours required for 6 credit hours, 200 hours required for 3 credit hours.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

HRTM 340 - Nutrition (3 Credits)

The utilization of food by the body; menu planning and food production for institutions in relation to regular and modified diets.

HRTM 344 - Personnel Organization and Supervision (3 Credits)

Recruitment, selection, utilization, and development of human resources; role of supervisors in management and personnel administration.

Cross-listed course: RETL 344

HRTM 352 - Software Applications for the Hospitality Industry (3 Credits)

Using microcomputer software in various areas of the hospitality industry.

Prerequisites: ITEC 264.

HRTM 355 - Physical Plant Design (3 Credits)

Design, equipment, and maintenance of hospitality facilities.

HRTM 357 - Hotel and Restaurant Law (3 Credits)

A comprehensive overview of laws and regulatory agencies governing the lodging and food services industries.

Prerequisites: C or better in SPTE 240.

HRTM 362 - Wedding Planning and Management (3 Credits)

Sociocultural, political, economic, religious, and legal influences on wedding planning and business strategies will be explored as background to practices relevant to successful wedding planning and consultancy for diverse clients.

HRTM 364 - Conference and Meeting Planning (3 Credits)

Planning and managing conferences and meetings in the tourism industry.

HRTM 370 - Restaurant Food Production Management (3 Credits)

Management techniques and operating problems in food service operations. One lecture and five laboratory hours per week.

Prerequisites: HRTM 270.

HRTM 372 - Catering Management (3 Credits)

Management techniques, including planning, production, and performance of off-premise catering.

Prerequisites: HRTM 270.

HRTM 375 - Wine, Beverage and Culture (3 Credits)

This course provides a broad base of knowledge, covering all commercially relevant beverages including origins, tradition and culture.

HRTM 376 - Contract Foodservice Management (3 Credits)

Issues related to the management of contract foodservice accounts.

HRTM 381 - Travel and Destination Management (3 Credits)

Describes role of travel agencies, tour operators, tour guides, transportation providers, and attractions as critical sectors within the travel industry.

Prerequisite or Corequisite: HRTM 280.

HRTM 382 - Travel and Tourism Law (3 Credits)

This course focuses on legal issues affecting the tourism industry, including international travel law, travel litigation, liability, and topics specific to travel agencies, carriers, attractions, and destinations.

HRTM 383 - Ecotourism (3 Credits)

Focuses on tourism that is nature-based and entails a learning component while being managed for environmental, economic, and sociocultural sustainability.

Prerequisite or Corequisite: HRTM 280.

HRTM 384 - Cultural and Heritage Tourism (3 Credits)

The effective presentation, development, management, and marketing of cultural and heritage tourist attractions, including battlefields, plantations, and pilgrimage sites.

Prerequisite or Corequisite: HRTM 280.

HRTM 386 - Tourism Festival Planning and Management (3 Credits)

Planning, marketing, sponsorship, budgeting, management, impacts, and evaluation of successful and sustainable special tourism festivals are discussed from both a theoretical and practical perspective.

Prerequisite or Corequisite: HRTM 280.

HRTM 387 - Cruise Ship Industry (3 Credits)

Organization, market segmentation, marketing, design, anatomy of experience, environmental and social impacts, health and safety, and trends within cruising.

Prerequisite or Corequisite: HRTM 280.

HRTM 388 - Resort Development and Management (3 Credits)

Examines effective practices in the sustainable planning, development, and management of resorts and spas, including host community relations, social effects, design, marketing, operations, finance, and recreation programming.

Prerequisite or Corequisite: HRTM 280.

HRTM 389 - International Tourism Field Experience (3 Credits)

An experiential field trip where students evaluate selected tourism issues and products in an international destination.

Prerequisite or Corequisite: HRTM 280.

HRTM 390 - Special Topics in HRTM (3 Credits)

Concepts, issues, and trends in the hospitality and tourism industry.

HRTM 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

HRTM 410 - HRTM Current Issues (3 Credits)

Issues and problems concerning the hospitality industry.

HRTM 421 - Hospitality Financial Management (3 Credits)

Financial decision making including ratio analysis, asset management, leverage, short, intermediate, and long-term financing in the hospitality industry.

Prerequisites: RETL 262.

HRTM 428 - Sustainable Foodservice Systems (3 Credits)

Factors affecting the food supply in the United States and world. The class will explore the economic, political, legal, and societal forces affecting the distribution system of our food supply.

Prerequisites: HRTM 228.

HRTM 440 - Services Management for Hospitality and Tourism (3 Credits)

Management issues pertinent to quality service delivery in hospitality and tourism organizations.

HRTM 450 - Hospitality and Tourism Marketing (3 Credits)

Application of marketing principles and promotional techniques to the hospitality and travel industry.

HRTM 455 - Hospitality Sales Management (3 Credits)

Basic sales management policies and procedures within the hospitality industry with emphasis on sales planning, preparation, presentations and client contact within hospitality organizations.

Prerequisite or Corequisite: HRTM 260.

HRTM 470 - Current Issues in Nutrition (3 Credits)

Basic nutrition concepts as a foundation to address nutrition, health trends, concerns, and current nutritional issues in the modern world.

Prerequisites: HRTM 340.

HRTM 473 - Club Cuisine and Service (3 Credits)

Advanced topics in the management of production and service techniques for private clubs.

Prerequisites: HRTM 270, HRTM 285.

HRTM 475 - Wines and Spirits in Food Service Establishments (3 Credits)

Management overview and operating problems of beverages in the hospitality industry.

HRTM 476 - Craft Beer (3 Credits)

Study of craft beer through exploration of current trends, countries of origin, beer styles, flavor profiles, food flavor pairings and best business practices. Students must be 21 years old.

HRTM 481 - Analytical Techniques in Tourism and Hospitality (3 Credits)

Examination and application of analytical and research methods to tourism and hospitality problems.

Prerequisites: STAT 201 or equivalent.

Graduation with Leadership Distinction: GLD: Research

HRTM 482 - Sustainable Tourism Planning and Policy (3 Credits)

Principles and practice of tourism planning fostering sustainable tourism development at international, national, state, regional, local and site levels.

HRTM 483 - Tourism Economics (3 Credits)

Macro- and microeconomic dimensions of tourism are considered in relation to the demand and supply of tourism products at the national, state, regional, and local levels.

Prerequisites: ECON 224.

HRTM 485 - Sustainable Tourism (3 Credits)

Principles and practices of environmental, economic, and sociocultural sustainability in tourism are described and analyzed.

HRTM 490 - Hospitality Management Strategies (3 Credits)

Contemporary management strategies applied to the hospitality industry.

Prerequisites: MGMT 371.

HRTM 495 - Hospitality and Tourism Internship (6 Credits)

Structured industry practical experience in a hospitality or tourism company. 400 hours required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

HRTM 518 - Hospitality Human Capital and Talent Management (3 Credits)

This course will help students learn and apply concepts comprising talent management, including the role that talent management plays in the strategic management of hospitality and tourism operations, diversity, recruitment, selection, training and development of talent within the organization, as well as performance management for hospitality supervisors and management.

HRTM 521 - Revenue Management in the Hospitality Industry (3 Credits)

Examination of revenue management in the hospitality industry with an emphasis on the theory and dynamics of revenue management, the implementation of capacity management, forecasting and discounting.

Prerequisites: HRTM 450.

Corequisite: HTRM 421.

HRTM 537 - Diversity and Inclusion in the Hospitality and Tourism Industry (3 Credits)

Multicultural, multiracial, and multiethnic factors within the hospitality and tourism industry.

Prerequisites: MGMT 371 or RETL 344.

HRTM 550 - Theme Park and Attractions Management (3 Credits)

This course will give students an overview of the theme park and attractions industry. We will explore each of the areas of this industry including: history, venues, resources, ride operations, merchandising, food service and design.

HRTM 557 - Security Management of Hotels and Restaurants (3 Credits)

Individualized security programs, procedures, legal issues, and review of local, state, and federal laws that apply to the lodging and restaurant industry.

Prerequisites: HRTM 357 or equivalent.

HRTM 560 - Advanced Lodging Management (3 Credits)

Advanced principles of the management of hotels and resorts.

Prerequisites: HRTM 260.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

HRTM 564 - Advanced Meeting Management (3 Credits)

Analysis of current issues and problems in the meetings industry with emphasis on planning, organizing, managing, and enhancing meetings.

Prerequisites: HRTM 364.

HRTM 565 - International Lodging Management (3 Credits)

Analysis of the structure of international lodging companies, challenges of marketing U.S. lodging companies abroad, and cultural differences in international management.

Prerequisites: HRTM 260.

HRTM 567 - Timeshare and Vacation Ownership Management (3 Credits)

Management of the timeshare and vacation ownership industry.

HRTM 570 - Managing Food Service Operations (3 Credits)

An advanced study of the food-service industry and its operations both internally and externally to the physical plant.

Prerequisites: HRTM 270.

HRTM 574 - The Global Business of Beverage Management (3 Credits)

The Global Business of Beverage Management, exploring the global beverage industry from product management perspective, from raw materials to end user.

Prerequisites: C or better in HRTM 475 or HRTM 575.

HRTM 575 - Advanced Topics in Wine (3 Credits)

A viticultural and enological study of wine and wine regions around the world; from the vineyard to the table including grape varieties, wine regions and wine service. Students must be 21 years old.

Prerequisites: HRTM 475.

HRTM 576 - Franchising within the Hospitality Industry (3 Credits)

This course will focus on the study of multi-unit and franchise operations within the hospitality and tourism industry.

Prerequisites: C or better in MGMT 371.

HRTM 580 - Adventure Travel Management (3 Credits)

Analysis of the adventure travel industry throughout the world, with emphasis on the management, marketing, and operation of an adventure travel business.

HRTM 584 - Tourism Information Technology Issues (3 Credits)

Information technologies such as e-commerce, e-marketing, and e-research are examined, critiqued, and applied within a tourism context.

Prerequisites: C or better in SPTE 274.

HRTM 585 - Advanced Club Management (3 Credits)

Advanced topics in hospitality management for the club industry.

Prerequisites: HRTM 285.

HRTM 590 - Special Topics in HRTM (3 Credits)

Advanced concepts, issues, and trends in the hospitality and tourism industry. May be taken twice for degree credit.

HRTM 591 - Golf Tourism (3 Credits)

Effective practices used in the planning, development, and promotion of golf tourism. Experiential learning component for evaluating selected issues, problem solving, and participating in the operational performance of a large golf tournament. Employment with a pre-approved golf tournament or permission of instructor.

HRTM 592 - Golf Tourism Consumer Services (1 Credit)

Examines superior customer service in high-quality business operations for a mega golf- tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591.

HRTM 593 - Golf Tourism Supervisory Skills (1 Credit)

Examines basic supervisory skills in high-quality business operations for a mega golf-tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591, HRTM 592.

HRTM 594 - Golf Tourism Leadership Skills (1 Credit)

Examines management and leadership skills in high-quality business operations for a mega golf-tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591, HRTM 592, HRTM 593.

HRTM 595 - Hospitality and Tourism Management Field Study (3 Credits)

Immersive study of international/domestic hospitality or tourism companies in a specially chosen host country or region of the United States. Students must have a minimum GPA of 2.0; no pending or past judicial council infractions.

HRTM 597 - Global Travel and Tourism (3 Credits)

Study of the economic, social, cultural, political, and environmental considerations of international tourism management and development.
Prerequisites: HRTM 280.

Hospitality Management, B.S.

The Bachelor of Science with a major in Hospitality Management is designed to prepare students for managerial and leadership roles in the hospitality industry, including hotels, resorts, restaurants, events and weddings, and private clubs.

The mission of the School of Hotel, Restaurant, and Tourism Management (HRTM) is to educate global leaders for the hospitality and tourism industry through innovative and experiential curriculum, research, and community engagement.

The program provides a comprehensive curriculum that includes courses in general education, business, and hospitality and tourism management, combined with relevant operational management experience under the guidance of supervision of industry professionals and program faculty.

The School of Hotel, Restaurant and Tourism Management prepares students for responsible citizenship roles in business and society. It enables them to understand and apply the concepts of problem-solving in general, and in organizational and industry-related issues.

The HRTM faculty provide uncompromising individualized attention to meeting the educational needs of our students and assume very active, and influential roles in numerous professional organizations, at all levels.

Learning Outcomes

- Students should be able to apply strategic management principles to identify hospitality industry problems and utilize analytical reasoning to formulate solutions.
- Students should be able to interpret, evaluate and explain general and industry-specific financial documents and trends.
- Students should be able to examine and apply current marketing techniques and principles related to the uniqueness of our industry.
- Students should be able to demonstrate effective management practices in an operational food and beverage environment.
- Students should be able to apply effective human resource strategies, inclusive of hiring, training and performance evaluations to service organizations' cultures.
- Students should be able to evaluate service management strategies used to differentiate hospitality organizations.

Progression Requirements

In order to enroll in the Professional Division of the Hospitality Management program, a student must complete 48 credit hours in the courses indicated as Pre-Professional Division with a minimum grade point average of 2.25. Pre-Professional Division courses include the following:

- Carolina Core Courses within the CMW, ARP, and CMS areas
- Pre-Professional College Required Courses
- Pre-Professional Related Area Courses
- Pre-Professional Major Courses

Admissions

Entrance Requirements

The College of Hospitality, Retail, and Sport Management has a pre-professional and a professional division of student classification. All new students will begin in the pre-professional division. Progression into the professional division requires the approval of the department and the successful completion of the requirements indicated under each departmental heading.

In addition to the academic admission requirements of the University and of the College of Hospitality, Retail, and Sport Management for admission to the pre-professional division, an enrollment limit into the professional division may be imposed by various departments. Such a limit would become necessary if enrollment levels exceed available department staffing and facility resources. In the event of an enrollment limit, admission to a department may take into account the applicant's grade point average and other factors which may include the applicant's potential for success in that major.

Freshmen Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, freshmen applicants must meet all University admission requirements through the Office of Undergraduate Admissions.

Transfer Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, transfer applicants from outside of the UofSC system must meet all University admission requirements through the Office of Undergraduate Admissions and have at least a 2.50 GPA.

Students from other UofSC campuses who wish to enter the College of Hospitality, Retail, and Sport Management must fulfill one of the following requirements:

1. Be in good standing, meet all University admission requirements through the Office of Undergraduate Admissions, and have the cumulative GPA required for the program (see below).
2. Be in good standing and have completed 30 semester hours with the cumulative GPA required for the program (see below).

Required GPA for Change of Campus: hospitality management - 2.50; tourism management - 2.50

Students enrolled in other colleges on the Columbia campus: must meet the following GPA requirements on all work taken: hospitality management - 2.50; tourism management - 2.50

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	21
3. Program Requirements	6-17
4. Major Requirements	51

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

Option 1

- MATH 122 or MATH 141
- Plus an additional course from one of the following:
 - Mathematics (at the next higher level)
 - Computer Science
 - Statistics
 - PHIL 114
 - PHIL 111

Option 2

Choose 1 from the following:

- Two courses from Computer Science
- Two courses from Statistics
- PHIL 111 & PHIL 114

SCI – Scientific Literacy (7 hours)

- Two approved CC-SCI courses (p. 741)s from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- Select one of the following:
 - SPCH 140
 - SPCH 145
 - SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (21 hours)

Course	Title	Credits
HRSM 301	HRSM Professional Development Seminar	3
HRTM 344	Personnel Organization and Supervision	3
RETL 242	HRSM Professional Communications	3
RETL 261	Principles of Accounting I (must be passed with a grade of C or higher)	3
RETL 262	Principles of Accounting II (must be passed with a grade of C or higher)	3
SPT 240	Business Law	3
SPT 274	Computer Applications in Hospitality, Retail, and Sport Management	3
Total Credit Hours		21

3. Program Requirements (6-17 hours)

Supporting Courses (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MGMT 371	Principles of Management	3
Total Credit Hours		6

Minor (18 hours) *optional*

Minors are optional for Hospitality Management majors and may be in any course of study offered by the College of HRSM as well as any other

University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

Electives (0-11 hours)

The number of approved electives needed for the Hospitality Management Major Curriculum depends upon how students fulfill the Carolina Core Requirements and the optional selection of a minor. Any course in the University can be used to satisfy the elective requirement, including additional electives in the major field area.

4. Major Requirements (51 hours)

A minimum grade of C is required in all major courses

Major Courses (36 hours)

Course	Title	Credits
HRTM 110	Introduction to Hospitality Industry	3
HRTM 260	Hotel Management	3
HRTM 270	Quantity Food Production	3
HRTM 280	Foundations of Tourism	3
HRTM 285	Club Management	3
HRTM 370	Restaurant Food Production Management	3
HRTM 421	Hospitality Financial Management	3
HRTM 440	Services Management for Hospitality and Tourism	3
HRTM 450	Hospitality and Tourism Marketing	3
HRTM 490	Hospitality Management Strategies	3
HRTM 495	Hospitality and Tourism Internship (must be completed in a club setting for the Club Management Concentration)	6
Total Credit Hours		36

Major Electives (15 hours)

Chosen in consultation with an advisor who can provide a list of recommended courses by focus area; at least 6 hours must be from HRTM.

Club Management Concentration (6 hours) *optional*

Students may obtain a Club Management Concentration by completing HRTM 495 in a private club setting. In addition, two of the following courses must be completed for a total of 6 credits.

Course	Title	Credits
Select two of the following:		
HRTM 473	Club Cuisine and Service	3
HRTM 475	Wines and Spirits in Food Service Establishments	3
HRTM 585	Advanced Club Management	3
HRTM 591	Golf Tourism	3

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Hospitality Management, BS No Concentration

Hospitality Management, BS Club Management Concentration

Hotel, Restaurant and Tourism Management Minor

Minor Requirements

Course	Title	Credits
Select six of the following: ¹		
HRTM 110	Introduction to Hospitality Industry ²	3
HRTM 228	Purchasing and Controls	3
HRTM 230	Hospitality Management	3
HRTM 260	Hotel Management	3
HRTM 280	Foundations of Tourism	3
HRTM 285	Club Management	3
HRTM 340	Nutrition	3
HRTM 357	Hotel and Restaurant Law	3
HRTM 362	Wedding Planning and Management	3
HRTM 364	Conference and Meeting Planning	3
HRTM 376	Contract Foodservice Management	3
HRTM 381	Travel and Destination Management	3
HRTM 382	Travel and Tourism Law	3
HRTM 383	Ecotourism	3
HRTM 384	Cultural and Heritage Tourism	3
HRTM 386	Tourism Festival Planning and Management	3
HRTM 387	Cruise Ship Industry	3
HRTM 388	Resort Development and Management	3
HRTM 410	HRTM Current Issues	3
HRTM 440	Services Management for Hospitality and Tourism	3
HRTM 475	Wines and Spirits in Food Service Establishments	3
HRTM 481	Analytical Techniques in Tourism and Hospitality	3
HRTM 482	Sustainable Tourism Planning and Policy	3
HRTM 483	Tourism Economics	3
HRTM 584	Tourism Information Technology Issues	3
HRTM 485	Sustainable Tourism	3
HRTM 518	Hospitality Human Capital and Talent Management	3
HRTM 537	Diversity and Inclusion in the Hospitality and Tourism Industry	3
HRTM 557	Security Management of Hotels and Restaurants	3
HRTM 560	Advanced Lodging Management	3
HRTM 564	Advanced Meeting Management	3
HRTM 565	International Lodging Management	3
HRTM 567	Timeshare and Vacation Ownership Management	3
HRTM 570	Managing Food Service Operations	3
HRTM 576	Franchising within the Hospitality Industry	3
HRTM 580	Adventure Travel Management	3
HRTM 585	Advanced Club Management	3
HRTM 590	Special Topics in HRTM	3
HRTM 597	Global Travel and Tourism	3
Total Credit Hours		18

¹ Courses toward minor or cognate to be selected from the list below in conjunction with major advisor.

² Recommendation: Take this class first; it will help in the balanced selection of other minor courses.

Tourism Management, B.S.

The Bachelor of Science in Tourism Management degree is designed to prepare students for managerial and leadership roles in the tourism industry, including convention centers, tourism events, festivals, conferences, destination management organizations, and the travel industry. The mission of the School of Hotel, Restaurant, and Tourism Management (HRTM) is to educate global leaders for the hospitality and tourism industry through innovative and experiential curriculum, research, and community engagement.

The program provides a comprehensive curriculum that includes courses in general education, business, and tourism and hospitality management, combined with relevant operational management experience under the guidance and supervision of industry professionals, and program faculty.

The School of Hotel, Restaurant and Tourism Management prepares students for responsible citizenship roles in business and society. It enables them to understand and apply the concepts of problem-solving in general, and in organizational and industry-related issues.

The HRTM faculty provide uncompromising individualized attention to meeting the educational needs of our students and assume very active, and influential roles in numerous professional organizations, at all levels.

Learning Outcomes

- Students should be able to apply business management principles to identify problems and utilize analytical reasoning to formulate local-to-global solutions.
- Students should be able to identify, evaluate and explain tourism impacts on the host community and global environment.
- Students should be able to examine and apply tourism policy and planning principles to match the needs of diverse stakeholders, destinations and environments.
- Students should be able to demonstrate an understanding of the concepts and characteristics of tourism as an academic area of study.
- Students should be able to understand the products, processes, structure(s) and interactions in the tourism system.

Admissions

Entrance Requirements

The College of Hospitality, Retail, and Sport Management has a pre-professional and a professional division of student classification. All new students will begin in the pre-professional division. Progression into the professional division requires the approval of the department and the successful completion of the requirements indicated under each departmental heading.

In addition to the academic admission requirements of the University and of the College of Hospitality, Retail, and Sport Management for admission to the pre-professional division, an enrollment limit into the professional division may be imposed by various departments. Such a limit would become necessary if enrollment levels exceed available

department staffing and facility resources. In the event of an enrollment limit, admission to a department may take into account the applicant's grade point average and other factors which may include the applicant's potential for success in that major.

Freshmen Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, freshmen applicants must meet all University admission requirements through the Office of Undergraduate Admissions.

Transfer Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, transfer applicants from outside of the UofSC system must meet all University admission requirements through the Office of Undergraduate Admissions and have at least a 2.25 GPA.

Students from other UofSC campuses who wish to enter the College of Hospitality, Retail, and Sport Management must fulfill one of the following requirements:

1. Be in good standing, meet all University admission requirements through the Office of Undergraduate Admissions, and have the cumulative GPA required for the program (see below).
2. Be in good standing and have completed 30 semester hours with the cumulative GPA required for the program (see below).

Required GPA for Change of Campus: tourism management - 2.50; hospitality management - 2.50

Students enrolled in other colleges on the Columbia campus must meet the following GPA requirements on all work taken: tourism management - 2.50; hospitality management - 2.50

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	21
3. Program Requirements	8-20
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- STAT 110 or MATH 122
- STAT 201

SCI – Scientific Literacy (7 hours)

- Two CC-SCI courses (p. 741) from the natural sciences, including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- Select one of the following:
 - SPCH 140
 - SPCH 145
 - SPCH 230

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays

is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (21 hours)

Course	Title	Credits
HRSM 301	HRSM Professional Development Seminar	3
HRTM 344	Personnel Organization and Supervision	3
RETL 242	HRSM Professional Communications	3
RETL 261	Principles of Accounting I (must be passed with a grade of C or higher)	3
RETL 262	Principles of Accounting II (must be passed with a grade of C or higher)	3
SPT 240	Business Law	3
SPT 274	Computer Applications in Hospitality, Retail, and Sport Management	3
Total Credit Hours		21

3. Program Requirements (8-20 hours)

Supporting Courses (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MGMT 371	Principles of Management	3
Total Credit Hours		6

Minor (0-18 hours) *optional*

- Tourism Management majors may pursue a minor in any course of study offered by the College of HRSM as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

Electives (2-14 hours)

- The Tourism Major Curriculum includes 2 to 14 hours of approved electives depending on how students fulfill the Carolina Core Requirements. Any course in the university can be used to satisfy the elective requirement including additional electives in the major.

4. Major Requirements (48 hours)

a minimum grade of C is required in all major courses

Major Courses (39 hours)

Course	Title	Credits
HRTM 110	Introduction to Hospitality Industry	3
HRTM 280	Foundations of Tourism	3
HRTM 364	Conference and Meeting Planning	3
HRTM 381	Travel and Destination Management	3
HRTM 388	Resort Development and Management	3
HRTM 421	Hospitality Financial Management	3
HRTM 440	Services Management for Hospitality and Tourism	3
HRTM 450	Hospitality and Tourism Marketing	3
HRTM 481	Analytical Techniques in Tourism and Hospitality	3
HRTM 482	Sustainable Tourism Planning and Policy	3
HRTM 584	Tourism Information Technology Issues	3

HRTM 495	Hospitality and Tourism Internship	6
Total Credit Hours		39

Major Electives (9 hours)

- Chosen in consultation with advisor; at least 6 hours must be from HRTM courses.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Tourism Management, B.S.

Sport and Entertainment Management

Department Website (https://sc.edu/study/colleges_schools/hrsm/study/areasofstudy/spte/)

Matthew T. Brown, *Chair*

The College of Hospitality, Retail, and Sport Management offers a bachelor of science degree program with a major in sport and entertainment management.

Entrance Requirements

In addition to the entrance requirements of the College of Hospitality, Retail, and Sport Management, the Department of Sport and Entertainment Management has the following requirements:

Students from other USC campuses, students enrolled in other colleges on the Columbia campus, students enrolled in other departments in the college, and transfer students from other institutions must have a GPA of 3.00 on all college work taken.

Programs

- Sport and Entertainment Management Minor (p. 431)
- Sport and Entertainment Management, B.S. (p. 431)

Courses

SPT 101 - The Student-Athlete Experience (3 Credits)

Examination of the functions and resources the university provides for students transitioning to college and the problems common to the first-year student-athlete experience.

SPT 110 - Sport and Entertainment in American Life (3 Credits)

The American sport and entertainment enterprise: background, influences, and trends; collegiate and professional sport organizations; ownership and unionization; media portrayals.

SPT 195 - Sport and Entertainment Careers (0 Credits)

Introduction of networking, interviewing, and career planning in the sport and entertainment industry.

SPT 201 - Introduction to Sport Management (3 Credits)

Introduction to sport management industry career fields.

SPT 202 - Introduction to Live Entertainment Management (3 Credits)

The study of underlying themes in entertainment management and its application to music, family shows, and other live entertainment business venues.

SPT 203 - Introduction to Event and Venue Management (3 Credits)

An overview of the history, impact, types, and trends of events and venues, the principles of event planning, the role of venues, and career options in each field.

SPT 240 - Business Law (3 Credits)

Formation of contracts and their operation as they apply to business; promissory notes and checks; agency and employment.

SPT 274 - Computer Applications in Hospitality, Retail, and Sport Management (3 Credits)

Administrative tasks for computer usage, including software and hardware selection, applications, and solutions.

SPT 295 - Internship I in Sport and Entertainment Management (6 Credits)

Supervised work experience in a sport or entertainment management area selected by the student with approval of advisor. Contract approved by advisor or department chair is required for undergraduate students.

Prerequisites: SPT 195, SPT 201, SPT 202, SPT 203, SPT 274 and MKTG 350.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

SPT 302 - Artist Representation and Management (3 Credits)

This course focuses on the role of the manager in the entertainment industry and his or her relationships with artists, agents, buyers and industry executives.

Prerequisites: SPT 202.

SPT 303 - Live Entertainment Tour Management (3 Credits)

This course puts a fine point on performance tour management logistics, including booking, scheduling, shipping, budgeting, movement of equipment, and artist management challenges, including entertainment production.

Prerequisites: SPT 202.

SPT 305 - The Business of NASCAR (3 Credits)

The course is designed to present an overall view of the NASCAR industry through a series of guest speakers, who are subject matter experts in their respective NASCAR-related fields.

SPT 310 - Collegiate Athletics (3 Credits)

Students are provided with an overview of college athletics. Though the course will cover the NJCAA and NAIA, it will particularly focus upon the NCAA, and more specifically, upon the business of "Big-Time" intercollegiate athletics.

SPT 315 - NCAA Compliance (3 Credits)

Students will gain a basic understanding of NCAA Division I rules and regulations while learning how the rules are applied to member institution. An overview of the operations of an NCAA Division I compliance office and coaching regulations will be provided as well.

SPT 320 - Sport and the Law (3 Credits)

Laws and regulatory bodies affecting the management of sport personnel, facilities, and events.

Prerequisites: SPT 240 or equivalent.

Graduation with Leadership Distinction: GLD: Research

SPT 325 - Resort and Club Recreation Programming (3 Credits)

Management of club and resort sport complexes.

SPT 330 - The Summer Olympic Games (3 Credits)

Examination of the Summer Olympic Games and its impact on sport, entertainment, hospitality, tourism and the host community.

SPT 335 - The Business of Baseball (3 Credits)

Overall view of the sport of baseball from a business perspective.

SPT 340 - The Sporting Goods Industry (3 Credits)

Principles of manufacturing and retailing applied to the sporting goods industry.

SPT 342 - Sport and Entertainment Contracts and Negotiations (3 Credits)

The formation and negotiation of contracts in Sport and Entertainment Management.

Prerequisites: SPT 240 or ACCT 324 or equivalent.

SPT 376 - Risk Management in Sport and Entertainment (3 Credits)

Theoretical and practical approaches to managing risk in Sport and Entertainment venues and events.

Prerequisites: SPT 240 or ACCT 324 or equivalent.

SPT 380 - Sport and Entertainment Marketing (3 Credits)

Marketing theory and practice and how it relates and applies to sport and entertainment.

Prerequisites: MKTG 350.

SPT 385 - Ethics in Sport and Entertainment Business (3 Credits)

The objective of this course is to familiarize students with the ethical issues that exist in the business of sport and entertainment. Students will learn theories of ethics and how they relate to issues faced by managers in the sport and entertainment industry. Ethical theories and philosophies – deontology, utilitarianism, and virtue - will be driving the discussions and understandings of ethical decision-making in this class.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPT 399 - Independent Study (1-6 Credits)

Students will have an opportunity to explore a specific area of sport and entertainment management. Individual students will identify an area of study related to sport and entertainment management and complete a research paper on this topic under the guidance of the instructor.

Graduation with Leadership Distinction: GLD: Research

SPT 402 - Entertainment and the Law (3 Credits)

Performing arts and entertainment industries' social, economic, and legal issues, in addition to the development and role of entertainment in society, will be analyzed—from its roots to the present.

Prerequisites: SPT 240.

SPT 404 - Promoting Entertainment Events (3 Credits)

This course should provide students with an understanding of various methods of promotion and approaches to the application of advertising and publicity in the broad spectrum of modern media.

Prerequisites: SPT 202 and MKTG 350.

SPT 410 - Sport and Entertainment in Popular Culture (3 Credits)

Investigation of sport and entertainment as critical facets of American society.

SPT 415 - Sport in Film (3 Credits)

This class invites students to consider a variety of classic and contemporary, international and domestic sports films featuring heroes and villains from baseball, basketball, boxing, football, soccer and other sports stages. Students will develop a rhetorical analysis of socially significant sport films after exposure to numerous critical perspectives.

SPT 430 - Sport and Entertainment Services Marketing (3 Credits)

Basic principles required to promote a service marketing strategy in sport and entertainment.

Prerequisites: MKTG 350.

SPT 435 - Spectator Facilities Management (3 Credits)

Programming, marketing, public relations, fiscal considerations, operation, labor relations, personnel, and event management for spectator sports and entertainment events.

SPT 440 - Sport and Entertainment Business and Finance (3 Credits)

Economic and finance theories applied to the management of sport and entertainment organizations.

Prerequisites: FINA 363 or FINA 333.

SPT 444 - Sports and Entertainment Event Management (3 Credits)

Application of management principles to sports and entertainment events.

Prerequisites: SPT 380, SPT 440.

SPT 450 - Sales in Sport and Entertainment Business (3 Credits)

Students will be provided with an overview of the sales process and learn how the sales process applies to sport and entertainment while using hands on exercises to perpetuate the understanding of the importance of sales.

Prerequisites: MKTG 350.

SPT 490 - Special Topics in Sport and Entertainment Management (3 Credits)

Current topics and trends in sport, live entertainment, and venue management. Content varies by title. May be repeated once.

SPT 495 - Internship II in Sport and Entertainment Management (6 Credits)

Placement with a sport or entertainment organization for a supervised learning experience in the student's career specialization area.

Prerequisites: C or better in SPT 440 and SPT 444.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

SPT 498 - Research Experience (3 Credits)

Working with a faculty mentor, students develop a research project and related research skills.

Graduation with Leadership Distinction: GLD: Research

SPT 499 - Senior Thesis (3 Credits)

A senior thesis related to one of the advanced courses in the major program.

Prerequisites: minimum GPA of 3.50 in major courses, 3.30 overall.

Graduation with Leadership Distinction: GLD: Research

SPT 501 - Trends and Issues in Sport and Entertainment Management (3 Credits)

Trends and Issues in Sport and Entertainment Management.

SPT 545 - Managing Part-Time Employees and Volunteers (3 Credits)

Recruiting, hiring, training, and retaining part-time employees and volunteers in sport and entertainment.

SPT 550 - The Business of Esports (3 Credits)

This course is designed to provide students with an overview of the business of esports. It will focus on the history of video games from creation to the present and will also cover the various business elements of the modern, competitive esports environment.

SPT 560 - Performing Arts Management and Leadership (3 Credits)

The study of performing arts management as it relates to nonprofits and organizational structure.

Prerequisites: C or better in SPT 202 and SPT 380.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPT 565 - Business of Broadway (3 Credits)

The study of the management of Broadway productions from script to play, including the creative process, business ventures, production houses, and investor relations.

Prerequisites: SPT 202 and SPT 380; C or higher for SPT majors.

SPT 570 - Special Topics in Global Sport (3 Credits)

This course examines a variety of global sport and entertainment management issues. The emphasis will be on an understanding of the concepts related to the sport and entertainment management in an international setting. Content varies by title. May be repeated once.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPT 580 - Business Principles in Sport Management. (3 Credits)

Business principles in the management of public and private sector sport programs.

SPT 585 - Sports Economics (3 Credits)

This course focuses on issues relevant to sport, entertainment, and related industries. The goal of the class will be for students to understand both basic and complex concepts within economics in a sport and entertainment context, in order to grasp the importance of economic decision-making.

SPT 590 - Special Topics in Live Entertainment and Sport (3 Credits)

Investigation of Special topics pertinent to the sport and entertainment management industry. Content varies by title. May be repeated twice.

SPT 635 - Sport and Entertainment Event Development (3 Credits)

Business concepts needed to develop sport and entertainment special events.

SPT 640 - Venue Management: Principles and Practices (3 Credits)

Managing public assembly facilities and venues.

Prerequisites: SPT 203 or equivalent.

SPT 650 - Integrated Marketing Communication in Sport and Entertainment (3 Credits)

Use of integrated marketing communication concepts, theories, and strategies in sport and entertainment.

Prerequisites: MKTG 350.

SPT 655 - Social Media in Live Entertainment and Sport (3 Credits)

In-depth investigation of social networks, digital platforms, and online marketing for the live entertainment and sport industries.

Sport and Entertainment Management Minor

Students desiring to minor in Sport and Entertainment Management (SPT) may do so by successfully completing the following course sequence. Students minoring in SPT may be required to take SPT courses during the summer sessions in order to complete minor in a timely fashion.

Students must achieve a minimum of a "C" in each course required of the SPT minor. All course prerequisites must be completed prior to taking the course.

The following courses will be accepted as part of the SPT minor. All minors are required to meet all course requirements to complete the minor.

Minor Requirements

Course	Title	Credits
Required Courses		
SPT 201	Introduction to Sport Management	3
SPT 202	Introduction to Live Entertainment Management	3
SPT 203	Introduction to Event and Venue Management	3
Select two of the following: ¹		6
SPT 110	Sport and Entertainment in American Life	
SPT 310	Collegiate Athletics	
SPT 315	NCAA Compliance	
SPT 320	Sport and the Law	
SPT 325	Resort and Club Recreation Programming	
SPT 376	Risk Management in Sport and Entertainment	
SPT 385	Ethics in Sport and Entertainment Business	
Select one of the following: ¹		3
SPT 402	Entertainment and the Law	
SPT 410	Sport and Entertainment in Popular Culture	
SPT 440	Sport and Entertainment Business and Finance	
SPT 450	Sales in Sport and Entertainment Business	
SPT 490	Special Topics in Sport and Entertainment Management	
SPT 545	Managing Part-Time Employees and Volunteers	
SPT 590	Special Topics in Live Entertainment and Sport	
Total Credit Hours		18

¹ Some courses may require prerequisites.

Sport and Entertainment Management, B.S.

The Sport and Entertainment Management (SPT) Department at the University of South Carolina prepares students for a variety of managerial positions in the sport and entertainment industry.

The goal of the SPT department is to create an integrated academic learning environment for analyzing and resolving the challenges in the business of sport and entertainment. The SPT department provides a comprehensive curriculum that includes courses in general education, business and sport and entertainment management, as well as two

experiential learning experiences (practicum and internship) under the supervision of industry professionals and SPTE faculty.

The faculty and staff are committed to providing support for student achievement. Students can enter the industry with exceptional knowledge, professional preparation, a strong alumni network, and the confidence to assume leadership positions.

Learning Outcomes

- Students should be able to demonstrate knowledge of the qualifications, job requirements, and working conditions for a sport and entertainment industry position.
- Students should be able to demonstrate the computer and technical skills needed for a sport and entertainment industry position.
- Students should be able to apply learned concepts and theory to demonstrate an understanding of the nature of the sport and entertainment industry.

Progression and Graduation Requirements

In order to enroll in the Professional Division of SPTE, students must complete 48-49 credit hours in the courses indicated as Pre-Professional Division with a minimum grade point average of 2.75. Students who do not meet the grade point average requirement for progression must continue in the Pre-Professional division until they achieve a 2.75 GPA or change to another major. Only students admitted to the professional division of Sport and Entertainment Management will be allowed to enroll for more than 18 credit hours of SPTE course work. Graduation requires a 2.75 GPA in order to satisfy the requirements for a degree in Sport and Entertainment Management.

Pre-Professional courses include the following:

- Carolina Core Courses within the CMW, ARP and CMS areas
- Pre-Professional College Required Courses
- Pre-Professional Related Courses
- Pre-Professional Major Courses

Admissions

Entrance Requirements

The College of Hospitality, Retail, and Sport Management has a pre-professional and a professional division of student classification. All new students will begin in the pre-professional division. Progression into the professional division requires the approval of the department and the successful completion of the requirements indicated under each departmental heading.

In addition to the academic admission requirements of the University and of the College of Hospitality, Retail, and Sport Management for admission to the pre-professional division, an enrollment limit into the professional division may be imposed by various departments. Such a limit would become necessary if enrollment levels exceed available department staffing and facility resources. In the event of an enrollment limit, admission to a department may take into account the applicant's grade point average and other factors which may include the applicant's potential for success in that major.

Freshmen Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, freshmen applicants must meet all

University admission requirements through the Office of Undergraduate Admissions.

Transfer Students

In order to be admitted to a program of study in the College of Hospitality, Retail, and Sport Management, transfer applicants from outside of the UofSC system must meet all University admission requirements through the Office of Undergraduate Admissions and have at least a 2.25 GPA. The Sport and Entertainment Management and the Retailing majors requires a higher GPA than the minimum University entrance standards. Transfer applicants for Sport and Entertainment must have a cumulative GPA of a 3.0 on all college-level work attempted. Transfer applicants for Retailing must have a cumulative GPA of a 2.5 on all college-level work attempted.

Students from other UofSC campuses who wish to enter the College of Hospitality, Retail, and Sport Management must fulfill one of the following requirements:

1. Be in good standing, meet all University admission requirements through the Office of Undergraduate Admissions, and have the cumulative GPA required for the program (see below).
2. Be in good standing and have completed 30 semester hours with the cumulative GPA required for the program (see below).

Required GPA for Change of Campus: hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.50; tourism management - 2.25; and sport and entertainment management - 3.0.

Students enrolled in other colleges on the Columbia campus must meet the following GPA requirements on all work taken: hospitality management - 2.25; interdisciplinary studies (2.0 and separate application required); retailing - 2.50; tourism management - 2.25; and sport and entertainment management - 3.0.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	21
3. Program Requirements	14-26
4. Major Requirements	42

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- MATH 122 or MATH 141
- STAT 201

SCI – Scientific Literacy (7 hours)

Two approved CC-SCI courses (p. 741) from the natural sciences including one laboratory selected from Astronomy, Biology, Chemistry, Environmental Science, Geology, Marine Science or Physics

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

College of HRSM students must demonstrate proficiency in a foreign language by achieving a score of 2 or higher on the foreign language placement test or by completing one foreign language course through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- SPCH 140

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ Carolina Core Stand Alone or Overlay Eligible Requirements — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a

minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (21 hours)

Pre-Professional Division Courses (9 hours)

Course	Title	Credits
RETL 261	Principles of Accounting I	3
RETL 262	Principles of Accounting II	3
SPT 274	Computer Applications in Hospitality, Retail, and Sport Management	3
Total Credit Hours		9

College-Required Courses (12 hours)

Course	Title	Credits
HRSM 301	HRSM Professional Development Seminar	3
HRTM 344	Personnel Organization and Supervision	3
RETL 242	HRSM Professional Communications	3
or ENGL 463	Business Writing	
SPT 240	Business Law	3
Total Credit Hours		12

3. Program Requirements (14-26 hours)

Supporting Courses (12 hours)

Course	Title	Credits
Pre-Professional Related Coursework		
ECON 224	Introduction to Economics	3
MGMT 371	Principles of Management	3
MKTG 350	Principles of Marketing	3
Other Related Coursework		
FINA 363	Introduction to Finance	3
or FINA 333	Finance and Markets	
Total Credit Hours		12

Minor (18 hours) *optional*

Sport and Entertainment Management majors may pursue a minor in any course of study offered by the College of Hospitality, Retail and Sport Management (HRSM) as well as any other University program with an approved minor. College of HRSM required courses may not be counted toward a minor.

Electives (2-14 hours)

The SPT curriculum includes 2-14 hours of electives, depending on how students fulfill the Carolina Core requirements. Courses used to satisfy the elective requirement, which may include additional SPT Major Electives, must be approved by the SPT advisor.

4. Major Requirements (42 hours)

A minimum grade of C is required in all major courses

Major Courses (42 hours)

Course	Title	Credits
Pre-Professional Division Major Courses		
SPT 195	Sport and Entertainment Careers	0
SPT 201	Introduction to Sport Management	3

SPT 202	Introduction to Live Entertainment Management	3
SPT 203	Introduction to Event and Venue Management	3
SPT 295	Internship I in Sport and Entertainment Management ¹	6
Professional Division Major Courses		
SPT 380	Sport and Entertainment Marketing	3
SPT 440	Sport and Entertainment Business and Finance	3
SPT 444	Sports and Entertainment Event Management	3
SPT 495	Internship II in Sport and Entertainment Management	6
Select 12 hours from the following:		12
SPT 101	The Student-Athlete Experience	
SPT 110	Sport and Entertainment in American Life	
SPT 302	Artist Representation and Management	
SPT 303	Live Entertainment Tour Management	
SPT 305	The Business of NASCAR	
SPT 310	Collegiate Athletics	
SPT 315	NCAA Compliance	
SPT 320	Sport and the Law	
SPT 325	Resort and Club Recreation Programming	
SPT 330	The Summer Olympic Games	
SPT 335	The Business of Baseball	
SPT 340	The Sporting Goods Industry	
SPT 342	Sport and Entertainment Contracts and Negotiations	
SPT 376	Risk Management in Sport and Entertainment	
SPT 385	Ethics in Sport and Entertainment Business	
SPT 399	Independent Study	
SPT 402	Entertainment and the Law	
SPT 404	Promoting Entertainment Events	
SPT 410	Sport and Entertainment in Popular Culture	
SPT 415	Sport in Film	
SPT 430	Sport and Entertainment Services Marketing	
SPT 435	Spectator Facilities Management	
SPT 450	Sales in Sport and Entertainment Business	
SPT 490	Special Topics in Sport and Entertainment Management	
SPT 498	Research Experience	
SPT 499	Senior Thesis	
SPT 501	Trends and Issues in Sport and Entertainment Management	
SPT 545	Managing Part-Time Employees and Volunteers	
SPT 550	The Business of Esports	
SPT 560	Performing Arts Management and Leadership	
SPT 570	Special Topics in Global Sport	
SPT 580	Business Principles in Sport Management.	
SPT 585	Sports Economics	
SPT 590	Special Topics in Live Entertainment and Sport	
SPT 635	Sport and Entertainment Event Development	
SPT 650	Integrated Marketing Communication in Sport and Entertainment	

SPT 655	Social Media in Live Entertainment and Sport	
Total Credit Hours		42

¹ SPT 295 is the final course taken in the Pre-Professional Division required hours. Students must achieve the required 2.75 GPA prior to enrolling in SPT 295.

Concentrations (12 hours) *optional*

Sport and Entertainment Management majors may pursue a concentration in one of three areas: entertainment management, sport management, or venue and event management. The concentration will fulfill the SPT Electives requirement of the major. Requirements for the concentrations are:

Entertainment Management (12 hours)

Course	Title	Credits
SPT 302	Artist Representation and Management	3
SPT 303	Live Entertainment Tour Management	3
SPT 402	Entertainment and the Law	3
SPT 590	Special Topics in Live Entertainment and Sport	3

Total Credit Hours 12

Sport Management (12 hours)

Course	Title	Credits
SPT 310	Collegiate Athletics	3
SPT 320	Sport and the Law	3
SPT 450	Sales in Sport and Entertainment Business	3
SPT 580	Business Principles in Sport Management.	3

Total Credit Hours 12

Venue and Event Management (12 hours)

Course	Title	Credits
SPT 325	Resort and Club Recreation Programming	3
SPT 342	Sport and Entertainment Contracts and Negotiations	3
SPT 435	Spectator Facilities Management	3
SPT 545	Managing Part-Time Employees and Volunteers	3

Total Credit Hours 12

B.S. with Distinction (51 hours)

The Departmental Undergraduate Research Track is available to students majoring in sport and entertainment management who wish to participate in significant research activities of the major field in collaboration with, or under the supervision of, a faculty mentor.

Prerequisite

A minimum GPA of 3.50 in major courses, 3.30 institutional GPA.

Requirements

Three courses in addition to the major requirements:

Course	Title	Credits
SPT 498	Research Experience	3
SPT 499	Senior Thesis	3
SPT 501	Trends and Issues in Sport and Entertainment Management	3

Total Credit Hours 9

Additional Requirements

- Presentation of the senior thesis in an appropriate venue (SEVT, USC Discovery Day, IAVM research session, NASSM, CSRI).
- A written sponsorship agreement from the faculty mentor will be placed on file in the department office.
- Students who successfully fulfill these requirements with a GPA of at least 3.50 in all major courses and a 3.30 overall GPA will be awarded their degree "With Distinction in Sport and Entertainment Management" upon graduation.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Sport and Entertainment Management, B.S. No Concentration**Sport and Entertainment Management, B.S. Entertainment Management Concentration****Sport and Entertainment Management, B.S. Sport Management Concentration****Sport and Entertainment Management, B.S. Venue and Event Management Concentration**

ARNOLD SCHOOL OF PUBLIC HEALTH

G. Thomas Chandler, *Dean*

Alan Decho, *Associate Dean for Research*

James Hardin, *Associate Dean for Faculty Affairs and Curriculum; Interim Chair, Department of Health Services Policy and Management*

Lee Pearson, *Associate Dean for Operations and Accreditation*

Toni Torres-McGehee, *Associate Dean for Diversity, Equity and Inclusion*

Bridget Miller, *Associate Dean for Undergraduate Student Affairs*

Jean Neils-Strunjas, *Chair, Department of Communication Sciences and Disorders*

Geoff Scott, *Chair, Department of Environmental Health Sciences*

Anthony Alberg, *Chair, Department of Epidemiology and Biostatistics*

Shawn Arent, *Chair, Department of Exercise Science*

Daniela Friedman, *Chair, Department of Health Promotion, Education, and Behavior*

Overview

Public Health is an exciting and growing field of study. The field challenges its professionals to confront complex health issues, such as improving access to health care, controlling infectious disease, and reducing environmental hazards, violence, substance abuse, and injury. Professionals in Public Health come from varying educational backgrounds and can specialize in an array of fields. A host of specialists, including teachers, journalists, researchers, administrators, environmentalists, demographers, social workers, laboratory scientists, physicians, and attorneys, work to protect the health of the public. This is a field geared toward serving local, national, and international communities. Public Health professionals are leaders who meet the many exciting challenges in protecting the public's health today and in the future. The Arnold School of Public Health was established by legislative action in 1974 and has been fully accredited by the Council on Education for Public Health (CEPH) since 1979.

The mission of the Arnold School of Public Health is to improve population health and well-being by fostering innovative education and research that promotes health and healthy environments and will use that knowledge to prevent and effectively respond to disease, disability, and environmental degradation in diverse communities. An integral part of the training of students at the school is participation in research activities. Since the state is experiencing rapid demographic and industrial changes, health problems range from those of a traditional rural setting (infectious diseases, infant mortality, access to health care) to those of a modern industrial setting (impact of new industries on air and water quality and the safety of the workplace). The school has been committed to "action research" since its inception. The importance of dealing with operating programs and defined problems has led to close working relationships with human service programs, health care facilities, and governmental agencies throughout the state and region.

The school contains the Prevention Research Center, the Core for Applied Research and Evaluation, the Nutrition Consortium, the Cancer Prevention and Control Program, the Office for the Study of Aging, the Rural and Minority Health Research Center, the Consortium for the Latino Immigration Studies, the Center for Community Health Alignment, the PASOs Program, the Community Health Worker Institute and the Montgomery Speech-Language-Hearing Clinic.

Degree Programs

The Arnold School of Public Health offers both the Bachelor of Arts (B.A.) degree and the Bachelor of Science (B.S.) degree as well as two minors. The B.A. and B.S. in public health are interdisciplinary programs currently administered in the Division of Academic Affairs, while the Department of Exercise Sciences offers the B.S. in Exercise Science.

In addition, the school offers minors in Health Promotion, Education and Behavior and in Nutrition and Food Systems.

Departments

- Communication Sciences and Disorders (p. 436)
- Environmental Health Sciences (p. 437)
- Epidemiology and Biostatistics (p. 438)
- Exercise Science (p. 438)
- Health Promotion, Education, and Behavior (p. 445)
- Health Services Policy and Management (p. 448)
- Public Health Programs (Division of Academic Affairs) (p. 449)

Communication Sciences and Disorders

Department Website (https://www.sc.edu/study/colleges_schools/public_health/study/areas_of_study/communication_sciences_and_disorders/index.php/facultystaff.php)

Kenn Apel, *Chair*

Allen A. Montgomery, *Director of Doctoral Program*

The Department of Communication Sciences and Disorders offers programs leading to the degrees of Master of Speech Pathology, Master of Communication Disorders, and Doctor of Philosophy. The following courses are available for undergraduate credit with permission of the faculty, with the exception of COMD 500, which is open to all with no special permission required.

Courses

COMD 401 - Public Health Perspective in Communication Sciences and Disorders (3 Credits)

Public health issues related to speech, language, and hearing from local, national and global perspective in historical context. Special permission required by department.

COMD 408 - Directed Study in Speech and Language Pathology (1-3 Credits)

Directed readings and/or research in speech pathology.

COMD 500 - Introduction to Speech-Language Pathology and Audiology (3 Credits)

Human communication disorders with an overview of prevention and treatment programs.

COMD 501 - Anatomy and Physiology of Speech and Hearing Mechanisms (3 Credits)

An intensive study of the anatomy and physiology of the speech and hearing mechanisms.

COMD 503 - Anatomy and Physiology of the Auditory and Vestibular System (3 Credits)

Detailed examination of the anatomy and physiology of the auditory and vestibular system.

Prerequisites: COMD 501.

COMD 507 - Language Theory and Phonetics (3 Credits)

Study of language theory and international phonetics alphabet transcription.

COMD 521 - Introduction to Clinical Procedures in Speech Pathology (1 Credit)

Diagnostic and therapeutic programs for the communicatively handicapped will be observed in the public school and various rehabilitative settings. Discussion and study of basic therapeutic theories and procedures utilized in speech therapy. Introduction to phonetics or equivalent or permission of instructor.

COMD 525 - Selected Topics (1-3 Credits)

Presentation of current experimental or innovative programs in diagnosis and treatment of the communicatively impaired. Course is designed to update the practicing clinician in specific areas of expertise. May be repeated for credit. Individual topics to be announced by title. Permission of instructor.

COMD 526 - Disorders of Articulation: Evaluation and Therapy (3 Credits)

The diagnosis and treatment of articulation problems in children and adults, including analysis of current research in testing and therapy for articulation disorders.

Prerequisites: COMD 501 and COMD 507 or equivalents.

COMD 540 - Principles of Audiology (3 Credits)

Basic anatomy and psycho-physics of hearing, the pathologies of hearing loss, introduction to identification procedures including organization of hearing conservation programs and practice in pure-tone audiometry, and impact of hearing loss on preschool and school-age children and educational, psychological, and medical aspects of habilitation.

COMD 560 - Observation of Speech Language Pathology (1-3 Credits)

Introduction to the clinical process through observation of various diagnostic reports and intervention programs included.

COMD 570 - Introduction to Language Development (3 Credits)

The language acquisition process in normal children, including the development of semantics, morphology, syntax, phonology, and pragmatics; American dialects and bilingualism.

Prerequisites: COMD 501 and COMD 507.

Cross-listed course: LING 570

Environmental Health Sciences

Department Website (https://www.sc.edu/study/colleges_schools/public_health/study/areas_of_study/environmental_health_sciences/)

Geoff Scott, *Chair*

Alan W. Decho, *Associate Chair*

Courses

ENHS 223 - Introduction to Global Environmental Health (3 Credits)

Introduction to global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

ENHS 321 - Environmental Pollution and Health (3 Credits)

A survey of pollution (chemical, biological, physical) effects on environmental quality and public health with emphases on how each pollutant class behaves and affects individual and community health over acute to chronic exposure periods.

Cross-listed course: ENVR 321

ENHS 323 - Global Environmental Health (3 Credits)

Concerns in global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

Cross-listed course: ENVR 323

ENHS 324 - Environment and Obesity (3 Credits)

Role of the built environment and environmental toxins in the development and progression of obesity and metabolic syndrome from a public health perspective.

ENHS 450 - Introduction to Public Health Microbiology (3 Credits)

Public health microbiology and the intersection between microbial disease, the environment, and health, with a particular focus on critical public health issues in the 21st century.

ENHS 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Graduation with Leadership Distinction: GLD: Research

ENHS 492 - Special Topics in Environmental Health Sciences (3 Credits)

Issues and emerging themes in environmental health. May be repeated for a total of 9 credit hours as content varies by title.

ENHS 515 - Introduction to Public Health and Emergency Preparedness and Response (3 Credits)

Introduction to emergency preparedness and response in relation to environmental and public health. Historical context for the emergence of public health emergency preparedness and demonstration of articulation with community response partner agencies in the post-9/11 era.

ENHS 592 - Advanced Special Topics in Environmental Health (1-3 Credits)

Emerging issues and topics concerning environmental health. May be repeated as content varies by title up to a total of 9 credit hours.

ENHS 625 - Medical Mycology (3 Credits)

Advanced study of infectious diseases caused by fungi. Etiology, symptoms, and treatment of fungi related illnesses.

Cross-listed course: BIOL 625

ENHS 660 - Concepts of Environmental Health Science (3 Credits)

Environmental health sciences presenting the earth as a complex system in which people, plants, animals, and non-living physical-chemical components interact.

ENHS 661 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: BIOL 531, EPID 661

ENHS 662 - Industrial Health Programs (3 Credits)

Analysis, planning, and implementation of programs to protect workers' health in industry; legislative and regulatory background.

ENHS 664 - Environmental Genomics (3 Credits)

"State of the art" molecular techniques that elucidate mechanisms of environmental contaminants in model systems.

ENHS 665 - Biofilms in Environmental Health and Disease (3 Credits)

Effect of bacterial biofilm process on many diverse areas. Recognition, prevention, and control of biofilm-related problems in the environment, health care, industry, and engineering.

ENHS 666 - Metals and Human Health (3 Credits)

Trace metal(loid)s, their fate and transport in the environment and their potential impacts on human health.

Prerequisites: BIOL 101 or BIOL 110; CHEM 101 and CHEM 102, or equivalent.

ENHS 670 - Environmental Pollutants and Human Health (3 Credits)

Overview of environmental pollutants and their impact on human health; case studies of environmental catastrophes; principles of ecotoxicology; air, water, and land pollution associated with neurotoxicity, toxicology, and carcinogenesis.

Prerequisites: BIOL 101 or BIOL 110; CHEM 101 and CHEM 102.

ENHS 671 - From Air to Alveoli: Exposure Science (3 Credits)

A receptor-oriented approach for assessing human exposure to environmental contaminants by inhalation, dermal and ingestion routes. Covers methods for estimating exposures to protect health and well-being, to relate adverse effects to exposures, and to comply with regulations and guidelines.

ENHS 675 - Infectious Disease Ecology (3 Credits)

Ecological theories as the basis for environmental change and the (re)emergence of infectious agents that ultimately impact human and ecosystem health.

ENHS 681 - Occupational Ergonomics I (3 Credits)

Introduction to ergonomics: hazards identification and analysis; solution design and implementation; human musculoskeletal characteristics, injuries; effects of work on performance, safety, and health. Application to manufacturing and office environments.

Epidemiology and Biostatistics

Department Website (https://www.sc.edu/study/colleges_schools/public_health/study/areas_of_study/epidemiology_biostatistics/)

Anthony Alberg, *Chair*

Courses

BIOS 410 - Introduction to Biostatistical Modeling (3 Credits)

Statistical modeling, primarily using applications in public health. Measures of agreement, principles of statistical inference, correlation, simple and multiple linear regression, categorical independent variables, interaction, repeated measures, and logistic regression.

Prerequisites: STAT 205 or equivalent.

BIOS 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Graduation with Leadership Distinction: GLD: Research

EPID 349 - Infectious Disease Epidemiology (3 Credits)

This introductory course will review the history of infectious diseases, principles of infectious disease transmission, relevant study design and analysis techniques, and the clinical epidemiology of specific pathogens by transmission route categories. This course requires a prerequisite of a solid understanding of basic science and public health curricula, such as molecular biology or anatomy-physiology; or permission from instructor.

EPID 394 - Special Topics in Epidemiology (1-3 Credits)

Novel and emerging themes in epidemiology. Content varies by instructor and title. May be repeated for a total of 9 credit hours.

EPID 410 - Principles of Epidemiology (3 Credits)

Introduction to descriptive and analytical epidemiology. Topics will include the distribution and determinants of disease, surveillance, outbreak investigations, measures of association, screening tests, bias, and causal reasoning.

Prerequisite or Corequisite: STAT 201 or STAT 205.

Graduation with Leadership Distinction: GLD: Research

EPID 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Prerequisites: Instructor Permission.

Graduation with Leadership Distinction: GLD: Research

EPID 542 - Global Health Epidemiology (3 Credits)

This course will introduce epidemiologic concepts and methods using cases studies examining current global health challenges. Students will gain an understanding of the role of epidemiology in understanding the distribution of disease and risk factors, and developing, implementing and evaluating public health interventions globally.

EPID 594 - Special Topics in Epidemiology (1-6 Credits)

This course will introduce epidemiologic concepts and methods using cases studies examining current global health challenges. Students will gain an understanding of the role of epidemiology in understanding the distribution of disease and risk factors, and developing, implementing and evaluating public health interventions globally.

EPID 661 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance. Three lecture and three laboratory hours per week.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: BIOL 531, ENHS 661

Exercise Science

Department Website (<http://www.sph.sc.edu/exsc/>)

Shawn Arent, Ph.D., *Chair*

The mission of the Department of Exercise Science is to expand and disseminate the body of knowledge concerning the relationship between exercise participation and human health.

Programs of Study

The undergraduate program leading to a Bachelor of Science degree with a major in exercise science is a science-based program designed primarily to prepare students for entry into post-baccalaureate/graduate programs in health-related fields. A departmental core curriculum provides comprehensive mastery of exercise science.

Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to the degree program offered by the Department of Exercise Science. Transfer admission requires department approval as well as prerequisites.

Transfer Admission

1. Students enrolled in other colleges on the Columbia campus must have a minimum cumulative GPA of 2.75 and must have at least 12 USC credit hours.
2. Students from other USC campuses must have a cumulative GPA of 2.75 and must have taken at least 12 USC credit hours. Additionally, students from other USC campuses who have fewer than 30 semester hours must also meet Columbia campus freshman admission requirements.
3. Transfer students from regionally accredited institutions must present a minimum cumulative GPA of 2.75 on all college work taken. Students who have fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements.

Retention and Progression Standards

1. If the semester, yearly, or cumulative grade point average of a student is below 2.00, the student will be notified in writing.
2. An exercise science major must receive a grade of C or higher in any course in order for it to serve as a prerequisite.
3. A student in exercise science must earn a grade of C or higher in all EXSC departmental course work (EXSC) and in required cognates.
4. An exercise science major may attempt an EXSC course and any prerequisites a maximum of two times to fulfill the requirement. A grade of W will be included as an attempt.
5. An exercise science major may repeat a maximum of three EXSC courses.

Attendance Requirements

Students enrolled in the Department of Exercise Science are subject to attendance regulations of the University described elsewhere in the bulletin. When a student enrolls in a particular course, the student is obligated for all the work which may be assigned. Punctual and regular attendance is vital to the discharge of this obligation. The student is responsible for all assigned work in a course, and absences, excused or not, do not absolve the student of this responsibility.

Minors

Students majoring in Exercise Science may pursue minors offered by other units. In completing a minor, students may apply advisor-approved courses to both the minor and cognate, or elective requirements.

Programs

- Exercise Science, B.S. (p. 443)

Courses

ATEP 263 - Introduction to Athletic Training (3 Credits)

Introduction to the historical evolution of athletic training with an emphasis on program development including basic athletic training principles/skills associated with common sports injuries/illnesses.

ATEP 266 - Care and Prevention of Injuries (3 Credits)

Knowledge, skills, and values associated with prevention, care, treatment, and rehabilitation of common injuries/illnesses.

ATEP 267 - Clinical Foundations in Athletic Training (3 Credits)

Basic knowledge and skill in athletic injury prevention, care, and recognition; medical terminology; fulfillment of athletic training clinical proficiencies.

ATEP 292 - Athletic Training Clinical Experience I (2 Credits)

Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Restricted to athletic training majors. Special permission required by department. Accepted into ATEP.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 293 - Athletic Training Clinical Experience II (2 Credits)

Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Restricted to athletic training majors. Special permission required by department.

Prerequisites: ATEP 348, ATEP 348L, ATEP 292.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 300 - First Aid and CPR (2 Credits)

Knowledge and skills necessary to meet the needs of situations when emergency care is critical. Includes American Red Cross CPR/AED and First Aid certification. Encompasses skills for adult, child, and infant CPR/AED, breathing emergencies, and first aid procedures for emergency situations.

Corequisite: ATEP 300L.

ATEP 300L - First Aid and CPR Lab (1 Credit)

Skill development to meet guidelines for certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.

Corequisite: ATEP 300.

ATEP 310 - Emergency Medical Response (2 Credits)

Knowledge acquisition necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decisions about the care to provide in a medical emergency. Understanding the role of an EMR as a crucial link in the emergency medical services (EMS) system.

Corequisite: ATEP 310L.

ATEP 310L - Emergency Medical Responder Lab (1 Credit)

Clinical applications necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decisions about the care to provide in a medical emergency. Skills an EMR needs to act as a crucial link in the emergency medical services (EMS) system.

Corequisite: ATEP 310.

ATEP 348 - Evaluation and Assessment of Lower Extremity Injuries (3 Credits)

Knowledge and skills for orthopedic/physical assessment of common injuries to the lower body; study of the lower extremities as they relate to the prevention, recognition, evaluation and assessment, immediate care, and treatment; rehabilitation and reconditioning of injuring and illnesses to athletes and others engaged in physical activity.

Prerequisites: ATEP 266, EXSC 275.

Corequisite: ATEP 348L.

ATEP 348L - Evaluation and Assessment of Lower Extremity Injuries Lab (1 Credit)

Laboratory setting to enhance knowledge and skills for orthopedic/physical assessment of common injuries to the lower extremities.

Prerequisites: ATEP 266.

Corequisite: ATEP 348.

ATEP 349 - Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries (3 Credits)

Knowledge and skills for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen, and thorax. Study of the cervical spine, head, face, abdomen and thorax as they related to the prevention, recognition, evaluation and assessment; immediate care, treatment, rehabilitation, and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.

Prerequisites: ATEP 292, ATEP 348, ATEP 348L.

Corequisite: ATEP 349L.

ATEP 349L - Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries Lab (1 Credit)

Skill development for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen, and thorax.

Prerequisites: ATEP 348, ATEP 348L.

Corequisite: ATEP 349.

ATEP 350 - Evaluation and Assessment of Upper Extremity Injuries (3 Credits)

Prevention, recognition, orthopedic assessment of common injuries to the upper body; immediate care, treatment, and rehabilitation of injuries and illnesses to athletes.

Prerequisites: ATEP 349, ATEP 349L.

Corequisite: ATEP 350L.

ATEP 350L - Evaluation and Assessment of Upper Extremity Injuries (1 Credit)

Prevention, recognition, orthopedic assessment of common injuries to the upper body; immediate care, treatment, and rehabilitation of injuries and illnesses to athletes.

Prerequisites: ATEP 349, ATEP 349L.

Corequisite: ATEP 350L.

ATEP 365 - Pharmacology and Drug Education in Athletic Trainers (2 Credits)

Knowledge, skills, and values associated with athletic trainer's pharmacological applications in the treatment of injuries/illnesses, including use of alcohol and illicit drugs.

Prerequisites: ATEP 293, ATEP 348, ATEP 348L.

ATEP 366 - Therapeutic Modalities (3 Credits)

Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic modalities used in treatment of injuries/illnesses.

Prerequisites: ATEP 293, ATEP 349, ATEP 349L.

Corequisite: ATEP 366L.

ATEP 366L - Therapeutic Modalities Lab (1 Credit)

Integrates cognitive learning in conjunction with psychomotor skill development and assessment on the application of modalities in laboratory situations.

Corequisite: ATEP 366.

ATEP 392 - Athletic Training Clinical Experience III (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 293, ATEP 349, ATEP 349L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 393 - Athletic Training Clinical Experience IV (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 466 - Therapeutic Exercise (3 Credits)

Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic exercise programs for the rehabilitation and reconditioning of injured patients.

Prerequisites: EXSC 223, EXSC 224, ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

Corequisite: ATEP 466L.

ATEP 466L - Therapeutic Exercise Lab (1 Credit)

Techniques and skills of therapeutic exercise used in the development of rehabilitation programs for various injuries.

Corequisite: ATEP 466.

ATEP 492 - Athletic Training Clinical Experience V (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 393, ATEP 466, ATEP 466L, ATEP 497.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 493 - Athletic Training Clinical Experience VI (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 492, ATEP 496.

ATEP 494 - Athletic Training Senior Seminar (3 Credits)

Preparation for the BOC examination for athletic trainers; advanced skills and integration of athletic training principles and development of athletic training research; professional research and current literature pertaining to relevant topics in athletic training.

Prerequisites: ATEP 492.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ATEP 496 - Organization and Administration of Athletic Training (3 Credits)

Management and operation of athletic training programs.

Prerequisites: ATEP 393, ATEP 466, ATEP 466L, ATEP 497.

ATEP 497 - General Medical Concerns for Athletic Trainers (3 Credits)

Knowledge and skills to recognize, treat, and refer general medical conditions and disabilities.

Prerequisites: ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

EXSC 191 - Physical Activity and Health (3 Credits)

Concepts of exercise, nutrition, behavior changes, and skills to promote lifelong physical activity and health.

EXSC 200 - Introduction to Sports Medicine and Athletic Training (3 Credits)

Examination of careers and specific practices within sports medicine, specifically athletic training.

Prerequisites: C or better in EXSC 223 and EXSC 223L.

EXSC 201 - Foundations of Physical Therapy (3 Credits)

Introduction to the profession and practice of physical therapy detailing the functions, disorders, and therapies of the major organ systems in applied context.

EXSC 223 - Anatomy and Physiology I (3 Credits)

The structure and functions of the human body: tissues, integument, skeletal, muscular, respiratory, and reproductive systems, and regulation of eating and metabolism.

Prerequisites: ENGL 102; BIOL 102; CHEM 111; MATH 122 or MATH 141.

EXSC 223L - Anatomy and Physiology I Laboratory (1 Credit)

Hands-on activities covering micro- and macroscopic anatomical topics including identification of tissues, bones and markings of the skeletal system, the joints, and the skeletal muscles of the body.

Prerequisites: ENGL 102; BIOL 102, CHEM 111; MATH 122 or MATH 141.

Prerequisite or Corequisite: EXSC 223.

EXSC 224 - Anatomy and Physiology II (3 Credits)

The structure and functions of the human body: nervous, cardiovascular, digestive, immune, urinary, and endocrine systems.

Prerequisites: C or better in EXSC 223 and EXSC 223L.

EXSC 224L - Anatomy and Physiology II Lab (1 Credit)

Hands-on activities covering the gross anatomy nervous, cardiovascular, digestive, and muscular systems.

Prerequisites: C or better in both EXSC 223 and EXSC 223L.

EXSC 275 - Functional Musculoskeletal Anatomy (2 Credits)

Human anatomy for allied health professions. Focus on anatomy relevant to providing health services; knowledge and skills of orthopedic anatomy relative to muscle, ligament, and tendon; muscle origins, insertions, innervations, and actions pertaining to joint motion.

Prerequisites: EXSC 223 and EXSC 223L.

Corequisite: EXSC 275L.

EXSC 275L - Functional Musculoskeletal Anatomy Lab (1 Credit)

Clinical application of human anatomy for allied health care professions using discussion, models, and charts. Anatomy relevant to providing health care to individuals.

Prerequisites: EXSC 223 and EXSC 223L.

Corequisite: EXSC 275.

EXSC 303 - Perceptual-Motor Development (3 Credits)

Theoretical foundations and observation of growth and motor development of children, age birth to 10 years. Observation will be provided via video and live subjects provided by the instructor.

Prerequisites: C or higher in both EXSC 224 and EXSC 224L.

EXSC 330 - Exercise Physiology (3 Credits)

The individual and combined roles of the major organ systems of the body in maintaining homeostasis during muscular exercise.

Prerequisites: C or better in EXSC 224 and EXSC 224L.

Corequisite: EXSC 330L.

EXSC 330L - Exercise Physiology Lab (1 Credit)

Laboratory procedures in exercise physiology; measurement of physical fitness components.

Prerequisites: EXSC 224 and EXSC 224L.

Corequisite: EXSC 330.

EXSC 335 - Biomechanics of Human Movement (3 Credits)

Kinetic and kinematic principles governing efficient human movement. Selected methods of analyzing human movement will be reviewed.

Prerequisites: C or better in EXSC 224, EXSC 224L, PHYS 201 and PHYS 201L.

EXSC 341A - Health Fitness Practicum (1 Credit)

First hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224.

Cross-listed course: EXSC 341B, EXSC 341C

EXSC 341B - Health Fitness Practicum (1 Credit)

Second hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A.

Cross-listed course: EXSC 341A, EXSC 341C

EXSC 341C - Health Fitness Practicum (1 Credit)

Third hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A, EXSC 341B.

EXSC 342A - Practicum in Life-Span Motor Development (2 Credits)

Part I of a supervised practicum in a clinical setting in life-span motor development.

Prerequisites: EXSC 223, EXSC 224, EXSC 303.

Cross-listed course: EXSC 342B

EXSC 342B - Practicum in Life-Span Motor Development (2 Credits)

Part II of a supervised practicum in a clinical setting in a life-span motor development.

Prerequisites: EXSC 223, EXSC 224, EXSC 303, EXSC 342A.

Cross-listed course: EXSC 342A

Graduation with Leadership Distinction: GLD: Research

EXSC 343 - Practicum in Exercise Science (1-3 Credits)

Supervised practicum in a research or clinical setting for scientific-foundations track. Departmental special permission required.

Prerequisites: EXSC 223, EXSC 224.

EXSC 351 - Acquisition of Motor Skills (3 Credits)

Scientific and behavioral foundation of the learning and performance of motor skills.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 355 - Special Topics in Exercise Science (1-3 Credits)

Novel and emerging themes in exercise science. Content varies by instructor and title. May be repeated for a total of 6 credit hours as content varies by title.

EXSC 395 - Research Seminar in Exercise Science (3 Credits)

The research process in exercise science; participation in, presentation and discussion of current research.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 401 - Practicum Preparation (1 Credit)

Integration of major program of study and general education; issues of transition into senior practicum - EXSC 444.

Prerequisites: EXSC 330.

EXSC 410 - Psychology of Physical Activity (3 Credits)

Introduction to psychosocial factors in physical activity. Topics include mental health effects of exercise, behavior change theories applied to physical activity, and physical activity determinants and interventions.

Prerequisites: PSYC 101.

Cross-listed course: PSYC 401

EXSC 444 - Exercise Science Practicum (6 Credits)

Supervised experience in a field, clinical, or research setting. EXSC majors only.

Prerequisites: EXSC 401.

EXSC 454 - Health/Fitness Programs (3 Credits)

Design and implementation of health/fitness programs.

Prerequisites: EXSC 223, EXSC 224.

EXSC 464 - Conditioning Methods in Athletic Performance (3 Credits)

Students will learn how to perform pre-exercise assessments, develop appropriate exercise training programs based on these assessments, as well as lead and demonstrate safe and effective methods of exercise by the application of the primary theories and principles of exercise science.

Prerequisites: C or better in both EXSC 224 and EXSC 224L

EXSC 481 - Practicum in Community Fitness Programs (9 Credits)

Supervised experience in the administration of community-based fitness programs. Concurrent seminar with the supervising instructor.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A, EXSC 330, EXSC 330L, EXSC 531.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EXSC 482 - Internship in Life-Span Motor Development (9 Credits)

Supervised practical experience in clinical and/or field setting; individualized program and activity planning, and evaluation of neuromuscular abilities.

Prerequisites: EXSC 223, EXSC 224, EXSC 303, EXSC 342A, EXSC 342B.

EXSC 483 - Internship in Scientific Foundations (3 Credits)

Supervised experience in a clinical, field, or research setting. Restricted to Exercise Science Majors; Junior and Senior Level Standing.

Prerequisites: EXSC 223, EXSC 224.

EXSC 499 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 507 - Exercise, Sport, and Nutrition (3 Credits)

The relationship between exercise, sport performance, and nutrient metabolism.

Prerequisites: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

EXSC 531 - Clinical Exercise Physiology (3 Credits)

Scientific bases of clinical exercise programming. The fitness instructor's role in encouraging changes in exercise behavior.

Prerequisites: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

Corequisite: EXSC 531L.

EXSC 531L - Clinical Exercise Physiology Lab (0 Credits)

Prerequisite: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

EXSC 541 - Physiological Basis for Strength and Conditioning (3 Credits)

Investigation on the physiological basis for strength and conditioning. Principles of strength and conditioning through lecture based learning, demonstrations, and through laboratory activities.

Prerequisites: C or better in EXSC 330.

EXSC 555 - Current Topics in Exercise Science (1-3 Credits)

Content varies by title. Course may be repeated for a total of 6 credit hours.

EXSC 562 - Impairments of the Human Motor System (3 Credits)

Role of motor development in the growth and development of individuals exhibiting impaired motor control.

Prerequisites: biology, anatomy, physiology, or the equivalent.

EXSC 563 - Physical Activity and the Physical Dimensions of Aging (3 Credits)

The effects of age and physical activity on physical and motor functions of elderly individuals.

Prerequisites: EXSC 223, EXSC 224, EXSC 351, EXSC 330, EXSC 330L.

EXSC 585 - Women's Health and Physical Activity (3 Credits)

Sex differences in diseases, physiological function of sex hormones, hormonal changes in a woman's life, specific women's health issues, and role of physical activity and exercise in prevention and treatment of conditions and diseases specific to women or related to sex hormones. Restricted to 30 students, Special Permission by Instructor.

EXSC 608 - Apps, Wearables and Technology for Lifestyle Behavior Change and Weight Loss (3 Credits)

The course will increase students' understanding of the theoretical foundations, scientific evidence and practical application of technology-assisted lifestyle interventions, with an emphasis on behavioral weight control for adults.

Prerequisites: C or better in EXSC 410.

EXSC 620 - Nutrition and Immunology (3 Credits)

Examination of the interrelationships that link human nutrition to the immune system in health and disease. Topics will include basic immunology, overview of nutritional sources, deficiencies and excesses, and the impact on public health issues such as exercise, disease and aging.

Prerequisites: EXSC 330.

EXSC 626 - Cardiorespiratory Exercise Physiology (3 Credits)

Examination of the anatomy and function of the cardiovascular and respiratory systems of the exercising human organism, including acute adjustments and chronic adaptations to the systems.

Prerequisites: EXSC 330.

EXSC 641 - Neuromuscular Basis of Functional Strength Training (3 Credits)

The aim of this course is to acquire a fundamental understanding of how concepts from motor learning, neurophysiology, and muscle physiology are applied to functional strength training.

Prerequisites: C or better in EXSC 330, EXSC 330L, EXSC 351.

EXSC 651 - Analysis of Everyday Motor Behavior (3 Credits)

Students in this course will analyze everyday activities to gain insight into how humans plan, initiate, execute and refine motor skills. Students will also learn how to evaluate research on motor behavior and how to create novel studies aimed at advancing our understanding of everyday motor behavior.

Prerequisites: C or better in EXSC 351.

EXSC 663 - Environmental Exercise Physiology (3 Credits)

This course is designed to provide students a survey of physiological responses to a variety of environments, such as heat, cold, altitude, and microgravity environments, and how the body acclimatizes to these environments with regards to exercise training.

Prerequisites: C or better in EXSC 330 and EXSC 330L.

EXSC 666 - Cardiorespiratory Exercise Physiology (3 Credits)

Examination of the anatomy and function of the cardiovascular and respiratory systems of the exercising human organism, including acute adjustments and chronic adaptations to the systems.

Prerequisites: EXSC 330.

EXSC 669 - Skeletal Muscle Physiology: Form and Function (3 Credits)

Skeletal muscle physiology and exercise through select laboratory experiences and discussion of related research literature.

Prerequisites: C or better in both EXSC 330 and EXSC 330L.

EXSC 695 - Writing and Presenting in Research (3 Credits)

The research process in Exercise Science through participation, presentation, and discussion of current research.

Prerequisites: EXSC 224.

Exercise Science, B.S.

Learning Outcomes

- Students will describe the relationship among behavior, physical activity, functional capacity, and health and disease across the life span.
- Students will explain the connections between anatomical structures, physiological, and cellular mechanisms of exercise.
- Students will use scientific inquiry skills to understand research on exercise science and public health issues.
- Students will conduct disease risk factor screening, physical fitness assessments, and clinical exercise testing.
- Students will explain factors related to optimal motor skill function related to physical activity and exercise.
- Students will demonstrate proficient reasoning and critical thinking including the ability to analyze, synthesize, and evaluate information to make sound decisions and solve problems as they apply to exercise science and health.

Admission Requirements

Incoming freshmen who meet University of South Carolina admissions standards are eligible for admission to the degree programs offered by the Arnold School of Public Health. Transfer admission requires school

approval as well as prerequisite conditions detailed with the specific programs.

Degree Requirements (120 hours)

See Arnold School of Public Health (p. 436) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	12-15
3. Program Requirements	36-51
4. Major Requirements	25

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 201 or STAT 205

SCI – Scientific Literacy (8 hours)

must be passed with a grade of C or higher

- BIOL 101
- BIOL 101L
- BIOL 102
- BIOL 102L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC

foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

must be passed with a grade of C or higher

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

2. College Requirements (12-15 hours)

must be passed with a grade of C or higher

Course	Title	Credits
EPID 410	Principles of Epidemiology	3
EXSC 191	Physical Activity and Health	3
PUBH 302	Introduction to Public Health	3
SOCY 101	Introductory Sociology	3
UNIV 101	The Student in the University (transfer students are not required to take this course)	3
Total Credit Hours		15

3. Program Requirements (36-51 hours)

must be passed with a grade of C or higher

Supporting Courses (12 hours)

Course	Title	Credits
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Lab	1

PHYS 201	General Physics I	3
PHYS 201L	General Physics Laboratory I	1
Select one of the following:		4
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab	
PHYS 202 & 202L	General Physics II and General Physics Laboratory II	
Total Credit Hours		12

Exercise Science Cognate (12 hours)

Must be passed with a grade of C or higher.

Each student must complete an EXSC cognate of 12 credit hours. The cognate is intended to support the course work in the major and enhance the student's area of interest. EXSC cognate courses will be selected from EXSC courses that are 300 level and above. EXSC core requirement courses may not count towards the cognate. All EXSC cognate courses must be approved by the student's academic advisor.

Cognate (12 hours)

Must be passed with a grade of C or higher.

Each student must complete a cognate of 12 credit hours. The cognate is intended to support the course work in the major. Depending on students interests, cognate courses may be selected from one or several units. A cognate differs from a minor in that the courses must be 300-level or above and may be distributed over more than one subject area. Courses applied toward minimum Carolina Core requirements, EXSC core courses, or EXSC cognate courses cannot be counted toward the cognate. All cognate courses must be approved by the student's academic advisor.

Courses offered by departments and programs that are acceptable for cognate credit are outlined here (<https://academicbulletins.sc.edu/undergraduate/public-health/courses-acceptable-cognate-exercise-science/>).

Minor (18 hours) *optional*

Students majoring in Exercise Science may pursue minors offered by other units. In completing a minor, students may apply advisor-approved courses to both the minor and cognate, or elective requirements.

Electives (0-15 hours)

Students in Exercise Science must complete a minimum of 120 credit hours. Depending on specific course choices, students must complete an appropriate number of elective courses.

4. Major Requirements (25 hours)

A minimum grade of C is required in all major courses.

Course	Title	Credits
EXSC 223	Anatomy and Physiology I	3
EXSC 223L	Anatomy and Physiology I Laboratory	1
EXSC 224	Anatomy and Physiology II	3
EXSC 224L	Anatomy and Physiology II Lab	1
EXSC 330	Exercise Physiology	3
EXSC 330L	Exercise Physiology Lab	1
EXSC 335	Biomechanics of Human Movement	3
or EXSC 410	Psychology of Physical Activity	
EXSC 351	Acquisition of Motor Skills	3

EXSC 401	Practicum Preparation	1
EXSC 444	Exercise Science Practicum	6
Total Credit Hours		25

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Exercise Science, B.S.

Health Promotion, Education, and Behavior

Department Website (<http://www.sph.sc.edu/hpeb/>)

Edward A. Frongillo, Jr., *Chair*

Programs leading to degrees in health promotion, education, and behavior focus on understanding how policy, environmental, institutional, and individual actions can improve the public's health. This work, usually done in partnership with organizations and communities, uses principles and methods from the social and behavioral sciences to promote health in diverse settings across South Carolina, the US, and the globe. Health promotion, education, and behavior is an activist field with a deep commitment to improving the health and welfare of the most disadvantaged people in our world. The field recognizes the importance of learning not just what should and can be done to improve the public's health, but also how it can be done in a way that is cost-effective, embedded in community structures and culture, and at a large enough scale to have real impact. Programs in health promotion, education, and behavior prepare practice and research professionals through courses, practical experiences, and research projects that emphasize understanding of learning, motivation, behavior change, program planning and evaluation, community development, organizational behavior, applied communications, and socio-political processes at multiple levels of societal organization. Students are prepared to engage in professional activities that will:

- influence individuals to adopt or maintain healthful practices through skill development, social support enhancement, and environmental and policy change
- foster teaching and communication skills in all those engaged in health promotion
- advocate changes in organizations and the environment which will facilitate healthful practices
- develop appropriate and effective programs aimed at promoting good health through change in behaviors at the intrapersonal, interpersonal, organizational, community, and public-policy levels
- enhance the health promoter's role as a model, advocate, and leader in public health
- evaluate health promotion programs to ensure they are meeting societal goals and program objectives
- develop and disseminate new knowledge through systematic research and evaluation

- inform people about health, wellness, illness, and disability, and ways in which they can protect and improve their health, including more efficient use of the health care delivery system.

The Department of Health Promotion, Education, and Behavior offers programs that lead to the degrees of Master of Public Health, dual degree Master of Social Work/Master of Public Health, Doctor of Philosophy, and Doctor of Public Health and to the Graduate Certificate in Health Communication. Although no undergraduate degree is offered by the department, undergraduate students may complete a minor in health promotion, education, and behavior (18 hours). The following courses are available for undergraduate credit with permission of the faculty.

Programs

- Health Promotion, Education, and Behavior Minor (p. 447)
- Nutrition and Food Systems Minor (p. 448)

Courses

HPEB 300 - Introduction to Health Promotion, Education, and Behavior (3 Credits)

The historical and philosophical basis, current problems, career opportunities, and literature in the health promotion, education, and behavior change professions.

HPEB 301 - Practicum in Health Promotion (1-6 Credits)

Practical experience in applying health promotion principles in the community or organization.

Prerequisites: HPEB 300.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

HPEB 321 - Personal and Community Health (3 Credits)

Psychosocial health, stress management, leading infectious and noninfectious diseases, nutrition, physical fitness, sexuality, consumer health and health care access, environmental health, aging, and death.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 331 - Health Education for the Elementary School (3 Credits)

Methods and materials for elementary schools. Integration and correlation of materials with school subjects. Sample content developed for primary, intermediate, and upper grades.

HPEB 335 - First Aid and Emergency Preparedness (3 Credits)

Emphasis upon preparing school personnel to act responsibly in emergency situations. Includes the American National Red Cross standard and advanced first aid instruction.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 399 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. Open to sophomores and above.

Graduation with Leadership Distinction: GLD: Research

HPEB 434 - Health Education (3 Credits)

Methods of teaching health in school and community settings; techniques and strategies.

Prerequisites: HPEB 221, HPEB 223, and HPEB 224.

HPEB 468 - Safety and Safety Education (3 Credits)

Place of safety in modern life. Contributing factors to accidents, developing an awareness of the potential accident situation with special emphasis upon school setting, planning for and conduct of a safety education program.

HPEB 470 - Principles of Global Health (3 Credits)

Examination of major global health topics and approaches used by governmental, non-governmental, international institutions and donor agencies to improve health in low and middle income countries. Critical analysis and generation of intervention strategies to combat health issues in various country settings.

Graduation with Leadership Distinction: GLD: Global Learning

HPEB 471 - Social Determinants of Health (3 Credits)

The social, cultural, economic, and political factors that influence health and its distribution within and between populations. How society helps shape our health beliefs, behaviors, and status.

HPEB 488 - Food Systems (3 Credits)

Multiple dimensions of food systems along multiple dimensions of theory and practice. Restricted to Junior or Senior level standing.

Prerequisites: 12 hours of minor completed and ECON 101.

HPEB 489 - Food Systems Capstone Seminar (3 Credits)

Synthesis and application of content and competencies of the minor in nutrition and food systems in a practical setting with emphasis on student identified areas for professional growth. Restricted to Senior level standing.

Prerequisites: HPEB 488.

HPEB 492 - Special Topics in Health Promotion, Education, and Behavior (3 Credits)

A study of special topics in health promotion, education, and behavior. Individual topics to be announced in master schedule by title.

HPEB 501 - Human Sexuality Education (3 Credits)

Planning, implementation and evaluation of effective sexuality education programs. Includes strategies for educating about a variety of sexuality topics (e.g., reproductive biology, relationships, HIV/AIDS, sexual orientation, pregnancy, childbirth, and parenting).

HPEB 502 - Applied Aspects of Human Nutrition (3 Credits)

Application of nutrition principles including functions of food and nutrients in health and disease prevention throughout the life cycle. Applied topics include weight management, food safety, and other contemporary issues.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 511 - Health Problems in a Changing Society (3 Credits)

Current and emerging health problems in society: causes, effects, and prevention.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

HPEB 512 - Southern Discomfort: Public Health in the American South (3 Credits)

Investigation of the unique health and disease profile of the American South, including regional disparities that remain unresolved despite a public health revolution. Topics range from endemic diseases of the antebellum period to the current HIV/AIDS crisis, and ethics of research.

HPEB 513 - Race, Ethnicity, and Health: Examining Health Inequalities (3 Credits)

A comprehensive overview of race/ethnicity and health. Class discussions will focus on comparing health status and health outcomes of different racial/ethnic groups in the U.S. and discussing possible explanations for inequalities from a behavioral science perspective.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 521 - The Total School Health Program (3 Credits)

A course designed to acquaint the student with the various facets of the modern school health program. Includes school responsibilities for health and safety instruction, school health services, school environmental health problems, school and community relationships, resources for health, and evaluation of programs.

HPEB 540 - Drug Prevention (3 Credits)

Nature of drug actions, motivational factors that influence the use and abuse of drugs, and examination and evaluation of procedures to provide effective drug prevention efforts.

HPEB 542 - Tobacco Prevention and Control in Public Health (3 Credits)

Examines policies and practices for tobacco prevention and control in public health.

HPEB 547 - Consumer Health in Contemporary Society (3 Credits)

An analysis and appraisal of issues related to the production and distribution of products and services as these activities affect consumer health.

HPEB 550 - Behavioral Concepts and Processes for the Health Professional (3 Credits)

The development of interpersonal skills in dealing with health clients in various settings.

HPEB 551 - Medical Anthropology: Field Work (3 Credits)

Application of observation techniques, field notes, informant interviewing, and secondary data analysis to interpreting differential perceptions of health problem solving in the community and clinic.

HPEB 552 - Medical Anthropology (3 Credits)

Socio-cultural factors in health, illness, healing, and in medical systems. Cross-cultural and ethnographic evidence for public health research and program applications.

Cross-listed course: ANTH 552

Graduation with Leadership Distinction: GLD: Research

HPEB 553 - Community Health Problems (3 Credits)

Identification and analysis of major community health problems, their causes, the roles of individuals, community agencies, and government in affecting their solutions. Emphasis upon personal involvement and the responsibility for community health.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 555 - Managing Stress (3 Credits)

Conceptualizing the nature of the stress; psychological, emotional, and spiritual aspects of stress; competency in the active management of stress and mobilizing support.

HPEB 560 - Cooking Up a Storm: Food, Globalization, Localization, and Health in the South (3 Credits)

The role of food in defining our relationships to our family, community, nation, and world. How food underlies much of the political, economic, and social struggles throughout the world.

HPEB 620 - Nutrition Through the Life Cycle (3 Credits)

Examination of nutritional concerns, requirements, and metabolism from pre-conception through the aging process; analysis of cultural, environmental, psychosocial, physical, and economic factors affecting nutritional status through the life cycle; and methods for assuring adequate nutrition through dietary selection, promotion of healthy eating throughout the life cycle and nutritional assessment for each state of the life cycle.

HPEB 621 - Maternal and Child Health (3 Credits)

Public health issues, social and behavioral science, policies, programs, and services related to maternal and child health in the United States and other countries.

Cross-listed course: WGST 621

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HPEB 627 - Lesbian, Gay, Bisexual and Transgender (LGBT) Health (3 Credits)

Health status and concerns of lesbian, gay, bisexual, and transgender communities. Includes an examination of measurement issues and methodological considerations in research, as well as intervention efforts targeting LGBT populations.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 631 - Health Promotion for Elementary and Middle School Teachers (3 Credits)

A multimedia course emphasizing health education strategies for major S.C. health problems, risk factors, and concepts of positive health behavior.

HPEB 640 - Behavioral Economics in Public Health (3 Credits)

The ways behavioral economics can help achieve goals in public health and health care. How behavioral insights can be applied to reach promotion aims ranging from achieving weight loss to medication adherence to appointment attendance.

HPEB 653 - Nutrition Assessment and Counseling (3 Credits)

Assessment of nutritional outcomes and work with research participants/patients. Methods for collection of dietary data, anthropometry, and body composition, including the use of new technologies. Nutrition counseling and interviewing techniques useful in gathering nutrition information.

HPEB 654 - Maternal and Child Nutrition (3 Credits)

A survey of current concepts in clinical and public health nutrition which are unique to infants, children, and pregnant and lactating women.

HPEB 674 - Social Networks, Social Capital, and Health (3 Credits)

Examination of health sciences and sociological research on social networks, social capital, and health. Theoretical and methodological foundations for network analysis of social relationships and health, design of public health interventions, and use of online social networks to promote health. Key constructs include social support, social capital, and social diffusion.

HPEB 679 - Addressing Childhood Obesity through Community Approaches (2 Credits)

Approaches for prevention of childhood obesity, using perspectives from public health, social work, exercise science, pharmacy, medicine, and behavioral nutrition. Training to teach diet/physical activity lessons in elementary school settings.

Cross-listed course: SOWK 679

HPEB 680 - Laboratory Techniques in Physiological Measurement (3 Credits)

Practical laboratory skills and theoretical bases of measurements in human physiology; bioelectrical potentials, respiratory physiology, energy expenditure, body composition, temperature regulation, and biochemical assays.

HPEB 683 - Contemporary Topics in Sexual Health (3 Credits)

Comprehensive overview of contemporary topics in sexual health.

HPEB 684 - HIV/STI Prevention (3 Credits)

The role of effective behavioral interventions in preventing the spread of the human immunodeficiency virus (HIV) and other sexually transmitted infections (STI) among diverse populations.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Research

HPEB 690 - Independent Study (1-6 Credits)

Topics to be assigned and approved by advisor and department head.

Health Promotion, Education, and Behavior Minor

The minor in Health Promotion, Education and Behavior (HPEB) requires a minimum of 18 credit hours. This minor provides a basic foundation for students desiring preparation in health promotion, health education, health behavior change, and disease prevention. The minor in HPEB may be used in combination with many majors to enhance student's career opportunities and as preparation for graduate study in a variety of health and health-related disciplines. The HPEB minor is compatible with various majors such as, but not limited to: exercise science, psychology, sociology, anthropology, political science and international studies, nursing, women's studies, physical education, and instruction and teacher education.

Minor Requirements

To enroll in the HPEB minor, students must have a minimum 2.75 GPA. A minimum of 18 credit hours is required from the following curriculum. Students must complete courses with a grade of 'C' or higher.

Course	Title	Credits
Core Course Requirements		
HPEB 300	Introduction to Health Promotion, Education, and Behavior	3
HPEB 553	Community Health Problems	3
Electives		
Select one course on the topic of "Special Populations" from the following:		3
WGST 113	Women's Health	
SOCY 313	Sociology of Aging	
WGST 388	Cultures, Pregnancy, and Birth	
HPEB 512	Southern Discomfort: Public Health in the American South	
HPEB 513	Race, Ethnicity, and Health: Examining Health Inequalities	
HPEB 621	Maternal and Child Health	
HPEB 627	Lesbian, Gay, Bisexual and Transgender (LGBT) Health	
Select one course on the topic of "Health and Health Behaviors" from the following:		3
PSYC 300	Human Sexual Behavior	
PSYC 465	Health Psychology	
SOCY 360	Sociology of Medicine and Health	
HPEB 335	First Aid and Emergency Preparedness	
HPEB 501	Human Sexuality Education	
HPEB 502	Applied Aspects of Human Nutrition	
HPEB 521	The Total School Health Program	

HPEB 540	Drug Prevention
HPEB 542	Tobacco Prevention and Control in Public Health
HPEB 620	Nutrition Through the Life Cycle
HPEB 654	Maternal and Child Nutrition
HPEB 684	HIV/STI Prevention

Select one course on the topic of "General Concepts in Health Promotion" from the following: 3

SOCY 310	Social Demography
SOCY 315	Global Population Issues
HPEB 301	Practicum in Health Promotion
HPEB 321	Personal and Community Health
HPEB 470	Principles of Global Health
HPEB 488	Food Systems
HPEB 511	Health Problems in a Changing Society
HPEB 547	Consumer Health in Contemporary Society
HPEB 550	Behavioral Concepts and Processes for the Health Professional
HPEB 551	Medical Anthropology: Field Work
HPEB 552	Medical Anthropology

Additional Course

Select an additional course from one of the three focus areas listed above: 3

Special Populations
Health and Health Behaviors
General Concepts in Health Promotion

Total Credit Hours 18

Note: A maximum of 3 non-HPEB courses can be taken to fulfill the elective requirements.

Nutrition and Food Systems Minor

The minor in Nutrition and Food Systems requires a minimum of 18 credit hours. This minor will meet student interests in nutrition and food systems by offering courses that focus on the production, processing, retail, consumption, and disposal of food. The Nutrition and Food Systems minor is compatible with various majors such as, but not limited to: exercise science, psychology, sociology, anthropology, political science and international studies, nursing, women's studies, physical education, and instruction and teacher education. A minimum of 18 credit hours is required from the following curriculum. Students must complete courses with a grade of "C# or higher.

Minor Requirements (18 hours)

Course	Title	Credits
Course Work		
HPEB 488	Food Systems	3
HPEB 489	Food Systems Capstone Seminar	3
ECON 224	Introduction to Economics	3
Select one of the following:		3
ENVR 101	Introduction to the Environment	
ENVR 323	Global Environmental Health	
GEOG 210	Peoples, Places, and Environments	
GEOG 346	Climate and Society	
GEOG 348	Biogeography	

GEOG 371	Air Pollution Climatology
Another approved course on the topic of "Food & Environment"	
Select one of the following: 3	

ANTH 212	Food and Culture
HPEB 502	Applied Aspects of Human Nutrition
HPEB 560	Cooking Up a Storm: Food, Globalization, Localization, and Health in the South
HPEB 620	Nutrition Through the Life Cycle
HPEB 654	Maternal and Child Nutrition

Another approved course on the topic of "Nutrition" 3

Select one of the following:	
ENVR 331	Integrating Sustainability
HRTM 428	Sustainable Foodservice Systems
GEOG 313	Economic Geography
GEOG 321	Sustainable Cities
GEOG 343	Environment and Society
GEOG 347	Water as a Resource

Another approved course on the topic of "Sustainability" 3

Total Credit Hours 18

Note:

- ECON 224 plus 6 additional credit hours from "Food & Environment," "Nutrition," or "Sustainability" must be completed prior to enrolling in HPEB 488.
- Courses on "Food & Environment," "Nutrition," or "Sustainability" may be taken in any order.
- Business or Economics majors fulfill the ECON 224 requirement by completing ECON 221 or ECON 222 in their regular degree requirements but must complete one additional course chosen from the "Food and Environment," "Nutrition," and "Sustainability" topics to reach the required 18 hours in the minor.

Health Services Policy and Management

Department Website (https://www.sc.edu/study/colleges_schools/public_health/study/areas_of_study/health_services_policy_and_management/)

James Hardin, *Interim Chair*

The Department of Health Services Policy and Management promotes individual and community health through improvements in the organization and management of public health and health care delivery.

The department offers the Master of Public Health (M.P.H.), the Master of Health Administration (M.H.A.), and three dual degrees: the Master of Social Work/Master of Public Health (M.S.W./M.P.H.), the Master of Public Health/Master of Public Administration (M.P.H./M.P.A.) and the Juris Doctor/Master of Health Administration (J.D./M.H.A.) (see Graduate Dual Degree Programs). At the doctoral level, the department offers the Doctor of Philosophy (Ph.D.).

The Department of Health Services Policy and Management does not offer an undergraduate major at this time.

Courses

HSPM 401 - Independent Study (3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor.
Graduation with Leadership Distinction: GLD: Research

HSPM 412 - Health Economics (3 Credits)

Designed to serve as an introduction to economic principles and applications used in the health sector. The role economics plays in various aspects of health care, demand-side and supply-side factors and issues, how various health care systems are impacted.

HSPM 491 - Special Topics in Health Services Policy and Management (3 Credits)

Emerging issues in Health Services Policy and Management. May be repeated for a total of 6 credit hours as content varies by title.

HSPM 500 - Introduction to Health Care Management and Organization (3 Credits)

Provide students with overview of health services management, management techniques and the different roles and functions of the different health care services. Use of field trips and guest speakers from different health care providers.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HSPM 509 - Fundamentals of Rural Health (3 Credits)

Overview of the delivery and financing of health care in the rural U.S., with emphasis on vulnerable rural populations and access to care.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HSPM 510 - Comparative Health Systems and Health System Efficiency, Effectiveness, Sustainability and Equity (3 Credits)

Comparative health systems of the world including health system organization, management, financing, resource use and health outcomes.

HSPM 513 - Issues in Health Care Information Management (3 Credits)

An introduction to data management in healthcare institutions for undergraduate students and non-HSPM major graduate students. Topics include the nature of medical data, legal protections surrounding such information, and basis strategies for managing information technology resources.

Prerequisites: HSPM 500.

HSPM 514 - Introduction to Health Services Delivery and Policy (3 Credits)

Overview of health services delivery in the United States, including organization and financing of health care, health insurance practices, primary and long-term care among other topics.

HSPM 530 - Finance in Health Administration (3 Credits)

Introduction to health care finance. Course will teach reimbursement structures, regulatory mechanisms, cost control, and related factors unique to healthcare organizations.

Prerequisites: BADM 225.

Public Health Programs (Division of Academic Affairs)

Department Website (<http://www.sph.sc.edu/>)

The Division of Academic Affairs administers several interdisciplinary programs in the Arnold School, including the B.A. and B.S in public health.

Programs of Study

The Arnold School of Public Health offers both the Bachelor of Arts (B.A.) degree and the Bachelor of Science (B.S.) degree with a major in public health. These degrees are designed to provide a broad liberal undergraduate education that includes a general understanding of public health, instills a strong sense of values, and provides the capacity to adapt acquired knowledge and abilities to address new challenges. These programs provide the student with two paths to a broad pre-professional education. In addition to general education and public health-related coursework, the B.A. curriculum will prepare undergraduate students through rigorous study of the social and behavioral sciences for entry into social science-based graduate programs and schools of law. Students in the B.S. major will receive the same general and public health core courses and, will take courses in the natural sciences leading potentially to graduate work in the public health laboratory sciences or study in the field of medicine.

Entrance Requirements

Incoming freshmen who meet University of South Carolina admissions standards are eligible for admission to the degree programs offered by the Arnold School of Public Health. Transfer admission requires school approval as well as prerequisite conditions.

Transfer Admission

1. Students from other USC campuses who have completed fewer than 30 semester hours must also meet Columbia campus freshman admission requirements.
2. Transfer students from regionally accredited institutions must present a minimum cumulative GPA of 2.75 on all college work taken. Students who have fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements.

Retention and Progression Standards

1. If the semester, yearly, or cumulative grade point average of a student is below 2.00, the student will be notified in writing.
2. A public health major must receive a grade of C or higher in any course in order for it to serve as a prerequisite.
3. A student in public health must earn a grade of C or higher in all required major course work and in required cognates.
4. A public health major may attempt any required major course work, cognates and any prerequisites a maximum of two times to fulfill the requirement. A grade of W will be included as an attempt.
5. A public health major may repeat a maximum of three public health required courses.

Attendance Requirements

Students enrolled in public health are subject to attendance regulations of the University described elsewhere in the bulletin. When a student enrolls in a particular course, the student is obligated for all the work which may be assigned. Punctual and regular attendance is vital to the discharge of this obligation. The student is responsible for all assigned work in a course, and absences, excused or not, do not absolve the student of this responsibility.

Minors

Students majoring in public health may pursue minors as offered by other units. In completing minors, students may apply advisor-approved courses to both the minor and the cognate or elective requirements.

Programs

- Public Health, B.A. (p. 450)
- Public Health, B.S. (p. 452)

Courses

PUBH 302 - Introduction to Public Health (3 Credits)

An introduction to the history, theory, and practice of public health. Emphasis will be on the population perspective and the ecological model including the population impacts of health care systems.

PUBH 399 - Independent Study in Public Health (1-3 Credits)

Contract approved by instructor, advisor, and dean of the Arnold School is required for undergraduate students. May be repeated for up to 6 credits.

PUBH 492 - Special Topics in Public Health (3 Credits)

Issues and emerging themes in public health. May be repeated for a total of 9 credit hours as content varies by title.

PUBH 498 - Public Health Capstone Seminar (3 Credits)

Synthesis and application of BS/BA public health program content and competencies in a practice setting with emphasis on student identified areas for professional growth.

Prerequisites: PUBH 302.

Graduation with Leadership Distinction: GLD: Community Service

Experiential Learning: Experiential Learning Opportunity

PUBH 499 - Foundations of Public Health Leadership (3 Credits)

An introduction to core principles in public health leadership. Areas included are ethics, public health issues, communication issues, leadership competencies, and leadership values.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PUBH 678 - Transforming Health Care for the Future (1 Credit)

Foundation for beginning health professions students to gain an understanding of the complexities of the health care system through experiential activities conducted in interprofessional teams and the importance of interprofessional collaboration in order to improve the system.

Cross-listed course: SOWK 678

Public Health, B.A.

Learning Outcomes

- Students will illustrate the contributions of a range of disciplines and professions in improving the health of the public.
- The student will demonstrate the ability to utilize information from various contexts in the field of public health.
- Students will understand the role of the socio-behavioral sciences in the determinants and prevention of public health problems; understand and discuss the importance and influence of social and cultural factors and their effects on public health; and explain how public health can utilize social and behavioral interventions to improve the health of populations.

- Student will understand the role of the physical and natural sciences in the determinants of and relationship to problems in the health of the public.
- The student will discuss individual and social accountability including civic responsibility and ethical reasoning as they apply to the health of populations.
- The student will use suitable technologies, scientific inquiry skills and communication strategies to locate and use information on public health issues.
- The student will demonstrate proficient reasoning and critical thinking including the ability to analyze, synthesize and evaluate information to make sound decisions and solve problems as they apply to public health.

Admission Requirements

Incoming freshmen who meet University of South Carolina admissions standards are eligible for admission to the degree programs offered by the Arnold School of Public Health. Transfer admission requires school approval as well as prerequisite conditions detailed with the specific programs.

Degree Requirements (120 hours)

See Arnold School of Public Health (p. 436) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	12-15
3. Program Requirements	38-53
4. Major Requirements	24

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

must be passed with a grade of C or higher

- STAT 110
- STAT 201 or STAT 205

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory science

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

must be passed with a grade of C or higher

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (12-15 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
EPID 410	Principles of Epidemiology	3
EXSC 191	Physical Activity and Health	3
PUBH 302	Introduction to Public Health	3
SOCY 101	Introductory Sociology	3

UNIV 101	The Student in the University (transfer students are not required to take this course)	3
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Total Credit Hours 15

3. Program Requirements (38-53 hours)

Supporting Courses (6 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
ANTH 102	Understanding Other Cultures	3
ECON 224	Introduction to Economics	3

Total Credit Hours 6

Cognates (24 hours)

Must be passed with a grade of C or higher

Each student must complete two cognates of 12 credit hours each. The cognates are intended to support the course work in the major. Depending on student interests, cognate courses may be selected from one or several units. A cognate differs from a minor in that the courses must be 300 level or above and may be distributed over more than one subject area. Courses applied toward minimum Carolina Core requirements cannot be counted toward either cognate. All cognate courses must be approved by the student's academic advisor.

Courses offered by departments and programs that are acceptable for cognate credit are outlined here (p. 454).

Minor (18 hours) optional

Students majoring in Public Health may pursue minors offered by other units. In completing a minor, students may apply advisor-approved courses to both the minor and cognate, or elective requirements.

Electives (8-23 hours)

Students in Public Health must complete a minimum of 120 credit hours. Depending on specific course choices, students must complete an appropriate number of elective courses.

4. Major Requirements (24 hours)

Major Courses (24 hours)

A minimum grade of C is required in all major courses

Course	Title	Credits
ENHS 321	Environmental Pollution and Health	3
HPEB 300	Introduction to Health Promotion, Education, and Behavior	3
HPEB 470	Principles of Global Health	3
HPEB 553	Community Health Problems	3
HSPM 412	Health Economics	3
HSPM 500	Introduction to Health Care Management and Organization	3
COMD 500	Introduction to Speech-Language Pathology and Audiology	3
or EXSC 410	Psychology of Physical Activity	
PUBH 498	Public Health Capstone Seminar (Carolina Core Integrative Course, Public Health, BA, BS)	3

Total Credit Hours 24

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Public Health, B.A.

Public Health, B.S.

Learning Outcomes

- Students will illustrate the contributions of a range of disciplines and professions in improving the health of the public.
- The student will demonstrate the ability to utilize information from various contexts in the field of public health.
- Students will understand the role of the socio-behavioral sciences in the determinants and prevention of public health problems; understand and discuss the importance and influence of social and cultural factors and their effects on public health; and explain how public health can utilize social and behavioral interventions to improve the health of populations.
- Student will understand the role of the physical and natural sciences in the determinants of and relationship to problems in the health of the public.
- The student will discuss individual and social accountability including civic responsibility and ethical reasoning as they apply to the health of populations.
- The student will use suitable technologies, scientific inquiry skills and communication strategies to conduct locate and use information on public health issues.
- The student will demonstrate proficient reasoning and critical thinking including the ability to analyze, synthesize and evaluate information to make sound decisions and solve problems as they apply to public health.

Admission Requirements

Incoming freshmen who meet University of South Carolina admissions standards are eligible for admission to the degree programs offered by the Arnold School of Public Health. Transfer admission requires school approval as well as prerequisite conditions detailed with the specific programs.

Degree Requirements (120 hours)

See Arnold School of Public Health (p. 436) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	12-15
3. Program Requirements	32-44
4. Major Requirements	32

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

Must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

Must be passed with a grade of C or higher

- MATH 122 or MATH 141
- STAT 201 or STAT 205

SCI – Scientific Literacy (8 hours)

Must be passed with a grade of C or higher

- BIOL 101
- BIOL 101L
- BIOL 102
- BIOL 102L

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students shall demonstrate in one foreign language the ability to comprehend the topic and main ideas in written and, with the exception of Latin and Ancient Greek, spoken texts on familiar subjects. This ability can be demonstrated by achieving a score of two or better on a USC foreign language test. Those failing to do so must satisfactorily complete equivalent study of foreign language at USC.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

Must be passed with a grade of C or higher

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

2. College Requirements (12-15 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
EPID 410	Principles of Epidemiology	3
EXSC 191	Physical Activity and Health	3
PUBH 302	Introduction to Public Health	3
SOCY 101	Introductory Sociology	3
UNIV 101	The Student in the University (transfer students are not required to take this course)	3
Total Credit Hours		15

3. Program Requirements (32-44 hours)

Supporting Courses (20-21 hours)

Must be passed with a grade of C or higher

Course	Title	Credits
CHEM 111	General Chemistry I	3
CHEM 111L	General Chemistry I Lab	1
PHYS 201	General Physics I	3
PHYS 201L	General Physics Laboratory I	1
Select one of the following:		4
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab	
PHYS 202 & 202L	General Physics II and General Physics Laboratory II	
Total Credit Hours		12

Program Electives (8-9 hours): Each student must complete 8-9 credit hours of related courses (300 level or above) to support coursework in the major. All major specific electives must be approved by the student's academic advisor. A minimum grade of C in these courses is required.

Courses offered by departments and programs that are acceptable for program elective credit are outlined here (p. 454).

Natural Science Cognate (12 hours)

Must be passed with a grade of C or higher

Each student must complete a cognate of 12 credit hours of natural and physical sciences. The cognate is intended to support the course work in the major. Depending on student interests, cognate courses may be selected from one or several units. A cognate differs from a minor in that the courses must be 300 level or above and may be distributed over more than one subject area. Courses applied toward minimum Carolina Core requirements cannot be counted toward the cognate. All cognate courses must be approved by the student's academic advisor.

The list of course options for the Natural Science Cognate are outlined here (<https://academicbulletins.sc.edu/undergraduate/public-health/natural-sciences-cognate/>).

Minor (18 hours) optional

Students majoring in Public Health may pursue minors offered by other units. In completing a minor, students may apply advisor-approved courses to both the minor and cognate, or elective requirements.

Electives (0-12 hours)

Students in Public Health must complete a minimum of 120 credit hours. Depending on specific course choices, students must complete an appropriate number of elective courses.

4. Major Requirements (32 hours)

A minimum grade of C is required in all major courses

Course	Title	Credits
ENHS 321	Environmental Pollution and Health	3
EXSC 223	Anatomy and Physiology I	3
EXSC 223L	Anatomy and Physiology I Laboratory	1
EXSC 224	Anatomy and Physiology II	3
EXSC 224L	Anatomy and Physiology II Lab	1
HPEB 300	Introduction to Health Promotion, Education, and Behavior	3
HPEB 470	Principles of Global Health	3
HPEB 553	Community Health Problems	3
HSPM 412	Health Economics	3
HSPM 500	Introduction to Health Care Management and Organization	3
COMD 500	Introduction to Speech-Language Pathology and Audiology	3
or EXSC 410	Psychology of Physical Activity	
PUBH 498	Public Health Capstone Seminar (Carolina Core Integrative Course, Public Health, BA, BS)	3
Total Credit Hours		32

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor

for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Public Health, B.S.

Courses Acceptable for Cognate Credit for Public Health, BA and Program Electives for Public Health, BS

Accounting (ACCT): all numbered 300 and above

Aerospace Studies (AERO): all numbered 300 and above

African American Studies (AFAM): all numbered 300 and above

Anthropology (ANTH): all numbered 300 and above

Arabic (ARAB): all numbered 300 and above

Army/Military Science (ARMY): all numbered 300 and above

Art Education (ARTE): all numbered 300 and above

Art History (ARTH): all numbered 300 and above

Art Studio (ARTS): all numbered 300 and above

Astronomy (ASTR): all numbered 200 and above

Biological Sciences (BIOL): all numbered 200 and above

Chemistry (CHEM): all numbered 200 and above

Chinese (CHIN): all numbered 300 and above

Classics (CLAS): all numbered 300 and above and CLAS 230

Communication Sciences and Disorders: all numbered 300 and above

Comparative Literature (CPLT): all numbered 300 and above

Computer Science (CSCE): all numbered 300 and above

Criminology and Criminal Justice (CRJU): all numbered 300 and above

Dance (DANC): all numbered 300 and above

Economics (ECON): all numbered 300 and above

Education (EDCE, EDEC, EDEL, EDET, EDEX, EDFN, EDLP, EDML, EDPY, EDRD, EDRM, EDSE, EDTE, PEDU): all numbered 300 and above except directed teaching courses and seminars

Engineering (BMEN, ECHE, ECIV, ELCT, EMCH, ENCP): all numbered 200 and above

English (ENGL): all numbered 300 and above

Environment and Sustainability (ENVR): all numbered 300 and above

European Studies (EURO): all numbered 300 and above

Exercise Science (EXSC): all numbered 300 and above

Film and Media Studies (FAMS): all numbered 300 and above

Finance (FINA): all numbered 300 and above

Foreign Language (FORL): all numbered 300 and above

French (FREN): all numbered 300 and above

Geography (GEOG): all numbered 300 and above

Geology (GEOL): all numbered 200 and above

German (GERM): all numbered 300 and above

Greek (GREK): all numbered 300 and above

Health Promotion, Education and Behavior (HPEB): all numbered 300 and above except HPEB 335

History (HIST): all numbered 300 and above

Hotel, Restaurant, and Tourism Management (HRTM): all numbered 300 and above

Information Science (ISCI): all numbered 300 and above

Integrated Information Technology (ITEC): all numbered 300 and above

International Business (IBUS): all numbered 300 and above

Italian (ITAL): all numbered 300 and above

Japanese (JAPA): all numbered 300 and above

Jewish Studies (JSTU): all numbered 300 and above

Journalism (JOUR): all numbered 300 and above

Latin (LATN): all numbered 300 and above

Latin American Studies (LASP): all numbered 300 and above

Linguistics (LING): all numbered 300 and above

Management (MGMT): all numbered 300 and above

Management Science (MGSC): all numbered 300 and above

Marine Science (MSCI): all numbered 200 and above

Marketing (MKTG): all numbered 300 and above

Mathematics (MATH): all numbered 300 and above

Media Arts (MART): all numbered 300 and above

Music (MUSC): All numbered 300 and above

Naval Science (NAVY): all numbered 300 and above

Nursing (NURS): all numbered 300 and above and others with advisor approval

Pharmacy: all numbered 300 and above

Philosophy (PHIL): all numbered 300 and above

Physics (PHYS): all numbered 200 and above

Political Science (POLI): all numbered 300 and above

Portuguese (PORT): all numbered 300 and above

Psychology (PSYC): all numbered 300 and above

Religious Studies (RELG): all numbered 300 and above

Retailing (RETL): all numbered 300 and above

Russian (RUSS): all numbered 300 and above

SC Honors College (SCHC): pending advisor approval

Social Work (SOWK): all numbered 300 and above

Sociology (SOCY): all numbered 300 and above

Southern Studies (SOST): all numbered 300 and above

Spanish (SPAN): all numbered 300 and above

Speech (SPCH): all numbered 300 and above

Sport and Entertainment Management (SPTE): all numbered 300 and above

Statistics (STAT): all numbered 300 and above

Theatre (THEA): all numbered 300 and above

Women's and Gender Studies (WGST): all numbered 300 and above

COLLEGE OF INFORMATION AND COMMUNICATIONS

Tom Reichert, Ph.D., *Dean*

Shirley Staples Carter, Ph.D., *Associate Dean for Diversity, Equity, and Inclusion*

Brooke McKeever, Ph.D., *Associate Dean of Research*

Kim M. Thompson, Ph.D., *Associate Dean for Academic Affairs*

Karen Gavigan, Ph.D., *Interim Director, School of Information Science*

Andrea Hickerson, Ph.D., *Associate Dean and Director, School of Journalism and Mass Communications*

Rushondra James, MSW, *Assistant Dean for Student Services*

Rachel Rolli, *Assistant to the Dean*

Overview

The challenge of 21st-century communications is to combine the information gathering function-research and data bases-with the disciplines of disseminating information-journalism, advertising, public relations, visual communications, and mass communications.

The college's School of Journalism and Mass Communications is professionally oriented and grounded strongly in the liberal arts. It offers instruction at the undergraduate and graduate levels. Course work is offered in electronic and print journalism, advertising, public relations, visual communications, and mass communications to train students in both the processes and effects of mass communication.

The School of Library and Information Science offers a bachelor's degree in information science and graduate-level programs that support the development of library and information services as an essential element of cultural enrichment. It provides a professional education for students entering into libraries and information centers in colleges, schools, communities, industries, and businesses.

Together, the schools will also develop a core research base for examining the practices of communications and the teaching of these disciplines. Both schools have long had admirable records of placing their graduates in newsrooms, advertising agencies, libraries, and academic institutions in and beyond South Carolina.

Schools

- School of Journalism and Mass Communications (p. 456)
- School of Information Science (p. 480)

School of Journalism and Mass Communications

Department Website (https://sc.edu/study/colleges_schools/cic/journalism_and_mass_communications/#XJFSyShKhaQ)

Tom Reichert, Ph.D., *Dean*

Andrea Hickerson, Ph.D., *Associate Dean and Director, School of Journalism and Mass Communications*

Linwan Wu, Ph.D., *Advertising Sequence Head*

Michelle LaRoche, M.A., *Journalism Sequence Head*

Kenneth Campbell, Ph.D., *Mass Communications Sequence Head*

Kelly Davis, M.M.C., APR, *Public Relations Sequence Head*

Tara Mortensen, Ph.D., *Visual Communications Sequence Head*

Mary Anne Fitzpatrick, Ph.D., *Director of Graduate Studies*

The School of Journalism and Mass Communications bridges practice and research, preparing the next generation of mass communication practitioners and scholars to communicate clearly, concisely, creatively and with integrity - ultimately advancing the communications professions in a democratic society.

As a professional school grounded strongly in the liberal arts, the School of Journalism and Mass Communications emphasizes the value of a broad educational foundation as well as proficiency in mass communication skills. The school is accredited by the Accrediting Council on Education in Journalism and Mass Communications and offers instructional programs at the undergraduate and graduate levels.

Both the undergraduate and graduate programs provide a myriad of experiences for students, no matter which area of journalism and mass communication education interests them. The school's curricula, at the undergraduate and graduate levels, are carefully tailored to prepare students for an increasingly multinational and multicultural multimedia work environment.

Progression Requirements

Each student within the school is expected to make orderly progress toward a baccalaureate degree. To facilitate this, the school's undergraduate program is divided into upper and lower divisions.

1. Lower-division students are those who have earned fewer than 60 semester hours toward the degree or who do not meet admission requirements to the upper division. Lower-division students may not enroll in upper-division journalism courses, which include all 500-level courses.
2. Admission to the upper division is based upon a minimum 2.50 cumulative USC GPA; completion of JOUR 101 and JOUR 291 with grades of C or higher; completion of 60 or more semester hours toward the degree; completion of foreign language requirement; selection of a particular program of study within the college; and selection and approval of a minor.
3. Entrance into 300+ level upper-division skills courses in broadcast journalism and journalism is competitive and is not guaranteed. Students can declare a major at any time. However, they must formally apply for admission into broadcast journalism and journalism upper-division skills courses. Typically, students are encouraged to apply the semester they are enrolled in JOUR 291. Applications are due October 1 (for spring admission) and March 1 (for fall admission).

Applications will NOT be accepted after established deadlines. Admission is based on strength of the student's letter of interest and USC GPA. Students may also be asked to interview with a selection committee (members of which are selected by the journalism sequence chair). Students who do not meet established requirements may reapply the following semester. Students accepted into 300+ level upper-division skills courses in broadcast journalism and journalism are assigned a specific semester in which they will begin this course work. Students are expected to proceed through these courses in consecutive semesters, beginning with JOUR 361.

4. All students must maintain a minimum 2.50 GPA in USC courses in order to maintain good standing in the school. Grades will be reviewed at the end of each semester. Students who have less than a 2.50 GPA in USC work are not in good standing and will be placed

on probation within the school. Students will be permitted to remain in the school while on probation for only one semester, after which the student will be administratively removed from the school if their cumulative USC GPA is less than a 2.50. With the exception of upper-division courses, students may continue to take course work toward their degree if seats are available.

5. All majors within the school will be expected to pass all journalism and mass communications courses used toward the degree with a minimum grade of C.
6. No journalism and mass communications course may be repeated more than once by any student unless formally approved by the school petition committee.

Second Degree

Students from other USC colleges who expect to obtain a second baccalaureate degree from the School of Journalism and Mass Communications must meet regular admission and progression requirements of the school, must be assigned a journalism advisor, and must formally apply to and be accepted by the school not later than the next-to-the-last semester in which the student expects to receive the journalism degree.

Classes

In all journalism and mass communications classes, enrollment priority will be given to journalism and mass communications majors who are in good academic standing in the school.

Suspension

All students within the school are subject to the University suspension rules as stated in the bulletin. Students whose UofSC GPA is less than 2.50 at the time of their suspension, may petition to be readmitted on a probationary status with conditions of probation determined by the director of the school.

Graduation

All students admitted to the School of Journalism and Mass Communications as of August 19, 2004, and thereafter, must have a minimum 2.50 GPA on all UofSC and cumulative work attempted, in addition to meeting all academic degree requirements, in order to obtain a degree from the college.

Programs and Courses

The School of Journalism and Mass Communications offers six programs of study.

All programs of study are accredited by the Accrediting Council on Education for Journalism and Mass Communications. The degree offered by the school is the Bachelor of Arts in Journalism and Mass Communications.

Programs

- Advertising and Public Relations Minor (p. 463)
- Advertising, B.A.J.M.C. (p. 463)
- Broadcast Journalism, B.A.J.M.C. (p. 466)
- Journalism, B.A.J.M.C. (p. 468)
- Mass Communications Minor (p. 471)
- Mass Communications, B.A.J.M.C. (p. 471)
- Public Relations, B.A.J.M.C. (p. 474)

- Social Media and Mass Communications Minor (<https://academicbulletins.sc.edu/undergraduate/information-communications/journalism-mass-communications/social-media-mass-communications-minor/>)
- Sports Media Minor (<https://academicbulletins.sc.edu/undergraduate/information-communications/journalism-mass-communications/sports-media-minor/>)
- Visual Communications, B.A.J.M.C. (p. 477)

Courses

JOUR 101 - Media and Society (3 Credits)

Principles, history, philosophies, theories of the mass media and allied professions and their societal role and impact.

JOUR 201 - Principles of Public Relations (3 Credits)

Methods used by business, government, consumer groups, minorities, environmentalists, and others to influence public attitudes toward their activities.

JOUR 202 - Principles of Advertising and Brand Communications (3 Credits)

An introduction to the advertising and strategic communications industries. Discussion of the structure and history of the business, social impacts and regulation, research, planning, creative, media planning, sales promotion, event promotion and the integrated nature of all promotional communication.

JOUR 203 - Principles of Visual Communications (3 Credits)

Theory and history of visual communication in the mass media emphasizing informational and persuasive messages created by graphic, photographic, and multimedia processes.

JOUR 204 - Principles of Journalism (3 Credits)

Principles and foundations of journalism to reflect both how journalism serves communities and how its techniques are developed to effectively communicate to audiences.

JOUR 205 - History and Philosophy of the Mass Media (3 Credits)

Development of the mass media in the United States from colonial times to the present. The effects of American social, cultural, political, and economic theory on the media.

JOUR 215 - Special Topics in Mass Communications (3 Credits)

Readings, critical review, discussion and analysis addressing significant issues in mass communications. Topics may change from term to term. May be repeated for credit with different course topics.

JOUR 220 - Account Planning: Mining Insights (3 Credits)

Topics include data mining from secondary sources, and use of primary research tools such as surveys, focus groups, ethnography and projective techniques.

Prerequisites: JOUR 101 and STAT 201 or equivalent.

Graduation with Leadership Distinction: GLD: Research

JOUR 243 - Sports Activism and Media (3 Credits)

Analysis of prominent sports activism cases and exploration of issues of access, economics, race, religion, gender, culture and nationality, through the lens of media coverage.

JOUR 244 - Special Topics in Sports Media (3 Credits)

Topics addressing issues in the world of the sports media. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 245 - Live Television Sports Production (3 Credits)

This course is designed to introduce students to all aspects of live television production of various venue sporting events. Through readings, lectures and hands-on experience, students will learn how major broadcast networks produce live sports events.

JOUR 261 - Journalism Trends (3 Credits)

Study and analysis of current and emerging issues in journalism philosophy and practice and how audiences perceive it. Emphases may change as practices evolve and issues emerge.

JOUR 285 - Social Media and Society (3 Credits)

Analysis of major social media sites and the role they play in informative and persuasive communications. Review of key platforms, what makes them successful as well as concerns about their impact and misuse.

JOUR 291 - Writing for Mass Communications (3 Credits)

Basic writing skills for all areas of the mass media. Lecture-laboratory.

JOUR 303 - Law and Ethics of Mass Communications (3 Credits)

Examination of First Amendment free speech and press guarantees and limitations, including commercial speech regulation, libel, privacy, copyright, trademark and open records and meetings, and related ethical principles for mass communications professionals.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 304 - Internet and Social Media Law (3 Credits)

Examination of the origins and history of First Amendment and related law and ethics, with an emphasis on how they apply to the Internet and social media.

JOUR 306 - Theories of Mass Communications (3 Credits)

Survey of predominate theories in mass communications including mass media uses, functions, and effects.

Prerequisites: JOUR 201.

JOUR 307 - Media, Sports and Race (3 Credits)

Exploration of the intersection of American media, sports and race.

JOUR 308 - Media and Youth (3 Credits)

An introduction to media uses and effects research, considering cognitive, affective, and social development as a framework for analyzing media effects on youth.

JOUR 309 - Hip Hop, Media and Society (3 Credits)

Hip-hop culture as a contemporary youth subculture, a historically African American aesthetic, a vehicle for mainstream media products and its impact on the innovation economy.

JOUR 311 - Minorities, Women, and the Mass Media (3 Credits)

The study of the relationship among persons of color, women, and the mass media in the United States.

Cross-listed course: WGST 311

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 316 - Toolkit for Concept Development (3 Credits)

Students will learn the theories and methods of applying consumer and brand insights to creative briefs and concepts.

Prerequisites: C or better in JOUR 202 and JOUR 291.

JOUR 317 - Toolkit for Brand Communication: Creative Execution (3 Credits)

Use of art direction and copywriting to create advertising and brand communication across a variety of media types using industry relevant software.

Prerequisites: C or better in JOUR 202 and JOUR 291.

JOUR 329 - A Focused Look at Brand Communications (1 Credit)

Topics in advertising and strategic communications. Individual topics and prerequisites to be announced with title.

JOUR 330 - Advertising and Brand Communications Speakers Series (1 Credit)

Advertising and brand communications industry experts share insights about industry trends, innovative campaigns and careers.

Prerequisites: JOUR 101.

JOUR 331 - Social Media Marketing Strategy (3 Credits)

Instruction on how to align social media with business objectives and overall communication strategies; and exploration of how organizations have incorporated social media into various departmental functions.

Prerequisites: C or better in all of the following JOUR 291; JOUR 201 or JOUR 202.

JOUR 332 - Mass Communications Research (3 Credits)

Fundamentals of mass communications research methods and applications. Survey, observational and experimental research; primary research data-gathering techniques; secondary research sources; data analysis; message, market, competitive and audience research measures.

Prerequisites: JOUR 201 and a course in basic statistics.

JOUR 333 - Public Relations for Nonprofit Organizations (3 Credits)

Theory and practice of developing public relations strategies and messaging for nonprofit organizations with a focus on audience research, donor relations, membership recruitment and fund raising.

Prerequisites: JOUR 291.

Graduation with Leadership Distinction: GLD: Community Service

JOUR 340 - Special Topics in Public Relations (3 Credits)

Special topics course addressing current issues, problems, and/or trends in public relations. Topics may change from term to term. May be repeated for credit with different course topics.

JOUR 343 - Social Media for Sports Media (3 Credits)

Effective social media use in the world of the sports media.

Topics relating to advertising, journalism, public relations, visual communications, and mass communications will be discussed. Provides contextual background on various social media and uses exercises to develop best practices.

JOUR 345 - Gender, Sexuality, and Sports Media (3 Credits)

How the sports media culture helps create and maintain, as well as challenge, inequalities based on gender and sexual identity. Students will learn how gender and sexuality are constructed through sports media and how they intersect with race, class, able-bodiedness and nationality.

JOUR 346 - Graphics for Visual Communications (3 Credits)

The personal computer and software related to the design and production of graphic and photographic images for print and onscreen media.

Prerequisites: JOUR 203.

JOUR 347 - Photography for Visual Communications (3 Credits)

Introductory photography that includes digital SLR camera use, multiple lenses, lighting, editing and distribution for web and display. Emphasis is on storytelling images for publication in editorial and persuasive media.

Prerequisites: C or better in JOUR 203.

JOUR 348 - Creative Thinking and Problem Solving (3 Credits)

This course introduces the fundamental principles of creative behavior. Theoretical and practical methods of problem-solving as well as discovery, evaluation, and implementation of new ideas.

JOUR 361 - Introductory Reporting and Writing (2 Credits)

Basics of news reporting: Story generation, critical thinking, story development, writing, shooting and editing broadcast stories, writing Web stories, using visual components of still pictures, graphics and video.

Prerequisites: C or better in JOUR 291.

Corequisite: JOUR 361L.

JOUR 361L - Introductory Reporting and Writing Lab (1 Credit)

Basics of news reporting: Story generation, critical thinking, story development, writing, shooting and editing broadcast stories, writing Web stories, using visual components of still pictures, graphics and video.

Prerequisites: JOUR 291.

Corequisite: JOUR 361.

JOUR 362 - Editing (3 Credits)

Skills and techniques required in preparing stories for publication. Laboratory work includes editing various kinds of copy and writing headlines.

Prerequisites: JOUR 291.

JOUR 371 - Social Media and Mobile Journalism (3 Credits)

This course provides an introduction on how to use online social platforms and mobile tools following journalistic editorial guidelines. Students will get an overview of the digital-first mindset that informs and enriches their professional preparation.

Prerequisites: C or better in JOUR 204 and JOUR 291.

JOUR 382 - Business Basics for Communications (3 Credits)

Students will gain a fundamental understanding of business and how write about it. Students will learn how various aspects of business, finance and the economy relate to individuals, communities, companies, governments and world events and how to communicate that impact.

JOUR 384 - Professional Perspectives in Business Communications (1 Credit)

These classes focus on specific areas of business communications to either deepen students' understanding of the subject or improve their ability with a particular skill (reporting, writing, editing, videography, social media, etc.). These topics may change from term to term.

Prerequisites: C or better in JOUR 382.

JOUR 385 - Social Media Planning (3 Credits)

An introduction to social media planning and digital media analytic skills, includes survey and analysis of content and strategies based on social media insights.

JOUR 391 - Sports Media and Society (3 Credits)

History of sports media and an analysis of current relationships between the sports industry, athletes, media, social media and the audience.

JOUR 392 - Podcasting and Audio Production (3 Credits)

This course is designed to teach you the fundamentals of audio storytelling, from conception and field gathering skills to writing for the ear and basic non-linear audio production. You will learn to distinguish the ways audio stories differ from those in print, and produce different types of media projects.

Prerequisites: JOUR 291.

JOUR 393 - Digital Signage (3 Credits)

This class introduces you to what is rapidly becoming the "fifth screen" digital signage, its place in modern communications, some of the issues surrounding it and how to create and evaluate content for it. Students will evaluate the SJMC digital sign system and may create content for it.

Prerequisites: JOUR 291.

JOUR 398 - Diversity Topics in Mass Media (3 Credits)

Topics addressing the intersection of race, gender, sexual orientation, or other forms of diversity or marginality and mass media. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 399 - Special Topics (3 Credits)

Topics in journalism and mass communications. Individual topics and prerequisites to be announced. Some topics may have prerequisites; check with student services or the syllabus for the section you are interested in.

JOUR 400 - Digital Media and Big Data Analysis (3 Credits)

Understanding digital media concepts including AI, blockchain, net neutrality, big data, privacy, and network analysis.

JOUR 416 - Creative: Strategy to Execution (3 Credits)

Principles and practices of developing creative and effective brand communications and to acquire proficiency in execution of brand communications.

Prerequisites: C or better in JOUR 220, JOUR 316 and JOUR 317.

JOUR 419 - Special Topics in Advertising (3 Credits)

Topics addressing contemporary issues in advertising and brand communications. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 421 - Media Analysis (3 Credits)

Research and development of a media plan using integrated communications approach and simulation models.

Prerequisites: JOUR 202.

Graduation with Leadership Distinction: GLD: Research

JOUR 428 - Super Bowl Commercials (3 Credits)

An exploration of how Super Bowl commercials reflect and influence our society. Topics include the way different groups are portrayed, the strategy behind the commercials, and how creative tactics have evolved.

JOUR 436 - Public Relations Writing (3 Credits)

Special areas of writing for public relations.

Prerequisites: JOUR 201 and JOUR 291.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 437 - Advanced Public Relations Writing (3 Credits)

An applied writing skills laboratory that will review and create advanced types of public relations writing and study applicable theory, models and research methods.

Prerequisites: JOUR 101, JOUR 201, JOUR 291 and JOUR 436.

JOUR 438 - Media Relations (3 Credits)

Planning and writing skills to effectively execute media relations, including how to research reporters and outlets, build a media relations plan, create messaging platforms, identify and prepare spokespeople, manage crisis communications and employ social media.

Prerequisites: JOUR 436.

JOUR 440 - Leadership and Internal Relations Management (3 Credits)

Leadership and communication inside an organization as a component of public relations management; strategy, change management, ethics, employees from executive to labor, and organizational theory applied to engage internal stakeholders.

Prerequisites: C or better in JOUR 201.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 443 - Sports Announcing (3 Credits)

This course is designed to introduce students to various aspects of live sports broadcasting. Students will learn skills and techniques that will prepare them to perform live on-air duties including game play-by-play and color analyst.

Prerequisites: C or better in JOUR 291.

JOUR 444 - Multimedia Sports Storytelling (3 Credits)

Crafting longform sports media stories through course-long projects and in-class exercises that sharpen storytelling skills and techniques.

JOUR 446 - Informational Graphics (3 Credits)

Visual presentation of quantitative and spatial information. Examines the planning, design, and preparation of statistical graphs, charts, timelines, diagrams, and maps.

Prerequisites: JOUR 203, JOUR 346 and STAT 110.

JOUR 447 - Video for Visual Communications (3 Credits)

Theory, skills, and techniques to create high-quality videos and multimedia for use in a variety of media applications, including editorial assignments, informational messages and persuasive communications. Emphasis on one-person producer with minimal equipment telling stories for non-traditional media.

Prerequisites: C or better in JOUR 347.

JOUR 448 - Multimedia for Visual Communications (3 Credits)

Team-based multimedia storytelling with an emphasis on studio and location lighting to produce professional-level photography projects and short videos for use in a variety of applications, including editorial assignments and persuasive communications.

Prerequisites: C or better in JOUR 347 and JOUR 447.

JOUR 449 - Design of Online Content (3 Credits)

Introduction to the skills and processes involved in the design and display of online content such as interactive graphics, animation, and video. Considerations for designing and delivering content on a variety of platforms from personal computers to mobile devices.

Prerequisites: JOUR 346.

JOUR 450 - Studio and Location Lighting for Still Photography (3 Credits)

Still photography lighting techniques for mass media applications. Emphasis on studio and on-location lighting of portraits, fashion, illustrations, food and product photography.

Prerequisites: JOUR 347.

JOUR 451 - Freelancing for Creative Professionals (3 Credits)

The theory and practice of entrepreneurship as they apply to creative professionals interested in starting their own freelance business.

JOUR 452 - Photojournalism (3 Credits)

Immersive course in long-form photojournalism storytelling. Students will spend the semester documenting a topic, with emphasis on gathering images with high technical level and compelling content. Class will edit content and create a presentation for the public compelling content.

Prerequisites: C or better in JOUR 347.

JOUR 455 - Special Topics in Visual Communications (3 Credits)

Introduction to issues surrounding the history, theory, skills and techniques of developing and niche visual communications technologies, topics, skills and concepts. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 461 - Sports Journalism (3 Credits)

This course introduces students to the core principles, values, and best practices that guide the work of professional sports journalists. Students will develop skills that are necessary to function as sports journalists in today's media environment.

Prerequisites: C or better in JOUR 291.

JOUR 471 - Intermediate Reporting and Production (3 Credits)

Continuing development of students' ability to identify, gather, write, edit and present news, responsibly and ethically, across a range of formats, alone and in teams.

Prerequisites: JOUR 204, JOUR 303, JOUR 361.

Graduation with Leadership Distinction: GLD: Research

JOUR 472 - Power Producing (3 Credits)

Examines the art and skill of television news producing, providing students the opportunity to learn about the production process in a real-world, hands-on environment.

Prerequisites: C or better in JOUR 361.

JOUR 475 - Special Topics in Nonfiction Storytelling with Emerging Technologies (3 Credits)

Students produce in-depth journalism projects using a range of storytelling tools and technologies, such as: websites, interactive graphics/maps, HD- and 360-video, drones, AR/VR technology, and podcasting. May be repeated for credit with different topics.

Prerequisites: C or better in JOUR 361 or JOUR 447.

Graduation with Leadership Distinction: GLD: Research

JOUR 480 - Media Management (3 Credits)

This course provides an introduction to and overview of issues and practices in media management. You will steep yourself in and become conversant about economic, industrial and societal forces that influence modern media content curation, production and distribution.

JOUR 482 - Business Reporting and Writing (3 Credits)

This course is designed to build on your basic knowledge of various aspects of business and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.

Prerequisites: C or better in JOUR 382.

JOUR 483 - Reporting and Writing About the Economy (3 Credits)

This course is designed to build on your basic knowledge of various aspects of the economy and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.

JOUR 491 - Communication and Information Transfer (3 Credits)

An overview of the communication models, major concepts, trends, and other related issues of information transfer with a focus on information seeking and use in digital age.

Prerequisites: JOUR 101 or SLIS 201.

JOUR 499 - Special Topics (3 Credits)

Topics in journalism and mass communications. Individual topics will vary by title. Prerequisites to be announced in class schedule.

Graduation with Leadership Distinction: GLD: Research

JOUR 501 - Freedom, Responsibility, and Ethics of the Mass Media (3 Credits)

Historical development of freedom, responsibility, and ethics in the mass media, including communication theories, pressures, ownership.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 504 - International Mass Communications (3 Credits)

A comparative study of world mass communications media, with particular attention to press systems, the sources and flow of international news, and the problems and implications of world communications.

JOUR 506 - Mass Media Criticism (3 Credits)

Development of critical thinking skills for analyzing mass media.

Prerequisites: JOUR 101.

JOUR 507 - Health Communication: The Science and Practice (3 Credits)

Explores the role of journalism in shaping perceptions of scientific issues and task. Emphasis on methods of effectively communicating about science, health, and the environment.

JOUR 508 - Faith, Values, and the Mass Media (3 Credits)

Faith and values influence the media. An examination of the influence, why it happens, and of religious diversity and the increased public presence of religions, including Hinduism and Islam.

Prerequisites: JOUR 291 and junior or senior standing or consent of instructor

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

JOUR 509 - Environmental Communication: The Science and Practice (3 Credits)

The role of journalism in shaping perceptions of environmental and scientific issues and tasks. Emphasis on methods of effectively communicating about science and the environment.

JOUR 515 - Mass Communications Capstone Portfolio (3 Credits)

Development of Mass Communications E-portfolio showcasing and reflecting on coursework and experiential learning, with a focus on leadership, as preparation for matriculation in higher education or careers in mass media.

Prerequisites: C or better in JOUR 501, JOUR 506, or JOUR 542.

JOUR 516 - Advanced Creative (3 Credits)

Development of writing styles for print and broadcast advertising.

Prerequisites: JOUR 416.

JOUR 517 - Integrated Campaigns (3 Credits)

The development of a complete, well coordinated integrated communications plan that incorporates research and analysis techniques, critical thinking, team work, creative and tactical skills.

Prerequisites: JOUR 416 and JOUR 421.

Graduation with Leadership Distinction: GLD: Research

JOUR 518 - Brand Communications Practicum/Competitions (3 Credits)

Application of advertising techniques and skills in preparation of full scale campaign.

Prerequisites: JOUR 332, JOUR 416, JOUR 421.

JOUR 521 - Interactive Communication Strategies (3 Credits)

The development of a complete, well-coordinated integrated communications plan that incorporates research and analysis techniques, critical thinking, team work, creative and tactical skills.

JOUR 527 - Advertising Management (3 Credits)

The dynamics of leadership and management in the creative industries.

Prerequisites: JOUR 202.

JOUR 530 - Creative Leadership (3 Credits)

Theories of leadership as applied to creative industries. Students will engage and interact with community-based organizations to assess needs, plan communications strategies, lead student teams in developing those ideas, and present to clients. Junior standing or permission of instructor.

JOUR 531 - Public Relations Campaigns (3 Credits)

Development of public relations campaigns for business and social institutions. Case studies of public relations campaigns and programs.

Prerequisites: JOUR 201, JOUR 332, JOUR 436.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

JOUR 533 - Public Relations Management (3 Credits)

Researching, programming, staff, budgeting, and planning public-relations programs by business, government, or consulting firms.

Prerequisites: JOUR 201, JOUR 436.

JOUR 534 - Publication Writing and Design (3 Credits)

Publication writing and design as well as internal or constituent communications, specifically focused on an internal audience. Production of InterCom, the College of Mass Communications and Information Studies' alumni magazine.

Prerequisites: JOUR 291.

JOUR 536 - Crisis Communications (3 Credits)

Introduction to crisis communications and management from a strategic, theory-based approach using research from historical and current case studies.

Prerequisites: C or better in JOUR 436.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 537 - The Carolina Agency (3 Credits)

Participation in a functioning communications agency working for actual clients in a student-directed environment. Opportunity to both lead and be a part of a team servicing the communication needs of various clients.

Prerequisites: JOUR 101; JOUR 201; JOUR 203 or JOUR 202; and JOUR 291.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 538 - The Bateman Team (3 Credits)

Self-directed development and implementation of a public relations campaign as part of a national competition: PRSSA's Bateman Competition.

Prerequisites: JOUR 332 and JOUR 436.

JOUR 539 - Ethics in Public Relations and Public Policy (3 Credits)

Review of the analytical process of resolving complex ethical issues and cases in public relations; study of the philosophical approaches to communication ethics.

Prerequisites: JOUR 101.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 542 - Public Opinion and Persuasion (3 Credits)

Theory and practice of persuasive communication and the role of persuasion in shaping public opinion.

JOUR 550 - Advanced Magazine Article Writing (3 Credits)

Writing techniques used in the preparation and marketing of major nonfiction articles for national, regional, and local publications.

Prerequisites: JOUR 566.

JOUR 553 - Motion-Based Graphics for Visual Communications (3 Credits)

Graphic and motion-based principles and techniques for visual communications within multimedia structures.

Prerequisites: C or better in JOUR 346.

JOUR 560 - Capstone Portfolio Development (3 Credits)

Advanced techniques of graphic and multimedia design and their application to problem-solving situations in the mass media. Emphasis on portfolio development.

Prerequisites: JOUR 446, JOUR 447, JOUR 449.

JOUR 563 - Public/Civic Journalism (3 Credits)

To gain an understanding of theory and practice of public/civic journalism, seen by its advocates as socially responsible journalism that attempts to build civic participation and empower communities.

JOUR 566 - Magazine Article Writing (3 Credits)

Researching, organizing, writing, and marketing articles for publication in general and specialized publications.

Prerequisites: JOUR 361 or JOUR 436.

JOUR 573 - Editorial and Opinion Writing (3 Credits)

Content and style; writing of editorials, analyses, and commentaries.

Prerequisites: JOUR 291.

JOUR 574 - Data Journalism (3 Credits)

Acquiring, analyzing and presenting data using spreadsheets and other tools to uncover stories and provide depth and context to journalism.

Prerequisites: C or better in JOUR 291.

JOUR 575 - Broadcast Journalism Practicum (3 Credits)

Production of public affairs programs.

Prerequisites: JOUR 326, JOUR 333, and JOUR 434.

Corequisite: JOUR 502, JOUR 503, and JOUR 526.

JOUR 576 - Reporting Public Affairs (3 Credits)

Concentrated analyses of reporting in special fields, particularly in the South, including coverage of government, business, labor, the arts and sciences.

Prerequisites: JOUR 361.

JOUR 579 - Broadcast Announcing (3 Credits)

Theory and practice of professional broadcast announcing. Lecture-demonstration-laboratory course in principles underlying professional performance before microphones and cameras and the various broadcast performance functions.

Prerequisites: JOUR 325.

JOUR 580 - Advanced Reporting Topics (3 Credits)

Study and application of highly specialized reporting on topics related to current public discourse. May be repeated as content varies by title.

Corequisite: JOUR 587, JOUR 589, and JOUR 590 or JOUR 586, JOUR 588 and JOUR 590.

JOUR 586 - Capstone I - Advanced Reporting - Broadcast and Online Journalism (3 Credits)

Professional practice in meeting daily newscast deadlines through work on the Carolina News television newscast. Focus on polished reporting, performance and production techniques and demonstration of advanced television reporting skills under deadline pressure.

Prerequisites: JOUR 471.

Corequisite: JOUR 588 and JOUR 590.

Graduation with Leadership Distinction: GLD: Research

JOUR 587 - Capstone I - Advanced Reporting - Multimedia Journalism (3 Credits)

Professional practice in shaping journalistic reporting to the multimedia environment. Application of news gathering, synthesizing and reporting across platforms – print and online, textual and graphic – in timely fashion.

Prerequisites: JOUR 471.

Corequisite: JOUR 589 and JOUR 590.

JOUR 588 - Capstone II - Advanced Broadcast and Online Journalism Production (3 Credits)

Advanced newscast production skills developed in the context of producing daily Carolina News broadcast. Shape and coordinate reporting and production team under deadline pressure in newsroom setting.

Prerequisites: JOUR 471.

Corequisite: JOUR 586 and JOUR 590.

JOUR 589 - Capstone II - Advanced Multimedia Journalism Production (3 Credits)

Editing and design employed to maximize effectiveness in the multimedia environment. Creating accurate and engaging content to reach consumers in varied ways reflecting contemporary consumer use of media.

Prerequisites: JOUR 471.

Corequisite: JOUR 587 and JOUR 590.

JOUR 590 - Capstone III - Digital Journalism (3 Credits)

Exposure to the evolving variety of journalism techniques, software programs and equipment to effectively tell compelling stories and convey information in multiple visual and interactive forms. Emphasis on extending professional skills while reinforcing current best practices.

Prerequisites: JOUR 471.

Corequisite: JOUR 586 and JOUR 588 or both JOUR 587 and JOUR 589.

JOUR 591 - The Carolina Agency Management Training (3 Credits)

Advanced instruction on how to assume leadership roles in a real life agency setting through tactical planning updates, interdepartmental management, budgeting, and client reviews.

Prerequisites: C or better in JOUR 537.

JOUR 595 - Domestic Study Away in Journalism and Mass Communications (3 Credits)

Domestic study away course will focus on topics in journalism and mass communications and will be taught away from the University of South Carolina Columbia campus. Individual topics will vary by title. Prerequisites to be announced in class schedule.

JOUR 596 - Study Abroad in Journalism and Mass Communications (3 Credits)

Study abroad course will focus on topics in journalism and mass communications and will be taught as a study abroad experience. Individual topics will vary by title. Prerequisites to be announced in class schedule.

JOUR 597 - Internship in Mass Communications (1-3 Credits)

Supervised professional experience. Maximum of three hours credit. Contract approved by instructor, advisor, and department head is required.

Prerequisites: consent of Sequence Chair and Dean's Office prior to registration.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

JOUR 598 - Directed Independent Studies (1-6 Credits)

Individual mass media projects. Contract approved by instructor, advisor, and department head is required for undergraduate students.

JOUR 599 - Advanced Special Topics (3 Credits)

Advanced topics in journalism and mass communications. Individual topics and prerequisites to be announced by title in class schedule.

Advertising and Public Relations Minor

Please note that the Advertising and Public Relations minor is not available to students with majors in the School of Journalism and Mass Communications.

Students minoring in advertising and public relations will receive a solid background in the principles of advertising and public relations. The directed elective provides an opportunity to customize each minor.

Minor Requirements

Course	Title	Credits
Required Courses		
JOUR 101	Media and Society	3
JOUR 201	Principles of Public Relations	3

JOUR 202	Principles of Advertising and Brand Communications	3
Electives		
Select nine hours of any JOUR elective courses		9
Total Credit Hours		18

Advertising, B.A.J.M.C.

Learning Outcomes

1. Students graduating from the Advertising, B.A.J.M.C. program will be able to ...
2. Demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
3. Demonstrate the ability to think critically, creatively and independently evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.
4. Demonstrate an understanding the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
5. Demonstrate an understanding of the ethical concepts, legal implications, considerations and practices that guide the mass media professions.
6. Demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
7. Apply basic numerical and statistical concepts and methods appropriate for the communications professions.

Admissions

Entrance Requirements

Freshman Students

In order to be admitted to a program of study in the School of Journalism and Mass Communications, freshmen must meet all University admission requirements. In order to continue in the program, each student must attain a minimum USC GPA of 2.50 upon completion of 30 degree-applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Completion of ENGL 101 and ENGL 102 with grades of C or higher are prerequisites for JOUR 291.

Degree Requirements (120 Hours)

See School of Journalism and Mass Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core Requirements	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145
- SPCH 230
- SPCH 260

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	

HIST 109 Introduction to Latin American Civilization

Total Credit Hours 3**Literature (3 hours)**

Course	Title	Credits
Select one of the following:		
ENGL 282	Special Topics in Fiction	3
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	

Total Credit Hours 3**Social Science (3 hours)**

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

- A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3

Total Credit Hours 6**3. Program Requirements (12-23 hours)****Minor or Cognate (12-18 hours)**

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may

not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

a minimum grade of C is required in all major courses

Major Courses (30 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 202	Principles of Advertising and Brand Communications	3
JOUR 220	Account Planning: Mining Insights	3
JOUR 291	Writing for Mass Communications	3
JOUR 303	Law and Ethics of Mass Communications	3
or JOUR 304	Internet and Social Media Law	
JOUR 316	Toolkit for Concept Development	3
JOUR 317	Toolkit for Brand Communication: Creative Execution	3
JOUR 416	Creative: Strategy to Execution	3
JOUR 421	Media Analysis	3
JOUR 517	Integrated Campaigns	3
Total Credit Hours		30

Major Electives (18 hours)

Course	Title	Credits
Select one JOUR concept/lecture course		
		3
Select two Directed Capstone electives of the following:		
JOUR 516	Advanced Creative	
JOUR 518	Brand Communications Practicum/Competitions	
JOUR 521	Interactive Communication Strategies	
JOUR 530	Creative Leadership	
JOUR 537	The Carolina Agency	
JOUR 538	The Bateman Team	
JOUR 597	Internship in Mass Communications	
Select 9 hours of additional Journalism electives		9
Total Credit Hours		18

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		
JOUR 243	Sports Activism and Media	9

JOUR 244	Special Topics in Sports Media
JOUR 245	Live Television Sports Production
JOUR 343	Social Media for Sports Media
JOUR 345	Gender, Sexuality, and Sports Media
JOUR 428	Super Bowl Commercials
JOUR 443	Sports Announcing
JOUR 444	Multimedia Sports Storytelling
JOUR 461	Sports Journalism
JOUR 499	Special Topics
JOUR 597	Internship in Mass Communications

Total Credit Hours **12**

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Advertising, B.A.J.M.C.

Advertising, B.A.J.M.C. Sports Media Concentration

Broadcast Journalism, B.A.J.M.C.

Learning Outcomes

1. Students graduating from the Journalism, B.A.J.M.C. program will be able to...
2. Demonstrate an understanding the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
3. Demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
4. Apply basic numerical and statistical concepts and methods appropriate for the communications professions.
5. Demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
6. Demonstrate the ability to think critically, creatively and independently evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.
7. Demonstrate an understanding of the ethical concepts, legal implications, considerations and practices that guide the mass media professions.

Admissions

Entrance Requirements

Freshman Students

In order to be admitted to a program of study in the School of Journalism and Mass Communications, freshmen must meet all University admission requirements. In order to continue in the program, each student must attain a minimum USC GPA of 2.50 upon completion of 30 degree-

applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Degree Requirements (120 hours)

See School of Journalism and Mass Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145
- SPCH 230
- SPCH 260

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	
HIST 109	Introduction to Latin American Civilization	
Total Credit Hours		3

Literature (3 hours)

Course	Title	Credits
Select one of the following:		
ENGL 282	Special Topics in Fiction	3
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	
Total Credit Hours		3

Social Science (3 hours)

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

- A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3
or MGMT 371	Principles of Management	
Total Credit Hours		6

3. Program Requirements (12-23 hours)

Minor or Cognate (12-18 hours)

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed

courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

A minimum grade of C is required in all major courses

Major Courses (27 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 204	Principles of Journalism	3
JOUR 291	Writing for Mass Communications	3
JOUR 303 or JOUR 304	Law and Ethics of Mass Communications Internet and Social Media Law	3
JOUR 361	Introductory Reporting and Writing	2
JOUR 361L	Introductory Reporting and Writing Lab	1
JOUR 471	Intermediate Reporting and Production	3
JOUR 586	Capstone I - Advanced Reporting - Broadcast and Online Journalism	3
JOUR 588	Capstone II - Advanced Broadcast and Online Journalism Production	3
JOUR 590	Capstone III - Digital Journalism	3
Total Credit Hours		27

Major Electives (21 hours)

- One advanced reporting directed elective corequisite with Capstone courses (3 hours)
- One professional practice directed elective: editing, reporting or management (3 hours)
- Two conceptual directed electives (6 hours)
- Additional Journalism Electives (9 hours)

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		9
JOUR 243	Sports Activism and Media	
JOUR 244	Special Topics in Sports Media	
JOUR 245	Live Television Sports Production	
JOUR 343	Social Media for Sports Media	
JOUR 345	Gender, Sexuality, and Sports Media	
JOUR 428	Super Bowl Commercials	
JOUR 443	Sports Announcing	
JOUR 444	Multimedia Sports Storytelling	
JOUR 461	Sports Journalism	
JOUR 499	Special Topics	
JOUR 597	Internship in Mass Communications	

Total Credit Hours **12**

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Broadcast Journalism, B.A.J.M.C.

Broadcast Journalism, B.A.J.M.C. Sports Media Concentration

Journalism, B.A.J.M.C.

Learning Outcomes

Students graduating from the Journalism, B.A.J.M.C. program will be able to...

- demonstrate an understanding the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
- demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
- apply basic numerical and statistical concepts and methods appropriate for the communications professions.
- demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
- demonstrate the ability to think critically, creatively and independently evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.

- demonstrate an understanding of the ethical concepts, legal implications, considerations and practices that guide the mass media professions.

Admissions

Entrance Requirements

Freshman Students

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A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Degree Requirements (120 hours)

See College of Information and Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145
- SPCH 230
- SPCH 260

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		3
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	
HIST 109	Introduction to Latin American Civilization	
Total Credit Hours		3

Literature (3 hours)

Course	Title	Credits
Select one of the following:		3
ENGL 282	Special Topics in Fiction	
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	
Total Credit Hours		3

Social Science (3 hours)

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3
or MGMT 371	Principles of Management	
Total Credit Hours		6

3. Program Requirements (12-23 hours) Minor or Cognate (12-18 hours)

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

A minimum grade of C is required in all major courses

Major Courses (27 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 204	Principles of Journalism	3
JOUR 291	Writing for Mass Communications	3
JOUR 303	Law and Ethics of Mass Communications	3
or JOUR 304	Internet and Social Media Law	
JOUR 361	Introductory Reporting and Writing	2
JOUR 361L	Introductory Reporting and Writing Lab	1
JOUR 471	Intermediate Reporting and Production	3

JOUR 587	Capstone I - Advanced Reporting - Multimedia Journalism	3
JOUR 589	Capstone II - Advanced Multimedia Journalism Production	3
JOUR 590	Capstone III - Digital Journalism	3
Total Credit Hours		27

Major Electives (21 hours)

- One advanced reporting directed elective corequisite with Capstone courses (3 hours)
- One professional practice directed elective: editing, reporting or management (3 hours)
- Two conceptual directed electives (6 hours)
- Additional Journalism Electives (9 hours)

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		9
JOUR 243	Sports Activism and Media	
JOUR 244	Special Topics in Sports Media	
JOUR 245	Live Television Sports Production	
JOUR 343	Social Media for Sports Media	
JOUR 345	Gender, Sexuality, and Sports Media	
JOUR 428	Super Bowl Commercials	
JOUR 443	Sports Announcing	
JOUR 444	Multimedia Sports Storytelling	
JOUR 461	Sports Journalism	
JOUR 499	Special Topics	
JOUR 597	Internship in Mass Communications	
Total Credit Hours		12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Journalism, B.A.J.M.C.

Journalism, B.A.J.M.C. Sports Media Concentration

Mass Communications Minor

Please note that the Mass Communications minor is not available to students with majors in the School of Journalism and Mass Communications.

A minor in Mass Communications is designed for students who wish to gain a broad understanding of the mass media and learn about the elements at work in the media today. Elective courses allow a student to

customize the experience by selecting courses across the journalism and mass communications curriculum.

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
JOUR 101	Media and Society	3
Principles Courses		
Select two of the following:		6
JOUR 201	Principles of Public Relations	
JOUR 202	Principles of Advertising and Brand Communications	
JOUR 203	Principles of Visual Communications	
JOUR 204	Principles of Journalism	
Electives		
Select any JOUR elective courses		9
Total Credit Hours		18

Mass Communications, B.A.J.M.C.

The challenge of 21st-century communications is to combine the information-gathering function-research and data bases-with the disciplines of disseminating information-journalism, advertising, public relations, visual communications, and mass communications.

The college's School of Journalism and Mass Communications is professionally oriented and grounded strongly in the liberal arts. It offers instruction at the undergraduate and graduate levels. Course work is offered in electronic and print journalism, advertising, public relations, visual communications, and mass communications to train students in both the processes and effects of mass communication.

Learning Outcomes

Students graduating from the Mass Communications, B.A.J.M.C. program will be able to...

- Demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
- Think critically, creatively and independently; evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.
- Understand the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
- Understand the ethical concepts, legal implications, considerations and practices that guide the mass media professions.
- Demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
- Apply basic numerical and statistical concepts and methods appropriate for the communications professions.

Admissions

Entrance Requirements

Freshman Students

In order to be admitted to a program of study in the School of Journalism and Mass Communications, freshmen must meet all University admission requirements. In order to continue in the program, each student must attain a minimum USC GPA of 2.50 upon completion of 30 degree-applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Completion of ENGL 101 and ENGL 102 with grades of **C** or higher are prerequisites for JOUR 291.

Degree Requirements (120 hours)

See School of Journalism and Mass Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145
- SPCH 230
- SPCH 260

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		3
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	
HIST 109	Introduction to Latin American Civilization	
Total Credit Hours		3

Literature (3 hours)

Course	Title	Credits
Select one of the following:		3
ENGL 282	Special Topics in Fiction	
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	
Total Credit Hours		3

Social Science (3 hours)

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3
or MGMT 371	Principles of Management	
Total Credit Hours		6

3. Program Requirements (12-23 hours)

Minor or Cognate (12-18 hours)

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

A minimum grade of C is required in all major courses

Major Courses (30 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 291	Writing for Mass Communications	3
JOUR 303	Law and Ethics of Mass Communications	3
or JOUR 304	Internet and Social Media Law	
Select three of the following:		9
JOUR 201	Principles of Public Relations	
JOUR 202	Principles of Advertising and Brand Communications	

JOUR 203	Principles of Visual Communications	
JOUR 204	Principles of Journalism	
Select three of the following:		9
JOUR 205	History and Philosophy of the Mass Media	
JOUR 306	Theories of Mass Communications	
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media	
JOUR 506	Mass Media Criticism	
JOUR 542	Public Opinion and Persuasion	
Capstone Portfolio Course		
JOUR 515	Mass Communications Capstone Portfolio	3
Total Credit Hours		30

Leadership with Distinction Pathway (6 hours)

Choose one of the University's Leadership with Distinction Pathways: Global Learning, Research, Civic Engagement, or Community Service.

Courses listed under each pathway are examples that address the pathway's learning outcomes. Except for the required courses identified, other relevant courses that address the pathway outcomes may be substituted per approval of advisor.

Global Learning (6 hours)

Course	Title	Credits
JOUR 504	International Mass Communications	3
Select one approved SJMC international elective		3
Total Credit Hours		6

Research (6 hours)

Course	Title	Credits
JOUR 332	Mass Communications Research	3
Select one approved SJMC research elective		3
Total Credit Hours		6

Professionals & Civic Engagement (6 hours)

Course	Title	Credits
Select two of the following approved Professional & Civic Engagement electives:		
JOUR 303	Law and Ethics of Mass Communications	
JOUR 436	Public Relations Writing	
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media	
JOUR 536	Crisis Communications	
JOUR 537	The Carolina Agency	
JOUR 539	Ethics in Public Relations and Public Policy	
Total Credit Hours		6

Community Service (6 hours)

- Two approved SJMC service learning or community engagement electives

Diversity and Social Advocacy (6 hours)

Course	Title	Credits
JOUR 311	Minorities, Women, and the Mass Media	3
Select one of the following approved SJMC Diversity and Social Advocacy electives:		3
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media	

JOUR 508	Faith, Values, and the Mass Media	
Total Credit Hours		6

Note: The major in Mass Communications aligns with Graduation with Leadership Distinction. Further information on Graduation with Leadership Distinction can be obtained through the Center for Integrative and Experiential Learning.

Major Electives (12 hours)

Four JOUR electives of the students' choice: at least 3 hours and no more than 6 hours must be from skills courses.

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		9
JOUR 243	Sports Activism and Media	
JOUR 244	Special Topics in Sports Media	
JOUR 245	Live Television Sports Production	
JOUR 343	Social Media for Sports Media	
JOUR 345	Gender, Sexuality, and Sports Media	
JOUR 428	Super Bowl Commercials	
JOUR 443	Sports Announcing	
JOUR 444	Multimedia Sports Storytelling	
JOUR 461	Sports Journalism	
JOUR 499	Special Topics	
JOUR 597	Internship in Mass Communications	
Total Credit Hours		12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Mass Communications, B.A.J.M.C.

Mass Communications, B.A.J.M.C. Sports Media Concentration

Public Relations, B.A.J.M.C.

Learning Outcomes

- Students graduating from the Public Relations, B.A.J.M.C. program will be able to...
- demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
- demonstrate the ability to think critically, creatively and independently evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.

- demonstrate an understanding the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
- demonstrate an understanding of the ethical concepts, legal implications, considerations and practices that guide the mass media professions.
- demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
- apply basic numerical and statistical concepts and methods appropriate for the communications professions.

Admissions

Entrance Requirements

Freshman Students

In order to be admitted to a program of study in the School of Journalism and Mass Communications, freshmen must meet all University admission requirements. In order to continue in the program, each student must attain a minimum USC GPA of 2.50 upon completion of 30 degree-applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Completion of ENGL 101 and ENGL 102 with grades of **C** or higher are prerequisites for JOUR 291.

Degree Requirements (120 hours)

See School of Journalism and Mass Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence,

the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145

- SPCH 230
- SPCH 260

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	
HIST 109	Introduction to Latin American Civilization	
Total Credit Hours		3

Literature (3 hours)

Course	Title	Credits
Select one of the following:		
ENGL 282	Special Topics in Fiction	3
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	
Total Credit Hours		3

Social Science (3 hours)

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal

Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3
or MGMT 371	Principles of Management	
Total Credit Hours		6

3. Program Requirements (12-23 hours)

Minor or Cognate (12-18 hours)

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

A minimum grade of C is required in all major courses

Major Courses (27 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 201	Principles of Public Relations	3
JOUR 203	Principles of Visual Communications	3
JOUR 291	Writing for Mass Communications	3
JOUR 303	Law and Ethics of Mass Communications	3

or JOUR 304	Internet and Social Media Law	
JOUR 332	Mass Communications Research	3
JOUR 436	Public Relations Writing	3
JOUR 531	Public Relations Campaigns	3
JOUR 533	Public Relations Management	3
Total Credit Hours		27

Major Electives (21 hours)

Course	Title	Credits
Three Public Relations Directed Electives		
Select two of the following writing courses:		6
JOUR 362	Editing	
JOUR 416	Creative: Strategy to Execution	
JOUR 437	Advanced Public Relations Writing	
JOUR 534	Publication Writing and Design	
JOUR 566	Magazine Article Writing	
Select one of the following work experience courses:		3
JOUR 518	Brand Communications Practicum/Competitions	
JOUR 537	The Carolina Agency	
JOUR 538	The Bateman Team	
JOUR 597	Internship in Mass Communications	
One JOUR Concept/Lecture Course		
Select one of the following:		3
JOUR 205	History and Philosophy of the Mass Media	
JOUR 306	Theories of Mass Communications	
JOUR 311	Minorities, Women, and the Mass Media	
JOUR 499	Special Topics	
JOUR 501	Freedom, Responsibility, and Ethics of the Mass Media	
JOUR 504	International Mass Communications	
JOUR 506	Mass Media Criticism	
JOUR 507	Health Communication: The Science and Practice	
JOUR 508	Faith, Values, and the Mass Media	
JOUR 539	Ethics in Public Relations and Public Policy	
JOUR 542	Public Opinion and Persuasion	
JOUR 599	Advanced Special Topics	
Additional Journalism Electives		
Select 9 hours		9
Total Credit Hours		21

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		9
JOUR 243	Sports Activism and Media	
JOUR 244	Special Topics in Sports Media	
JOUR 245	Live Television Sports Production	
JOUR 343	Social Media for Sports Media	
JOUR 345	Gender, Sexuality, and Sports Media	

JOUR 428	Super Bowl Commercials	
JOUR 443	Sports Announcing	
JOUR 444	Multimedia Sports Storytelling	
JOUR 461	Sports Journalism	
JOUR 499	Special Topics	
JOUR 597	Internship in Mass Communications	
Total Credit Hours		12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Public Relations, B.A.J.M.C.

Public Relations, B.A.J.M.C. Sports Media Concentration

Visual Communications, B.A.J.M.C.

Learning Outcomes

- Students graduating from the Visual Communications, B.A.J.M.C. program will be able to...
- demonstrate the ability to conduct research, gather information, write clearly and correctly and present relevant news or persuasive information at a professional level.
- demonstrate the ability to think critically, creatively and independently evaluate their own work and the work of others for accuracy, fairness, clarity, style and correctness.
- demonstrate an understanding the history of journalism and mass communications, the diversity of groups in a global society in relationship to communications and the role of journalism and mass communications in society.
- demonstrate an understanding of the ethical concepts, legal implications, considerations and practices that guide the mass media professions.
- demonstrate the ability to apply tools and technologies appropriate for the production, editing and presentation of visual, aural, textual or other media content.
- apply basic numerical and statistical concepts and methods appropriate for the communications professions.

Admissions

Entrance Requirements

Freshman Students

In order to be admitted to a program of study in the School of Journalism and Mass Communications, freshmen must meet all University admission requirements. In order to continue in the program, each student must attain a minimum USC GPA of 2.50 upon completion of 30 degree-applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the School of Journalism and Mass Communications, from either another college of the University or another institution, must have a cumulative minimum GPA of 2.50 on all work attempted. Transfer students from other institutions must take at least half the journalism and mass communications course work in residence at the University of South Carolina Columbia. Required journalism and mass communications courses from non-ACEJMC-accredited institutions, in order to be applied to the journalism and mass communications degree, must be validated by proficiency tests. Other journalism and mass communications courses from those institutions may be used as journalism and mass communications electives at the discretion of the SJMC administration. No more than 12 semester hours of journalism and mass communications related courses from non-ACEJMC-accredited institutions will be applied toward the journalism and mass communications degree.

Completion of ENGL 101 and ENGL 102 with grades of C or higher are prerequisites for JOUR 291.

Degree Requirements (120 hours)

See School of Journalism and Mass Communications (p. 456) for progression requirements and other regulations.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	18-21
3. Program Requirements	12-23
4. Major Requirements	48

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201 or STAT 205
- any other approved CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language (except Latin or Ancient Greek) equivalent to the minimal passing grade on the exit examination in 122. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

One US History course selected from the following:

- HIST 111
- HIST 112

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

Select one from the following:

- SPCH 140
- SPCH 145
- SPCH 230
- SPCH 260

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (18-21 hours) Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

Course	Title	Credits
Select one of the following:		
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	3
HIST 102	European Civilization from the Mid-17th Century	
HIST 104	Introduction to the Civilization of the Islamic Middle East	
HIST 105	Introduction to East Asian Civilization	
HIST 106	Introduction to African History	
HIST 107	Introduction to Ancient Near Eastern Civilization	
HIST 108	Science and Technology in World History	
HIST 109	Introduction to Latin American Civilization	
Total Credit Hours		3

Literature (3 hours)

Course	Title	Credits
Select one of the following:		
ENGL 282	Special Topics in Fiction	3
ENGL 283	Special Topics in British Literature	
ENGL 284	Drama	
ENGL 285	Special Topics in American Literature	
ENGL 286	Poetry	
ENGL 287	American Literature	
ENGL 288	English Literature	
Total Credit Hours		3

Social Science (3 hours)

- any CC-GSS (p. 741) course

Social or Behavioral Science (3 hours)

- A 300-level or higher course from HIST or POLI or three hours of Social or Behavioral Sciences at the 300 level or higher from: AFAM- African-American Studies; ANTH- Anthropology; COLA- College of Liberal Arts; GEOG-Geography (except GEOG 545 and GEOG 546); LASP-Latin American Studies; POLI- Political Science; PSYC- Psychology; SOCY- Sociology; SOST- Southern Studies; WGST- Women and Gender Studies.

Additional SJMC Requirements (6 hours)

Course	Title	Credits
ECON 224	Introduction to Economics	3
MKTG 350	Principles of Marketing	3
or MGMT 371	Principles of Management	
Total Credit Hours		6

3. Program Requirements (12-23 hours)

Minor or Cognate (12-18 hours)

Students must complete either a minor or a cognate from courses outside the SJMC.

A minimum grade of C is required in all cognate or minor courses

Minor (18 hours)

A student in the School of Journalism and Mass Communications may choose to complete a minor consisting of 18 credit hours of prescribed

courses. The minor is intended to develop a coherent basic preparation in a second area of study. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of C or better. A minor form must be completed and approved by the school after the student has completed 30 hours of course work.

Cognate (12 hours)

A student in the School of Journalism and Mass Communications may choose to complete a cognate. A cognate requires a minimum of 12 hours of courses in other departments related to the student's major and/or career goals. Cognate courses may be taken in one or more departments depending on the interest and requirements of the student, but must have approval of the student's adviser. Journalism courses may not be used in the cognate. At least 6 of the 12 hours must be at the 300-level or higher. No 100 level courses may be used in the cognate.

Electives (0-11 hours)

The Carolina Core, additional SJMC General Education Requirements, Minor/Cognate and Electives outside of the SJMC must include at least 72 semester hours in academic subjects. Students with fewer than 72 hours in general education courses must take enough electives to fulfill the 72-hour minimum.

No elective courses of a remedial, developmental nature may apply as credit toward the 72-hour minimum.

4. Major Requirements (48 hours)

A minimum grade of C is required in all major courses

Major Courses (33 hours)

Course	Title	Credits
JOUR 101	Media and Society	3
JOUR 203	Principles of Visual Communications	3
JOUR 291	Writing for Mass Communications	3
JOUR 303	Law and Ethics of Mass Communications	3
or JOUR 304	Internet and Social Media Law	
JOUR 346	Graphics for Visual Communications	3
JOUR 347	Photography for Visual Communications	3
JOUR 446	Informational Graphics	3
JOUR 447	Video for Visual Communications	3
JOUR 448	Multimedia for Visual Communications	3
JOUR 449	Design of Online Content	3
JOUR 560	Capstone Portfolio Development	3
Total Credit Hours		33

Major Electives (15 hours)

- One Visual Communications special topics course (3 hours)
- One JOUR concept/lecture course (3 hours)
- Additional Journalism Electives (9 hours)

Concentration in Sports Media (12 hours) *Optional*

Students may choose to complete a concentration in sports media. The sports media concentration may be used to fulfill 12 hours of the major elective requirements.

Course	Title	Credits
JOUR 391	Sports Media and Society	3
Select three elective courses from the following:		9
JOUR 243	Sports Activism and Media	
JOUR 244	Special Topics in Sports Media	
JOUR 245	Live Television Sports Production	
JOUR 343	Social Media for Sports Media	
JOUR 345	Gender, Sexuality, and Sports Media	
JOUR 428	Super Bowl Commercials	
JOUR 443	Sports Announcing	
JOUR 444	Multimedia Sports Storytelling	
JOUR 461	Sports Journalism	
JOUR 499	Special Topics	
JOUR 597	Internship in Mass Communications	
Total Credit Hours		12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Visual Communications, B.A.J.M.C.

Visual Communications, B.A.J.M.C. Sports Media Concentration

School of Information Science

Department Website (https://sc.edu/study/colleges_schools/cic/library_and_information_science/)

Tom Reichert, Ph.D., *Dean*

Karen Gavigan, Ph.D., *Interim Director, School of Information Science*

As a professional school grounded strongly in the sciences and liberal arts, the School of Library and Information Science emphasizes the value of a broad educational foundation as well as proficiency in information and communication skills. Information Science is the study of the cognitive, social, technological, and organizational roles of information in all its forms and rests on three foundations: content, people, and technology. That is, the substance of the information being created, communicated, stored, and/or transformed; the people who interact with this content; and the technology used to support content creation, communication, storage, or transformation.

The program emphasizes research-based learning and incorporates opportunities for service learning, internship, and work-study in a wide range of public and private organizations and agencies. In addition to providing a strong background for graduate work in library and information science, law, social science, and business, the graduate will be well suited to compete for beginning level positions as a competitive intelligence analyst, consultant, database developer and analyst, data mining specialist, information architect, archivist and records manager, information broker, information consultant, Internet researcher, knowledge management consultant, online searcher, navigation designer, researcher/analyst, Web designer/developer/programmer, and others

related to organizational needs for workers who understand information resources and services.

Progression Requirements

Each student within the school is expected to make orderly progress toward a baccalaureate degree. To facilitate this, the school's undergraduate program is divided into upper and lower divisions.

1. Lower-division students are those who have earned fewer than 60 semester hours toward the degree or who do not meet admission requirements to the upper division.
2. Admission to the upper division is based upon a minimum 2.50 cumulative UofSC GPA; completion of ISCI 201 and ISCI 202 with grades of **C** or higher; completion of 60 or more semester hours toward the degree; completion of most general education requirements (see below); selection of a particular program of study within the School; and selection and approval of a minor. All students desiring to be admitted to the upper division must formally apply for admission some time after completion of 45 semester hours and ISCI 201 and ISCI 202 and before completion of more than 75 hours of University course work.
3. All students must maintain a minimum 2.50 GPA on UofSC courses in order to maintain good standing in the School and to graduate with a B.S. in Information Science. Grades will be reviewed at the end of each semester. Students who have less than a 2.50 GPA on UofSC work are not in good standing and will be placed on probation within the School. With the exception of upper-division courses, they may continue to take course work toward their degree if seats are available.
4. All majors within the School will be expected to pass all Information Science courses used toward the degree with a minimum grade of **C**.
5. No Information Science course may be repeated more than once by any student.

Second Degree

Students from other UofSC colleges who expect to obtain a second baccalaureate degree from the School of Library and Information Science meet regular admission and progression requirements of the School, must be assigned an Information Science advisor, and must formally apply to and be accepted by the School not later than the next-to-the-last semester in which the student expects to receive the Information Science degree.

Programs

- Informatics Minor (p. 482)
- Information Science, B.S. (p. 482)

Courses

ISCI 201 - Introduction to Information Science (3 Credits)

Major concepts, principles, theories, issues, and trends in the development of Information Science.

ISCI 202 - Introduction to Information Literacy and Technology (3 Credits)

An introduction to the basic information technologies used in all types of information organizations and the essential concepts and skills needed for information literacy.

Carolina Core: INF

ISCI 220 - Using Information Resources (3 Credits)

Introduction to information services and sources available in print and electronic format. Techniques for locating, evaluating, and using information resources basic to academic work.

Prerequisites: CSCE 101 or equivalent.

ISCI 250 - Information Design (3 Credits)

Overview of responsive website design, development and basic content management systems. Examine the current tools and standards and learn how they function together in a modern web environment. Emphasis on the myriad of viewing devices and specific reference to the unique needs of information intensive institutions.

ISCI 301 - Information Storage and Retrieval (3 Credits)

Introduction to the concepts, issues, theories, and techniques of information storage and retrieval systems.

Prerequisite or Corequisite: ISCI 201.

ISCI 310 - Research Methods in Information Science (3 Credits)

Overview of major types of research methods and techniques within the field of information science. Methods of data analysis, evaluation of published research, and ethical principles.

Prerequisite or Corequisite: ISCI 201, STAT 110 or STAT 201.

Graduation with Leadership Distinction: GLD: Research

ISCI 315 - Information Policy (3 Credits)

Problems and ethical issues that arise in the development and implementation of information policies in Information Science.

Prerequisites: ISCI 201.

ISCI 325 - Children's Literature (3 Credits)

A study of materials for children from birth through elementary school (age 13) with emphasis on the evaluation, selection, and use of those materials to meet the educational, cultural, and recreational needs of children.

Graduation with Leadership Distinction: GLD: Community Service

ISCI 330 - Introduction to Computer Technology & Applications for Info Env (3 Credits)

The basic information technology concepts and applications relevant to library and related information environments. Unique information technology needs and applications of information-intensive organizations.

ISCI 380 - Special Topics in Information Science (3 Credits)

Examination of selected current and emerging topics in the field of information science and data analytics. May be repeated for credit as topics vary.

ISCI 402 - Introduction to Management Within Information Environments (3 Credits)

History, development, and implementation of theories and practices associated with managing information environments.

Prerequisite or Corequisite: ISCI 201.

ISCI 410 - Knowledge Work as an Organizational Asset (3 Credits)

Introduction to the background, principles, practices, and technologies of knowledge management for library and information professionals.

Prerequisites: C or better in ISCI 301.

ISCI 415 - Social Informatics (3 Credits)

Examines the design, uses, and effects of information and communication technologies (ICTs) from the standpoint that society and technology mutually shape one another.

ISCI 420 - Information and Communication Needs and Assessment (3 Credits)

An overview of the communication models, major concepts, trends, and other related issues of information transfer with a focus on information seeking and use in digital age.

Prerequisites: C or better in ISCI 201 or JOUR 101.

ISCI 429 - Information Management for Journalists (3 Credits)

Online resources specific to mass communications, research strategies, organization and creation of digital information.

ISCI 430 - User-Centered Information Architecture (3 Credits)

Processes and techniques for designing user-centered information systems on the Web. Issues of needs analysis, content development, cognitive models, human-computer interaction, interface design, and usability testing.

Prerequisites: ISCI 202.

ISCI 434 - Introduction to Knowledge Discovery (3 Credits)

The students will review knowledge discovery basics concepts, techniques, tools, and applications. This course is project based and the students will develop new Wikipedia pages by reading papers in a selected domain.

Prerequisites: MATH 122 or MATH 141 or MATH 142 or MATH 170 or MATH 172 or STAT 515 or STAT 201 or STAT 205.

ISCI 435 - Planning and Sustaining Digital Projects (3 Credits)

Theoretical and technological foundations of building the digital information infrastructure. Emphasis on technical aspects of managing digital assets for Intranet and Internet use.

Prerequisites: C or better in ISCI 202, ISCI 402.

ISCI 440 - Competitive Intelligence (3 Credits)

Strategies and techniques for locating competitive intelligence information.

Prerequisites: ISCI 201, ISCI 202, ISCI 301, ISCI 402.

ISCI 450 - Information Issues in Community Institutions (3 Credits)

Problem of identifying or defining cultural heritage and the issues and problems in preserving, accessing, and managing cultural heritage information. Issues such as copyright/ownership, technical problems of preservation and intellectual access, and the different ways in which libraries, archives, museums, zoos and other cultural heritage institutions operate.

ISCI 480 - Emerging Topics in Information Science (3 Credits)

Examination of selected current and emerging topics in the field of information science. May be repeated once for credit as topics vary.

ISCI 494 - Independent Study in Information Science (3 Credits)

Independent study in an area of information science relevant to the students professional goals. May be repeated once for credit as topics vary.

Prerequisites: ISCI 201, ISCI 202, ISCI 301, ISCI 402.

Graduation with Leadership Distinction: GLD: Research

ISCI 496 - Internship in Information Science (3 Credits)

Supervised field experience in an information agency relevant to students professional goals. Approval of the appropriate internship application must be submitted early in the semester preceding enrollment.

Prerequisites: ISCI 201, ISCI 202, ISCI 301, ISCI 402.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ISCI 501 - Teaching and Training in Distributed Environments (3 Credits)

Knowledge and skills for applying complementary technologies for learning in distributed learning environments (Pre-K-lifelong) through lecture, demonstration, and discussion.

ISCI 523 - Materials for Early Childhood (3 Credits)

Media resources and techniques for children from birth to 9 years. Reading interests and developmental needs of young children. Authors, illustrators, indexes, bibliographic tools, evaluation sources, and professional literature. Not open to students enrolled in M.L.I.S. program.

ISCI 525 - Materials for Children (3 Credits)

Media resources for children. Reading interests of children and their curricular and independent needs for information. Authors, illustrators, indexes, bibliographic tools, and sources of evaluation of materials for children. Techniques and literature for read-aloud programs and storytelling. Not open to students enrolled in M.L.I.S. program.

ISCI 527 - Materials for Adolescents (3 Credits)

Media resources for adolescents. Reading interests of adolescents and their curricular and independent information needs. Study of relationships of media to information needs and critical comparison between classic and contemporary materials for adolescents. Indexes, bibliographic tools, and sources of evaluation of materials. Not open to students enrolled in M.L.I.S. program.

ISCI 529 - Special Topics in Library and Information Studies (3 Credits)

Specific topics of current concern to the library, information, and media professions to be identified by title. Not open to students enrolled in M.L.I.S. program.

ISCI 530 - Applications of Information Technology and the Infrastructure (3 Credits)

Introductory knowledge for school library media specialists, teachers, administrators, parents, and other citizens interested in practical applications of information technology to support learning, decision making, and community building.

ISCI 534 - Knowledge Discovery Techniques (3 Credits)

Knowledge discovery techniques and applications.

Prerequisites: ISCI 434 for Undergraduate Students.

ISCI 560 - Information Visualization (3 Credits)

Foster theoretical insights about information visualization. Prepare small and large-scale datasets for visual representations. Project-based and students will map real datasets and understand the methods to interpret the visualizations.

ISCI 600 - Storytelling: Theory, Practice, and Development (3 Credits)

Storytelling methods, techniques, and materials encompassing heritage, art, literature, and programming.

ISCI 608 - Information Behavior and Practices (3 Credits)

Focuses on theories, models, and concepts of information behavior. Emphasizes information seeking and use practices and activities in relation particular communities, channels and barriers to information, and the impacts of technology. Provides an introduction to methods that can be used to study information needs, information seeking behavior, and related phenomena.

ISCI 683 - News Literacy (3 Credits)

Addresses the renewed phenomenon of fake news, misinformation/disinformation, and its related concepts; then focuses more explicitly on the affective information behaviors that influence our interactions with information and help us intellectually thrive in a post-truth society.

Informatics Minor

Please note that the Informatics minor is not available to students with majors in the School of Information Science.

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses		
ISCI 201	Introduction to Information Science	3
ISCI 301	Information Storage and Retrieval	3
ISCI 434	Introduction to Knowledge Discovery	3
Electives		
Select 9 hours from any additional ISCI courses ¹		9
Total Credit Hours		18

¹ ISCI 480 may be repeated for credit with different topics.

Information Science, B.S.

Learning Outcomes

- Students will describe the techniques and principles for creating, storing, organizing, transforming, and communicating information to various information seekers.
- Students will demonstrate practical skills of information science and the use of information systems.
- Students will demonstrate the comprehension of the valuable role of information and information technology in society as well as the diversity of needs and uses for information.

Admissions

First-Year Students

In order to be admitted to the B.S. Information Science degree program of study in the School of Information Science, first-year students must meet all University admission requirements. In order to continue in the program, each student must attain a minimum UofSC GPA of 2.40 upon completion of 30 degree-applicable hours. Credit received for remedial work is not counted toward the 30 hours.

Transfer Students

A student desiring to transfer to the B.S. Information Science program of the School of Information Science from either another college or school of the University or another institution must have a cumulative minimum GPA of 2.25 on all work attempted.

No more than 6 semester hours of required information science courses from other schools may be applied toward the B.S. degree in Information Science.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	0
3. Program Requirements	41-53
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- STAT 201
- any CC-ARP course (p. 741)

SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (p. 741) from the natural sciences, including one laboratory course

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Students in the School of Library and Information Science are required to demonstrate proficiency in one foreign language equivalent to the 121 course through course credit or the corresponding foreign language placement score.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)
ISCI recommends one of the following:

- SAEL 200
- SPCH 145
- SPCH 230

INF – Information Literacy¹ (0-3 hours)

- ENGL 102 - *must be passed with a grade of C or higher*

Note: ISCI 202 may not be used to fulfill the INF Carolina Core requirement

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741) (ISCI recommends SAEL 200)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (41-53 hours)

Supporting Courses (30 hours)

Complete the required credit hours for each category below.

Course	Title	Credits
Technology/Systems		
Select six hours of the following:		6
CSCE 101	Introduction to Computer Concepts	
CSCE 102	General Applications Programming	
MGSC 290	Computer Information Systems in Business	
GEOG 363	Geographic Information Systems	
ITEC 444	Introduction to Human Computer Interaction	
Business/Management		
Select nine hours of the following:		9
ACCT 222	Survey of Accounting	
ACCT 225	Introduction to Financial Accounting	
ECON 224	Introduction to Economics	
MKTG 350	Principles of Marketing	
MGMT 371	Principles of Management	
ISCI 402	Introduction to Management Within Information Environments	
Media/Visual Design		
Select three hours of the following:		3
JOUR 101	Media and Society	
MART 201	Foundations of Media Arts Production	
MART 210	Digital Media Arts Fundamentals	
Advanced Writing		
Select three hours of the following:		3
ENGL 460	Advanced Writing	
ENGL 462	Technical Writing	

ENGL 463	Business Writing	
ENGL 468	Digital Writing	
Communications		
Select three hours of the following:		3
SPCH 140	Public Communication	
SPCH 260	Argumentation and Debate	
SPCH 330	Small Group Communication	
SPCH 331	Organizational Communication	
SPCH 380	Persuasive Communication	
ANTH 371	Ethnography of Communication	
SAEL 200	Social Advocacy and Ethical Life	
LING 300	Introduction to Language Sciences	
Additional Professional Courses		
Select two from any of the courses listed in the categories above ¹		6
Total Credit Hours		30

¹ SPCH 140, SPCH 260, or SAEL 200 may not be selected if they were used to satisfy any requirements in the Carolina Core.

Minor or Cognate (12-18 hours)

A minor is eighteen credit hours or more. BSIS students are encouraged to pursue one of the sanctioned USC minors in over a hundred different subject areas. BSIS students, with an approval from the BSIS committee, may choose to complete a cognate instead of a minor. The cognate is usually twelve hours of course work. Only six hours of lower division class credits can be applied to the cognate. All cognates will be approved by the BSIS sub-committee usually by the second semester of the Junior year of a BSIS student if not earlier.

Electives (0-11 hours)

Choose any course with approval of an academic advisor, to reach hours to graduate.

Note: Courses used to satisfy Carolina Core requirements may not also count as electives.

4. Major Requirements (36 hours)

a minimum grade of C is required in all major courses

Major Courses (24 hours)

Course	Title	Credits
ISCI 201	Introduction to Information Science	3
ISCI 202	Introduction to Information Literacy and Technology	3
or ISCI 310	Research Methods in Information Science	
ISCI 250	Information Design	3
ISCI 301	Information Storage and Retrieval	3
ISCI 410	Knowledge Work as an Organizational Asset	3
or ISCI 415	Social Informatics	
ISCI 434	Introduction to Knowledge Discovery	3
ISCI 560	Information Visualization	3
ISCI 494	Independent Study in Information Science	3
or ISCI 496	Internship in Information Science	
Total Credit Hours		24

Major Electives (12 hours)

Course	Title	Credits
Select four from the following, with at least two from ISCI		12
ISCI 315	Information Policy	
ISCI 430	User-Centered Information Architecture	
ISCI 435	Planning and Sustaining Digital Projects	
ISCI 440	Competitive Intelligence	
ISCI 450	Information Issues in Community Institutions	
ISCI 480	Emerging Topics in Information Science	
ISCI 494	Independent Study in Information Science	
ISCI 496	Internship in Information Science	
JOUR 203	Principles of Visual Communications	
JOUR 215	Special Topics in Mass Communications	
JOUR 244	Special Topics in Sports Media	
JOUR 261	Journalism Trends	
JOUR 343	Social Media for Sports Media	
JOUR 346	Graphics for Visual Communications	
JOUR 347	Photography for Visual Communications	
Total Credit Hours		12

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Information Science, B.S.

SCHOOL OF MUSIC

Department Website (<http://www.music.sc.edu/>)

Taylor Harding, *Dean*

Ron Davis, *Associate Dean for Equity, Diversity, and Inclusion*

Rebecca S. Nagel, *Associate Dean for Community Engagement and Experiential Learning*

Clifford Leaman, *Associate Dean and Director of Graduate Studies*

Tina Milhorn Stallard, *Associate Dean and Director of Undergraduate Studies*

Jacob Will, *Associate Dean of Administration*

Degrees Offered

The University of South Carolina offers two undergraduate degrees in music: the Bachelor of Arts degree and the Bachelor of Music degree with emphases in performance, theory, composition, jazz studies, music education-choral, and music education-instrumental.

The School of Music is accredited by the National Association of Schools of Music.

Through the Bachelor of Music program in music education, the School of Music participates in the teacher education programs of the University which are accredited by the National Council for Accreditation of Teacher Education. The School of Music also participates actively in South Carolina Honors College.

General Requirements

Applied Music for the Music Major

A qualifying audition is required prior to registration in applied music courses. Students who do not qualify for entrance into the music major sequence (MUSC 111 or MUSC 211) in their primary performance area will be placed into the MUSC 101 level. Students may study at the MUSC 101 level in their primary area for a maximum of two semesters. If, at the final examination of the second semester in MUSC 101, the area faculty finds that a student does not meet the performance standard to enter the music major sequence (MUSC 111 or MUSC 211), the student will be removed from the school.

All candidates for degrees in music must continue individual instruction in their primary performance area until the applied music requirements have been satisfied. All assignments of students registered in applied music courses to actual instructors/professors are determined by the dean of the School of Music. As part of the applied study, students are required to attend concerts and perform at the School of Music seminars. The number of credit hours of applied music is determined by the chosen curriculum.

Piano Proficiency

All students except those for whom piano or organ is the major applied area are required to pass a piano proficiency examination. Specific requirements for this examination are listed in the School of Music's *Handbook for Undergraduate Students*. Music majors enter the Group Piano sequence at the MUED 155 level and remain in the sequence until degree requirements have been satisfied. Students who have studied piano (a minimum of three years) can audition with the Coordinator of Group Piano for advanced placement in or exemption from Group Piano. The audition must take place during

the first two semesters of study. For many students the study of piano will begin in group piano and progress later to private study.

Attendance

Enrollment in a course obligates the student not only for prompt completion of all work assigned but also for punctual and regular attendance and for participation in whatever class discussion may occur. It is the student's responsibility to keep informed concerning all assignments made. Absences, whether excused or unexcused, do not absolve the student from this responsibility. Absence from more than 10 percent of the scheduled class sessions, whether excused or unexcused, is excessive and the instructor may choose to exact a grade penalty for such absences.

Regulations for attendance at ensemble rehearsals and performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal and performance unless excused. Regulations pertaining to jury examinations, ensemble participation, recitals, seminar attendance and other related matters are published in the School of Music's *Handbook for Undergraduate Students*.

Progression Requirements

Acceptance as a music major does not guarantee progression to the upper division. To remain in a degree program offered by the School of Music, a student must make satisfactory progress toward the degree. A student who fails to make satisfactory academic progress may be placed on academic probation or removed from the school. This includes satisfactory progress in the applied music sequence. In addition, all students in the school are subject to the regulations on probation, suspension, and readmission in the "Academic Standards" section of the "Academic Regulations" chapter of this bulletin. At the end of the sophomore year, each student's progress toward completion of lower-division requirements will be evaluated.

Upper Division

To be admitted to the upper division, students must meet the following criteria:

1. completion of piano proficiency requirements;
2. completion of the Aural Skills training sequence (MUSC 117, MUSC 118, MUSC 217, MUSC 218); Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of "B"
3. completion of music theory sequence (MUSC 115, MUSC 116, MUSC 215, MUSC 216); Bachelor of Music with an emphasis in Theory majors must achieve a minimum grade of "B"
4. for music education majors, completion of the Music Education Practicum (MUED 200);
5. for Bachelor of Music students, approval of the applied jury to progress to the upper-division courses (MUSC 311 or MUSC 411), as appropriate to the chosen degree program;
6. completion of at least 60 credits with a cumulative grade point average of 2.50 in MUSC and MUED courses and 2.00 in all courses.

Graduation

In order to be eligible for graduation, students in the School of Music must meet all course requirements, be in good standing, have a cumulative GPA of at least 2.50 on all MUSC and MUED courses, and have a cumulative GPA of at least 2.00 on all work attempted at UofSC. The last 30 semester hours must be completed in residence at the University, and at least half of the hours in the student's major courses and in the student's minor courses must be taken at the University. For further information on this and other University regulations, see the "Academic Regulations" chapter of this bulletin.

Advisement

Every music major will be assigned an advisor in the school, who will consult with the student throughout the college career. Students must see their academic advisors at least once each semester for assistance in planning their academic program. No student will be allowed to complete the registration process without an advisement form approved by an assigned faculty advisor.

It is the responsibility of each student to understand and complete all degree requirements. The student's major advisor is responsible for interpreting and applying major, minor, and cognate requirements. When special problems arise, the student may consult the director of undergraduate studies.

Right of Petition

A student may seek relief from academic standards and regulations by appealing to the Scholastic Standards and Petitions Committee of the School of Music. Information on procedures may be obtained from the music studies office.

Career Development

The School of Music aims to complement academic advising by assisting music students in clarifying career directions. Students are encouraged to begin the process of career planning as early as possible. Career counselors are available in the University Career Center to assist students in gaining an understanding of their own interests, values, abilities, and personalities, the nature of a liberal arts education and the related marketable skills, and the numerous career opportunities available for music majors. In addition, students are encouraged to complement their academic studies with career-related work experience such as internships, cooperative education, part-time work experience, or volunteer work.

Special Opportunities

Performance Certificate

The performance certificate is awarded by the School of Music to recognize those undergraduate music students with degree emphases other than music performance as well as those students not majoring in music. The performance certificate will allow gifted and highly motivated students to acquire additional credit, professorial interaction and guidance, and departmental distinction in music performance. Incoming freshman may demonstrate their fitness for the performance certificate during their qualifying or scholarship audition. Continuing students are eligible to enter this program by application to the coordinator of the appropriate area faculty and upon recommendation of the area faculty jury. The course of study for the certificate includes applied music registration for MUSC 211 (for 3 credits each semester) and a

minimum of two semesters of MUSC 411 (for 3 credits each semester). The certificate requires a maximum of no more than 18 hours beyond the requirements of the baccalaureate program. An extended jury is required to progress from MSUC 211 to MUSC 411. The completion of the program is dependent upon the following musical equivalent to a senior thesis experience: successful completion of two half recitals or one full recital. The recital will be graded by the same criteria as a performance degree recital. The candidate's program may be revoked by: request of candidate, action of the candidate's jury, or action of the jury at the half or full recital. All qualifying students will receive the performance certificate upon completion of their degree. In addition to receiving the performance certificate, music majors will receive their degree "with distinction in music performance" at commencement as part of the Departmental Undergraduate Research Track.

Music Entrepreneurship Minor

Music majors may supplement their degree choice with a music entrepreneurship minor of 18 credits that will assist students in capitalizing on the artistic, economic and social power of their music education and degree; assist students to envision their musical career as a means of generating value; and assist in creating successful, entrepreneurial decision makers.

Audio Recording Minor

The minor in Audio Recording is designed to provide music students with applicable knowledge and skills in audio recording and music production. Within the context of a liberal arts degree in music, students will develop competencies in aural and music analysis, the use of audio hardware and software, microphone theory and technique, and the application of sound in media.

Minor in Music Industry Studies

The minor in Music Industry Studies is designed to prepare music and non-music students for executive and administrative careers in the music industry. Students are immersed in an interdisciplinary curriculum that provides a foundational understanding of business and the music industry. Consultation with the Undergraduate Director in the School of Music is required.

Independent Study

The school endorses the use of departmental independent study courses to further students' intellectual pursuits in alternative ways. Before students may register for an independent study course, they must present a completed independent study contract which has been approved by the instructor selected for the independent study project, the major advisor, and the dean. No student may apply more than 15 hours of independent study credits toward the degree. Unless approved as a part of the major, minor, or cognate, independent study courses will be graded only on a Pass-Fail basis. A grade point average of 2.50 or greater is required to enroll in independent study courses.

Courses for the Nonmusic Major

Many courses in music may be taken as electives toward other University degrees. Such courses include those in music appreciation, music history and literature, music theory, group piano and voice, and private lessons. Membership in large performing organizations such as the choirs, bands, and orchestras may also

be used for elective credit. All students of the University are invited to participate in the musical organizations.

Private lessons in applied music are available to nonmusic majors on a limited basis through audition. Approval from the School of Music is necessary prior to registration. Interested students should contact the director of undergraduate studies for information about auditions.

Minor in Music

The minor in Music requires a three credit prerequisite (MUSC 115), 10 credits of core requirements, and eight credits chosen from music electives. Consultation with the undergraduate director in the School of Music is required.

Minor in Music Industry Studies

The minor in Music Industry Studies is designed to prepare music and non-music students for executive and administrative careers in the music industry. Students are immersed in an interdisciplinary curriculum that provides a foundational understanding of business and the music industry. Consultation with the Undergraduate Director in the School of Music is required.

The following courses may be used to satisfy the **cognate requirements** of undergraduate degrees offered by other schools and colleges on the USC campus: MUSC 115, MUSC 116, MUSC 145, and all MUSC and MUED courses numbered 200 and above.

Music Entrepreneurship Minor

The minor in Music Entrepreneurship is designed to assist students in capitalizing on the artistic, economic and social power of music and in creating successful, entrepreneurial decision makers.

Curricula

The curricula established for all baccalaureate degrees awarded by the school include a set of courses that fulfill general education requirements, a set of courses that comprise a departmental major and related courses, and several hours of elective courses. Except for courses used in meeting the Bachelor of Arts cultural awareness requirement, a course may be used to fulfill only one requirement.

General Education Requirements

Degree candidates in the School of Music must satisfy all general education requirements as specified in the chosen degree. These requirements are designed to provide students with a broad experience in the liberal arts and sciences and opportunities to develop intellectual skills in analysis, synthesis, and evaluation, as well as competence in written and oral communication.

Each student must complete the specified number of hours or attain the desired level of achievement in the groups of courses outlined below. Note that the credit hours required in these groups vary somewhat between the B.A. and B.M. degrees. In planning the course of study during the first two years, a student should give precedence to courses that satisfy the general education requirements. Students must complete ENGL 101 and ENGL 102 within the first 60 semester hours of work in order for these courses to be credited toward graduation.

Major Requirements

Every degree candidate in the school must successfully complete a major program of study that meets the major requirements of the program. A minimum grade of **C** is required for any course submitted for fulfillment of major requirements; this includes all MUSC and MUED courses.

Course requirements in applied music include the following minimum levels of applied study: performance, and jazz studies—four semesters at the lower-division level and four semesters at the upper-division level; music education, theory/composition—four semesters at the lower-division level and two semesters at the upper-division level; B.A.—six semesters at the lower level. The number of required credits in applied music is determined by each degree program.

Teacher Preparation Program

The School of Music participates in the University's teacher preparation programs. The Bachelor of Music degree with emphases in music education-choral or music education-instrumental is the approved course of study for students who plan to be certified as K-12 music teachers.

Dual Degree

Music students who wish to pursue a dual degree must receive the approval of the dean of music and the dean of the college in which the other degree is offered. Additional information may be found under "Academic Regulations" in this publication.

Cognates

In addition to satisfactorily completing all courses in the major field of study, a student in the Bachelor of Arts program must also satisfactorily complete a minimum of 12 hours in advanced courses related to but outside the major, as prescribed by the school.

The cognate is intended to support the course work in the major. Cognate courses may be drawn from one or more departments, depending on the individual interests and requirements of the student as judged by the student's advisor. A cognate differs from a minor in that the courses must be above prerequisite level and may be distributed over more than one subject area. All cognate courses must be passed with a grade of **C** or higher. For cognate course offerings in other departments or colleges, consult the appropriate section of this bulletin.

Minors

In place of the cognate a student in the Bachelor of Arts program may choose a minor consisting of at least 18 credit hours of prescribed courses. The subject area of the minor may be related to the major.

The minor is intended to develop a coherent basic preparation in a second area of study. It differs from the cognate inasmuch as the courses must be concentrated in one area and must follow a structured sequence. Interdisciplinary minors can be designed with the approval of the dean.

Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. All minor courses must be passed with a grade of **C** or better. For descriptions of specific minors, students

should see appropriate sections of the bulletin and their academic advisors.

Electives

Electives toward credit hour requirements for all degrees in the School of Music must be in academic subjects. No courses of a remedial, developmental, or vocational nature may be applied as credit toward a degree in the School of Music. To encourage the student to select electives that will broaden the educational background and to study subjects that might otherwise be neglected, use of the Pass-Fail option is allowed on elective courses.

Programs

- Audio Recording Minor (p. 488)
- Entrepreneurship Minor (<https://academicbulletins.sc.edu/undergraduate/music/entrepreneurship-minor/>)
- Music Entrepreneurship Minor (p. 488)
- Music Industry Studies Minor (p. 488)
- Music Industry Studies, B.S. (<https://academicbulletins.sc.edu/undergraduate/music/music-industry-studies-bs/>)
- Music Minor (p. 488)
- Music Performance, Certificate (p. 489)
- Music, B.A. (p. 489)
- Music, B.M. (p. 492)

Audio Recording Minor

Please note that the Audio Recording Minor is open to students with majors in the School of Music only.

The minor in Audio Recording is designed to provide music students with applicable knowledge and skills in audio recording and music production. Within the context of a liberal arts degree in music, students will develop competencies in aural and music analysis, the use of audio hardware and software, microphone theory and technique, and the application of sound in media. Students will also learn how to apply their knowledge of acoustics in the recording studio, edit and manipulate audio, solve technical and artistic problems, and communicate with performers. Skills are developed through the execution of projects in various recording situations, studio settings, and musical genres.

Minor Requirements (18 Hours)

Course	Title	Credits
MUSC 336	Introduction to Computer Music	3
MUSC 365	An Introduction to Audio Recording Techniques	3
MUSC 565	Advanced Audio Recording Techniques	3
MUSC 566	Fundamentals of Sound Use for Media	3
MUSC 567	Recording Studio Techniques	3
MUSC 571	Digital Audio Technology	3
Total Credit Hours		18

Music Entrepreneurship Minor

Music majors may supplement their degree choice with a music entrepreneurship minor of 18 credits that will assist students in capitalizing on the artistic, economic and social power of their music education and degree; assist students to envision their musical career

as a means of generating value, and assist in creating successful, entrepreneurial decision makers.

Minor Requirements (18 Hours)

Course	Title	Credits
Required Courses:		
MUSC 580	Music & Arts Entrepreneurship	3
MUSC 582	Music and Money	3
MUSC 591	Music Leadership Practicum	3
Select three elective courses, with at least one offered outside of the music school:		9
ECON 224	Introduction to Economics	
MGMT 371	Principles of Management	
MKTG 350	Principles of Marketing	
MUSC 588	Business of Music	
MUSC 590	Seminar in Music Entrepreneurship	
MUSC 592	21st Century Performer	
MUSC 593	Arts Marketing	
SPT 202	Introduction to Live Entertainment Management	
SPT 402	Entertainment and the Law	
Total Credit Hours		18

Music Industry Studies Minor

Minor Requirements (18 hours)

Course	Title	Credits
Required Courses:		
MUSC 305	Introduction to Music Industry Studies	1
MUSC 498	Music Industry Capstone	2-3
MUSC 580	Music & Arts Entrepreneurship	3
MUSC 582	Music and Money	3
Select three elective courses: ¹		9
ECON 224	Introduction to Economics	
MKTG 350	Principles of Marketing	
MUSC 365	An Introduction to Audio Recording Techniques	
MUSC 590	Seminar in Music Entrepreneurship	
MUSC 593	Arts Marketing	
SPT 202	Introduction to Live Entertainment Management	
SPT 402	Entertainment and the Law	
Total Credit Hours		18-19

¹ Select at least one course offered outside of the music school.

Music Minor

Minor Requirements

Prerequisite Courses (3 Hours)

Course	Title	Credits
MUSC 114	Introduction to Music Theory ¹	3
Total Credit Hours		3

¹ May be used to fulfill the AIU portion of the Carolina Core Requirements.

Core Requirements (10 Hours)

Course	Title	Credits
MUSC 100	Recital Class (2 semesters)	0
MUSC 110	Introduction to Music	3
MUSC 115	Music Theory I	3
MUSC 117	Aural Skills I	1
MUSC 118	Aural Skills II	1
Select music ensemble for 2 semesters from the following:		2
MUSC 123	The Marching Band	
MUSC 124	Symphonic Winds	
MUSC 125	University Concert Choir	
MUSC 126	University Orchestra	
MUSC 129	University Chorus	
MUSC 130A-MUSC 130Z		
MUSC 131	Jazz Ensemble	
MUSC 133	Wind Ensemble	
MUSC 134	Ensemble - Chamber Orchestra	
MUSC 135B-MUSC 135E		
Total Credit Hours		10

Music Electives (8 Hours)

Course	Title	Credits
Select 8 hours in any combination from the following categories:		
Ensemble		4
Select a maximum of four hours from the ensemble options listed above		
Applied		8
Maximum of eight (8) credits. ¹		
Theory or History		1-3
Select a 200-level or higher course from the following:		
MUSC 215	Music Theory II	
MUSC 216	Music Theory IV	
MUSC 217	Aural Skills III	
MUSC 218	Aural Skills IV	
MUSC 312	Counterpoint	
MUSC 313	Twentieth-Century Techniques and Materials	
MUSC 315	Topics in Music Theory	
MUSC 353	History of Western Music I	
MUSC 354	History of Western Music II	
MUSC 445	Special Topics in Musicology and Ethnomusicology	
Music Education		3
Any MUED course		

¹ The student may receive credit for two semesters of study at the 101 level (MUSC 101A-MUSC 101Z), but must make normal progress in the applied sequence (MUSC 111A-MUSC 111Z, MUSC 211A-MUSC 211Z, MUSC 311A-MUSC 311Z, MUSC 411A-MUSC 411Z) for more than two (2) semesters to be allowed toward the minor.

Note

Consultation with the undergraduate director in the School of Music is required.

Music Performance, Certificate

The performance certificate is awarded by the School of Music to recognize those undergraduate music students with degree emphases other than music performance as well as those students not majoring in music. The performance certificate will allow gifted and highly motivated students to acquire additional credit, professorial interaction and guidance, and departmental distinction in music performance. Incoming freshman may demonstrate their fitness for the performance certificate during their qualifying or scholarship audition. Continuing students are eligible to enter this program by application to the coordinator of the appropriate area faculty and upon recommendation of the area faculty jury.

Certificate Requirements

The course of study for the certificate includes applied music registration for:

- MUSC 211 (for 3 credits each semester)
- MUSC 411 (for 3 credits each semester)

Additional Information

The certificate requires a maximum of no more than 18 hours beyond the requirements of the baccalaureate program. An extended jury is required to progress from MUSC 211 to MUSC 411. The completion of the program is dependent upon the following musical equivalent to a senior thesis experience: successful completion of two half recitals or one full recital. The recital will be graded by the same criteria as a performance degree recital. The candidate's program may be revoked by: request of candidate, action of the candidate's jury, or action of the jury at the half or full recital. All qualifying students will receive the performance certificate upon completion of their degree. In addition to receiving the performance certificate, music majors will receive their degree "with distinction in music performance" at commencement as part of the Departmental Undergraduate Research Track.

Music, B.A.

Learning Outcomes

- All BA & BM candidates will perform a series of jury exams on their primary instrument or voice. Each exam will engage the candidate in performance of a wide array of musical styles reflective of undergraduate-level literature.
- All BA & BM candidates will demonstrate fundamental piano skills, including performing, transposing, harmonizing, and sight-reading at levels appropriate for undergraduate music majors.
- All BM candidates with a performance or jazz studies emphasis will perform one half-recital and one-full recital on their primary instrument. Each recital will consist of a wide array of musical styles reflective of undergraduate-level repertoire.
- All BM candidates in music education will demonstrate the ability to plan level-appropriate lessons and execute plans successfully in authentic teaching contexts in their area of specialty (band, choir, orchestra, elementary).

Admissions

Entrance Requirements

All applicants to the School of Music must audition on their principal instrument or voice. Admission to any specific degree is dependent on the qualifying audition. A student who wishes to enter the School of Music from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.25 or higher. A student who wishes to enter the School of Music from another USC campus must fulfill one of the following:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.25 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.25 or higher on a USC campus. Transfer applicants from regionally accredited colleges and universities are required to have a minimum GPA of 2.25 (on a 4.00 scale) on all college-level courses attempted. If fewer than 30 semester hours of college-level work have been attempted, the applicant must meet both transfer and freshman entrance requirements.

Degree Requirements (121 hours)

See School of Music (p. 485) for information about progression requirements, and special academic opportunities.

Additional information is available in the “Undergraduate Academic Regulations” chapter of this bulletin, the School of Music’s Handbook for Undergraduate Students, or from the Office of Music Studies.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	0
3. Program Requirements	15-40
4. Major Requirements	49-67

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- two 4-credit hour CC-SCI courses (p. 741)

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required, if not already met through Carolina Core or the foreign language placement exam.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

must be passed with a grade of C or higher

- MUSC 115

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (15-40 hours)

Supporting Courses (15-18 hours)

Foreign Language (0-3 hours)

- only if needed to meet 122-level proficiency

History (3 hours)

- The School of Music requires one U.S. History and one non-U.S. History course, both of which must be chosen from the approved Carolina Core GHS courses. Whichever is not fulfilled through the Carolina Core GHS requirement must be fulfilled through this Program Requirement.

Social Science (3 hours)

- Choose any from the list of CC-GSS approved courses.

Humanities (9 hours)

- Students who choose to complete the Musical Theatre Concentration must select THEA 170 as one of their Humanities courses.

Cognate or Minor (0-18 hours)

must be passed with a grade of C or higher

- Students must choose to complete a cognate (12 hours) or a minor (18 hours). The Cognate or Minor requirement is optional for students who choose to complete the Musical Theatre Concentration.

Electives (0-13 hours)

No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the School of Music. The School of Music allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the School of Music.

4. Major Requirements (49-67 hours)

a minimum grade of C is required in all major courses

Major Courses (43 hours)

Course	Title	Credits
MUSC 100	Recital Class (5 semesters are required)	0
MUSC 100A	Music Advocacy I: Understanding the Power of Your Music	0
MUSC 100L	Recital Class Laboratory	1
MUSC 117	Aural Skills I	1
MUSC 118	Aural Skills II	1
MUSC 215	Music Theory II	3
MUSC 217	Aural Skills III	1
MUSC 218	Aural Skills IV	1
MUSC 353	History of Western Music I	3
MUSC 354	History of Western Music II	3
Select one Music History course from the following:		3
MUSC 455	History of Western Music III	
MUSC 544	Topics in Music History	
Select two Theory Electives from the following courses:		6
MUSC 312	Counterpoint	
MUSC 313	Twentieth-Century Techniques and Materials	
MUSC 315	Topics in Music Theory	
MUSC 319	Jazz Theory I	
MUSC 320	Jazz Theory II	
MUSC 515	Orchestration	
MUSC 518	Form and Analysis	
MUSC 525	Post-Tonal Music Theory	
MUSC 526	Analytical Studies	

MUSC 528	Seminar in Music Theory	
Applied Music Courses ¹		
MUSC 111A-MUSC 111Z		12
Ensembles		
Select 8 hours	8	
Total Credit Hours		43

¹ Must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

² Students must complete a minimum of 4 semesters in a major ensemble and are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, & University Chorus. Ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Students who choose to complete the Musical Theatre concentration must complete 4 semesters of musical theatre ensemble, selected from MUSC 130M and MUSC 450.

Major Electives (6 hours)

Students must complete a minimum of 6 hours of music major electives, including MUED 155 & MUED 156 (or demonstration of piano proficiency is required), if needed, or MUSC 278 for those whose primary medium is voice. Students who choose to complete the Music Theatre Concentration must choose MUSC 278 or MUSC 500 as two hours of their Major Electives.

Concentration in Musical Theatre (18 hours) optional

Students who choose to complete a concentration in Musical Theatre may not also choose to complete a Theatre Minor.

Course	Title	Credits
DANC 102B	Ballet Technique I	2
DANC 112B	Contemporary Dance Technique I	2
DANC 178	Jazz Dance Technique I	2
THEA 240	Beginning Voice and Speech	3
THEA 270	Beginning Acting	3
THEA 280	Elements of Design for Theatre Production	3
THEA 370	Intermediate Acting	3
Total Credit Hours		18

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Music, B.A.**Music, B.A. Musical Theatre****Music, B.M.****Learning Outcomes**

- All BA & BM candidates will perform a series of jury exams on their primary instrument or voice. Each exam will engage the candidate in performance of a wide array of musical styles reflective of undergraduate-level literature.
- All BA & BM candidates will demonstrate fundamental piano skills, including performing, transposing, harmonizing, and sight-reading at levels appropriate for undergraduate music majors.
- All BM candidates with a performance or jazz studies emphasis will perform one half-recital and one-full recital on their primary instrument. Each recital will consist of a wide array of musical styles reflective of undergraduate-level repertoire.
- All BM candidates in music education will demonstrate the ability to plan level-appropriate lessons and execute plans successfully in authentic teaching contexts in their area of specialty (band, choir, orchestra, elementary).

Admissions**Entrance Requirements**

All applicants to the School of Music must audition on their principal instrument or voice. Admission to any specific degree is dependent on the qualifying audition. A student who wishes to enter the School of Music from another college on the Columbia campus must be in good standing and have a cumulative GPA of 2.25 or higher. A student who wishes to enter the School of Music from another USC campus must fulfill one of the following:

1. Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a cumulative GPA of 2.25 or higher.
2. Be in good standing and have completed 30 semester hours with a GPA of 2.25 or higher on a USC campus. Transfer applicants from regionally accredited colleges and universities are required to have a minimum GPA of 2.25 (on a 4.00 scale) on all college-level courses attempted. If fewer than 30 semester hours of college-level work have been attempted, the applicant must meet both transfer and freshman entrance requirements.

Degree Requirements (128-132 hours)

See School of Music (p. 485) for information about progression requirements and special academic opportunities.

Additional information is available in the "Undergraduate Academic Regulations" chapter of this bulletin, the School of Music's Handbook for Undergraduate Students, or from the Office of Music Studies.

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	0-7
4. Major Requirements	90-94

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)**CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)**

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- two CC-ARP courses (p. 741)

SCI – Scientific Literacy (7 hours)

- two CC-SCI courses (p. 741), including one 4-credit hours laboratory science

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-7 hours)

Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 110 or 121 course.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

must be passed with a grade of C or higher

- MUSC 115

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS (p. 741) course

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (0-7 hours)

Electives (0-7 hours)

The number of non-music electives needed depends on how Carolina Core courses are fulfilled. The number of hours of Carolina Core courses and non-music electives must equal 38 hours. No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees in the School of Music. The School of Music allows the use of the Pass-Fail option on elective courses. Further clarification on inapplicable courses can be obtained from the School of Music.

4. Major Requirements (90-94 hours)

A minimum grade of C is required in all major courses.

Major Courses (25 hours)

Course	Title	Credits
MUSC 100	Recital Class (Students in all concentrations must complete 5 semesters)	0
MUSC 100A	Music Advocacy I: Understanding the Power of Your Music	0
MUSC 100L	Recital Class Laboratory	1
MUSC 117	Aural Skills I	1
MUSC 118	Aural Skills II	1
MUSC 215	Music Theory II	3
MUSC 217	Aural Skills III	1
MUSC 218	Aural Skills IV	1
MUSC 333	Basic Choral and Instrumental Conducting	2
MUSC 353	History of Western Music I ¹	3
MUSC 354	History of Western Music II	3
Select one music history course from the following:		3
MUSC 445	Special Topics in Musicology and Ethnomusicology	
MUSC 544	Topics in Music History	
Select two music theory electives from the following: ²		6
MUSC 312	Counterpoint	
MUSC 313	Twentieth-Century Techniques and Materials	
MUSC 315	Topics in Music Theory	
MUSC 319	Jazz Theory I ³	
MUSC 320	Jazz Theory II ³	
MUSC 515	Orchestration	
MUSC 518	Form and Analysis	

MUSC 525	Post-Tonal Music Theory	
MUSC 526	Analytical Studies	
MUSC 528	Seminar in Music Theory	
Total Credit Hours		25

¹ Students in the Jazz Studies Concentration must take MUSC 340 instead.

² Courses required or selected to meet concentration requirements (Jazz, Performance, Performance-Chamber, Composition, Theory) may not also fulfill these Music Theory Electives.

³ Students in the Jazz Studies Concentration must take MUSC 319 and MUSC 320.

Concentration (65-69 hours)

Students must choose one of the following concentrations:

Composition Concentration (65-68 hours)

Course	Title	Credits
MUSC 312	Counterpoint	3
MUSC 316	Music Composition I	3
MUSC 336	Introduction to Computer Music	3
MUSC 416	Music Composition II	3
MUSC 515	Orchestration	3
MUSC 516	Composition	12
MUSC 525	Post-Tonal Music Theory	3
MUSC 540	Projects in Computer Music	3
Total Credit Hours		33

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Fine Arts Elective (3 hours)

- any non-music Carolina Core approved AIU course

Music History and Literature Elective (3 hours)

Course	Title	Credits
MUSC 500	Topics in Performance and Literature	1-3
MUSC 543	Song Literature	3
MUSC 544	Topics in Music History	3
MUSC 545	Survey of the Opera	3
MUSC 548	Orchestra Literature	3
MUSC 549	Survey of Chamber Music	3
MUSC 555	World Music	3
MUSC 557	American Music	3
MUSC 558	Piano Literature I	3
MUSC 559	Piano Literature II	3
MUSC 587	Repertoires of Lute, Vihuela, and Guitar	3

Applied Music Courses (12 hours)

Applied Music must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

Course	Title	Credits
MUSC 111	(8 hours, minimum of 4 semesters)	8
MUSC 311	(4 hours, minimum of 2 semesters)	4
Total Credit Hours		12

Ensembles (8 Hours)

Students are required to participate in the major ensemble (6-7 semesters/hours) most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor.

Courses which qualify for the Chamber Music requirement (1-2 semesters/hours) include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard.

Concentration Electives (6 hours)

Any MUED or MUSC courses (other than MUSC 103, MUSC 104, MUSC 105, MUSC 110, MUSC 113, MUSC 140, MUSC 203). Students must complete a minimum of 6 hours of music major electives, including MUED 155 & MUED 156, if needed.

Jazz Studies Concentration (65-68 hours)

Course	Title	Credits
MUSC 219	Jazz Improvisation I	3
MUSC 220	Jazz Improvisation II	3
MUSC 329	Jazz Improvisation III	3
MUSC 330	Jazz Improvisation IV	3
MUSC 520	Studio Arranging and Composition	3
Total Credit Hours		15

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Applied Music Courses (32 hours)

Applied Music must be completed satisfactorily for a minimum of 32 hours of credit.

Course	Title	Credits
MUSC 211	(16 hours, minimum of 4 semesters)	16
MUSC 411	(16 hours, minimum of 4 semesters)	16
MUSC 400	Half Solo Recital	0
MUSC 401	Full Solo Recital	0
Total Credit Hours		32

Note: The half solo recital is required in the junior year and a full solo recital is required in the senior year.

Ensembles (8 hours)

Students must declare a primary instrument upon acceptance into the program. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles

are expected to be present at every rehearsal & performance, unless excused by the conductor. Students may choose from either ensembles for students who play a:

- **Wind Instrument:** 6 semesters of MUSC 131 and 2 semesters of MUSC 130Z.
- **Rhythm Section Instrument:** 2 semesters of MUSC 131, 2 semesters of MUSC 130Z, and 4 semesters chosen from MUSC 135C, MUSC 131, or MUSC 130Z.

Concentration Electives (10 hours)

Any MUED or MUSC courses (other than MUSC 103, MUSC 104, MUSC 105, MUSC 110, MUSC 113, MUSC 140, MUSC 203). Students must complete a minimum of 10 hours of music major electives, including MUED 155 & MUED 156, if needed.

Music Education Concentrations-Choral and Instrumental (69 hours)

Professional Education Courses (22 hours)

Course	Title	Credits
MUED 200	Music Education Practicum	1
EDPY 401	Learners and the Diversity of Learning	3
EDTE 201	Issues and Trends in Teaching and Learning	3
EDRD 500	Content Area Literacy PK-12	3
or EDEX 581	Teaching Reading in the Content Area to Adolescents with Reading Disabilities	
MUED 477	Directed Teaching (Music)	12
Total Credit Hours		22

Applied Music-Primary Instrument (14 hours)

Primary Applied Lessons must be completed satisfactorily for a minimum of 7 semesters & 14 hours of credit.

Primary Applied Lessons

Course	Title	Credits
MUSC 111	(8-10 hours, minimum of 4 semesters)	8-10
MUSC 311	(4-6 hours, minimum of 2 semesters)	4-6
Total Credit Hours		12-16

Emphasis (33 hours)

Choose either Choral or Instrumental.

Choral (33 hours)

Course	Title	Credits
MUSC 278	Introduction to Singer's Diction	2
MUSC 335	Choral Conducting	2
MUSC 577	Vocal Pedagogy	2
Music Education Courses		
MUED 107	Classroom Instruments	1
MUED 335L	Choral Literature Lab II	1
MUED 359	Instrumental Techniques for Choral Majors	2
MUED 465	General Music in Elementary Schools	2
MUED 465P	Practicum in Elementary Music	1
MUED 467	Choral Methods and Materials	3
MUED 467P	Practicum in Choral Music	1

Applied Music-Secondary Instrument

Students must complete the requirements of an area of Secondary Applied Lessons from below.

Voice Principal:

MUED 155	Group Piano	
MUED 156	Group Piano	
MUED 355	Advanced Group Piano	
MUED 356	Advanced Group Piano	

Keyboard Principal:

MUED 165	Class Voice (Basic)	
MUED 166	Class Voice (Basic)	
MUED 265	Class Voice (Intermediate)	
MUED 266	Class Voice (Intermediate)	

Ensembles

Select seven semesters of major ensemble from the following: 7

MUSC 125	University Concert Choir	
MUSC 129	University Chorus	
MUSC 130	Ensemble (One semester of chamber music with suffix A-Z)	1

Total Credit Hours 33**Instrumental (33 hours)**

Course	Title	Credits
MUSC 334	Instrumental Conducting	2

Music Education Courses

MUED 155	Group Piano	2
MUED 156	Group Piano	2
MUED 165	Class Voice (Basic)	2

Select one of the following: 3

MUED 465	General Music in Elementary Schools & 465P and Practicum in Elementary Music	
MUED 454	Music for Young Children	

Instrument

Select one of the following: 22

Percussion:

MUED 105	(Five semesters) or MUED 106	
MUED 358	Strings	
MUED 360P	Percussion Practicum	
MUED 551	The Middle School Band	
MUED 552	The High School Band	
MUED 568	Organization and Administration of Music Programs	

Ensembles (8 hours)

MUSC 123	The Marching Band (minimum of two semesters)	
MUSC 124	Symphonic Winds (minimum of three semesters) or MUSC 133 Wind Ensemble	
MUSC 130	Ensemble (with suffix A-Z; minimum of one semester)	

Strings:

MUSC 101A-MUSC 101D		
MUED 104	Secondary Strings (Three semesters)	
MUED 360	Percussion Techniques	
MUED 533	Methods for String Instruction I	
MUED 533P	Practicum in Methods of String Instruction I	
MUED 534	Methods of String Instruction II	
MUED 534P	Practicum in Methods of String Instruction II	

MUED 551	The Middle School Band	
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Ensembles

MUSC 126	University Orchestra (minimum of six semesters)	
MUSC 130	Ensemble (with suffix A-Z; minimum of one semester)	

Winds:

MUED 105	(Four semesters) or MUED 106	
MUED 358	Strings	
MUED 360	Percussion Techniques	
MUED 551	The Middle School Band	
MUED 552	The High School Band	
MUED 568	Organization and Administration of Music Programs	

Ensembles

MUSC 123	The Marching Band (minimum of one semester for bassoon and oboe, minimum of two semesters all other instruments)	
MUSC 124	Symphonic Winds (minimum of three semesters) or MUSC 133 Wind Ensemble	
MUSC 130	Ensemble (with suffix A-Z; minimum of one semester)	

Total Credit Hours 33**Performance Concentration (65-68 hours)****Foreign Language (0-3 hours)**

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Fine Arts Elective (3 hours)

- any non-music Carolina Core approved AIU course

Theory, History, and Literature Electives (6 hours)

Course	Title	Credits
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Select one Theory Elective from the courses below: 3

MUSC 312	Counterpoint	
MUSC 313	Twentieth-Century Techniques and Materials	
MUSC 315	Topics in Music Theory	
MUSC 319	Jazz Theory I	
MUSC 320	Jazz Theory II	
MUSC 515	Orchestration	
MUSC 518	Form and Analysis	
MUSC 525	Post-Tonal Music Theory	
MUSC 526	Analytical Studies	
MUSC 528	Seminar in Music Theory	

Students must complete the literature course(s) in applied area when available. Select two courses from the following: 6

MUSC 500	Topics in Performance and Literature	
MUSC 523	Techniques and Materials of Tonal Music	
MUSC 526	Analytical Studies	
MUSC 528	Seminar in Music Theory	
MUSC 543	Song Literature	
MUSC 544	Topics in Music History	
MUSC 545	Survey of the Opera	

MUSC 548	Orchestra Literature
MUSC 549	Survey of Chamber Music
MUSC 555	World Music
MUSC 557	American Music
MUSC 558	Piano Literature I
MUSC 559	Piano Literature II
MUSC 587	Repertories of Lute, Vihuela, and Guitar
Total Credit Hours	9

Applied Music Courses (32 hours)

Course	Title	Credits
MUSC 211	(16 hours, minimum of 4 semesters)	16
MUSC 400	Half Solo Recital	0
MUSC 401	Full Solo Recital	0
MUSC 411	(16 hours, minimum of 4 semesters)	16
Total Credit Hours		32

Note: The half solo recital is required in the junior year and a full solo recital is required in the senior year.

Ensembles (8 hours)

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Ensemble requirements are:

- **Guitar:** 2 major (usually choral), 6 guitar ensembles
- **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
- **Organ:** 4 major (usually choral), 4 accompanying
- **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
- **String:** 6 orchestra, 2 chamber ensembles
- **Voice:** 6 major, 2 opera workshop
- **Wind/Percussion:** 6 major 2 chamber ensembles

Concentration Electives (13 hours)

Any MUED or MUSC courses (other than MUSC 103, MUSC 104, MUSC 105, MUSC 110, MUSC 113, MUSC 140, MUSC 203). Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including MUED 155 & MUED 156, if needed. Students whose primary instrument is voice must complete MUSC 570, MUSC 578, and MUSC 579. Students whose primary instrument is piano must complete MUSC 573, MUSC 573L, MUSC 574, and MUSC 574L. Students whose primary instrument is guitar must complete MUSC 573 and MUSC 587.

Performance-Chamber Music Concentration (65-68 hours)

Course	Title	Credits
MUSC 592	21st Century Performer	3
Total Credit Hours		3

Music Theory Elective (3 hours)

Course	Title	Credits
Select one of the following:		3
MUSC 312	Counterpoint	
MUSC 313	Twentieth-Century Techniques and Materials	
MUSC 315	Topics in Music Theory	
MUSC 319	Jazz Theory I	
MUSC 320	Jazz Theory II	
MUSC 515	Orchestration	
MUSC 518	Form and Analysis	
MUSC 525	Post-Tonal Music Theory	
MUSC 526	Analytical Studies	
MUSC 528	Seminar in Music Theory	
Total Credit Hours		3

Chamber Music Elective (0-3 hours)

Course	Title	Credits
Select one of the following:		0-3
MUSC 130	Ensemble (with suffix A-Z; three hours)	
MUSC 580	Music & Arts Entrepreneurship	
MUSC 591	Music Leadership Practicum	
MUSC 593	Arts Marketing	
MUSC 594	Independent Music Teaching Business	
Total Credit Hours		0-3

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Applied Music Courses (32 hours)

Course	Title	Credits
MUSC 211	(16 hours, a minimum of 4 semesters)	16
MUSC 411	(16 hours, a minimum of 4 semesters)	16
MUSC 400	Half Solo Recital	0
MUSC 401	Full Solo Recital	0
MUSC 402	Innovation Recital	0
Total Credit Hours		32

Note: After advancing to the upper division of applied study, students will participate in an Innovation Recital. A half recital is required in the junior year, and will include program notes, a professional headshot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

Ensembles (11-14 hours)

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses

which qualify for the Chamber Music requirement include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Ensemble requirements are:

- **Guitar:** 2 major (usually choral), 6 guitar ensembles
- **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
- **Organ:** 4 major (usually choral), 4 accompanying
- **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
- **String:** 6 orchestra, 2 chamber ensembles
- **Voice:** 6 major, 2 opera workshop
- **Wind/Percussion:** 6 major 2 chamber ensembles
- MUSC 130 Ensemble with suffix A-Z (3-6 hours of additional chamber music)

Chamber Music Concentration Electives (13 hours)

Students must complete a minimum of 13 hours of music major electives, including MUSC 399 (2 credits) and MUED 155 & MUED 156, if needed. Students whose primary instrument is voice must complete MUSC 278, MUSC 577, and MUSC 543 or MUSC 545. Students whose primary instrument is piano must complete MUSC 573, MUSC 573L, and MUSC 558 or MUSC 559. Students must complete a pedagogy course in applied area when available.

Performance-Music Entrepreneurship Concentration (65-68 hours)

Course	Title	Credits
MUSC 580	Music & Arts Entrepreneurship	3
MUSC 582	Music and Money	3
MUSC 591	Music Leadership Practicum	3
Total Credit Hours		9

Music Entrepreneurship Elective (3 hours)

Course	Title	Credits
Select one of the following:		
MUSC 592	21st Century Performer	3
MUSC 593	Arts Marketing	3
MUSC 594	Independent Music Teaching Business	3
Total Credit Hours		3

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Applied Music Courses (32 hours)

Course	Title	Credits
MUSC 211	(16 hours, minimum of 4 semesters)	16
MUSC 411	(16 hours, minimum of 4 semesters)	16
MUSC 400	Half Solo Recital	0
MUSC 401	Full Solo Recital	0
MUSC 402	Innovation Recital	0
Total Credit Hours		32

Note: After advancing to the upper division of applied study, students will participate in an Innovation Recital. A half recital is required in the junior year, and will include program notes, a professional headshot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in

the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

Ensembles (8 hours)

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Ensemble requirements are:

- **Guitar:** 2 major (usually choral), 6 guitar ensembles
- **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
- **Organ:** 4 major (usually choral), 4 accompanying
- **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
- **String:** 6 orchestra, 2 chamber ensembles
- **Voice:** 6 major, 2 opera workshop
- **Wind/Percussion:** 6 major 2 chamber ensembles

Concentration Electives (13 hours)

Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including MUSC 399 (2 credits) and MUED 155 & MUED 156, if needed. Students whose primary instrument is voice must complete MUSC 570, MUSC 578, and MUSC 579. Students whose primary instrument is piano must complete MUSC 573, MUSC 573L, MUSC 574, and MUSC 574L. Students whose primary instrument is guitar must complete MUSC 573 and MUSC 587.

Performance-Music Technology Concentration (65-68 hours)

Course	Title	Credits
MUSC 336	Introduction to Computer Music	3
Total Credit Hours		3

Music Technology Electives (9 hours)

Course	Title	Credits
Select nine hours of the following:		
MUSC 365	An Introduction to Audio Recording Techniques	3
MUSC 540	Projects in Computer Music	3
MUSC 565	Advanced Audio Recording Techniques	3
MUSC 580	Music & Arts Entrepreneurship	3
Total Credit Hours		9

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Applied Music Courses (32 hours)

Course	Title	Credits
MUSC 211	(16 hours, minimum of 4 semesters)	16
MUSC 411	(16 hours, minimum of 4 semesters)	16
MUSC 400	Half Solo Recital	0

MUSC 401	Full Solo Recital	0
MUSC 402	Innovation Recital	0
Total Credit Hours		32

Note: After advancing to the upper division of applied study, students will participate in an Innovation Recital. A half recital is required in the junior year, and will include program notes, a professional headshot and short biography prepared by the student. A full recital involving a secondary focus is required in the senior year. A senior jury project is required in the non-recital semester of the senior year. The project will include high quality audio and video recordings as well as an electronic press kit.

Ensembles (8 hours)

Students are required to participate in the major ensemble most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor. Courses which qualify for the Chamber Music requirement include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard. Ensemble requirements are:

- **Guitar:** 2 major (usually choral), 6 guitar ensembles
- **Jazz:** 6 jazz ensembles, 2 major or minor jazz ensembles
- **Organ:** 4 major (usually choral), 4 accompanying
- **Piano:** 2 major, 2 accompanying, 2 chamber, 2 of choice
- **String:** 6 orchestra, 2 chamber ensembles
- **Voice:** 6 major, 2 opera workshop
- **Wind/Percussion:** 6 major 2 chamber ensembles

Concentration Electives (13 hours)

Students must complete a pedagogy course in applied area when available. Students must complete a minimum of 13 hours of music major electives, including MUSC 399 (2 credits) and MUED 155 & MUED 156, if needed. Students whose primary instrument is voice must complete MUSC 570, MUSC 578, and MUSC 579. Students whose primary instrument is piano must complete MUSC 573, MUSC 573L, MUSC 574, and MUSC 574L. Students whose primary instrument is guitar must complete MUSC 573 and MUSC 587.

Theory Concentration (65-68 hours)

Course	Title	Credits
MUSC 312	Counterpoint	3
MUSC 313	Twentieth-Century Techniques and Materials	3
or MUSC 525	Post-Tonal Music Theory	
MUSC 316	Music Composition I	3
MUSC 518	Form and Analysis	3
Select 3 courses from the following:		9
MUSC 313	Twentieth-Century Techniques and Materials	
or MUSC 525	Post-Tonal Music Theory	
MUSC 315	Topics in Music Theory	
MUSC 319	Jazz Theory I	
MUSC 320	Jazz Theory II	
MUSC 515	Orchestration	
MUSC 526	Analytical Studies	

MUSC 528	Seminar in Music Theory	
Total Credit Hours		21

Foreign Language (0-3 hours)

- Demonstration of proficiency in one foreign language equivalent to the minimum passing grade on the exit examination in the 122 course is required for this concentration, if not already met through Carolina Core or the foreign language placement exam.

Fine Arts Elective (3 hours)

- any non-music Carolina Core approved AIU course

Music History and Literature Elective (6 hours)

Course	Title	Credits
Select two of the following:		6
MUSC 543	Song Literature	
MUSC 544	Topics in Music History	
MUSC 545	Survey of the Opera	
MUSC 548	Orchestra Literature	
MUSC 549	Survey of Chamber Music	
MUSC 555	World Music	
MUSC 557	American Music	
MUSC 558	Piano Literature I	
MUSC 559	Piano Literature II	
MUSC 587	Repertories of Lute, Vihuela, and Guitar	

Technology Elective (6 hours)

Course	Title	Credits
Select one of the following:		6
MUSC 336	Introduction to Computer Music	
MUSC 365	An Introduction to Audio Recording Techniques	
MUSC 540	Projects in Computer Music	
MUSC 565	Advanced Audio Recording Techniques	
MUSC 571	Digital Audio Technology	

Total Credit Hours		6
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Applied Music Courses (12 hours)

Applied Music must be completed satisfactorily for a minimum of six semesters & 12 hours of credit.

Course	Title	Credits
MUSC 111	(8 hours, minimum of four semesters)	8
or MUSC 211		
MUSC 311	(4 hours, minimum of two semesters)	4
or MUSC 411		

Total Credit Hours		12
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Ensembles (8 hours)

Students are required to participate in the major ensemble (6-7 semesters/hours) most closely related to their primary instrument. Students must declare a primary instrument upon acceptance into the program. The major ensembles are: Marching Band, Symphonic Winds, Wind Ensemble, University Orchestra, Concert Choir, and University Chorus. Some ensembles require an audition for membership. Regulations for attendance at ensemble rehearsals & performances are different from regulations for class attendance. Members of ensembles are expected to be present at every rehearsal & performance, unless excused by the conductor.

Courses which qualify for the Chamber Music requirement (1-2 semesters/hours) include all MUSC 130 courses with a suffix of A-Z and topics in: Voice, String, Percussion, Wind, Guitar, and Keyboard.

Concentration Electives (9 hours)

Any MUED or MUSC courses (other than MUSC 103, MUSC 104, MUSC 105, MUSC 110, MUSC 113, MUSC 140, MUSC 203). Students must complete a minimum of 9 hours of music major electives, including MUED 155 & MUED 156, if needed.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Music, B.M. Composition Concentration

Music, B.M. Jazz Studies Concentration

Music, B.M. Music Education-Choral Concentration

Music, B.M. Music Education-Instrumental (Percussion) Concentration

Music, B.M. Music Education-Instrumental (Strings) Concentration

Music, B.M. Music Education-Instrumental (Winds) Concentration

Music, B.M. Performance Concentration

Music, B.M. Performance-Chamber Music Concentration

Music, B.M. Performance-Music Entrepreneurship Concentration

Music, B.M. Performance-Music Technology Concentration

Music, B.M. Theory Concentration

COLLEGE OF NURSING

Department Website (<http://www.sc.edu/nursing/>)

Jeannette O. Andrews, *Dean*

Alicia K. Ribar, *Associate Dean for Academics and Ph.D. Graduate Director*

Sheryl Mitchell, *Assistant Dean for Graduate Studies and MSN, CGS, DNP Graduate Director*

Karen Worthy, *Assistant Dean for Undergraduate Studies*

Bernardine Pinto, *Associate Dean for Research*

Coretta M. Jenerette, *Associate Dean for Diversity, Equity, and Inclusivity*

Joy P. Deupree, *Associate Dean for Practice Innovation, Partnerships & Policy*

Baccalaureate Degree Program

The College of Nursing offers a four-year undergraduate program on the Columbia campus leading to the degree of Bachelor of Science in Nursing (pre-licensure) and a post-licensure RN-BSN program. *The baccalaureate degree programs in nursing at the University of South Carolina are accredited by the Commission on Collegiate Nursing Education (<https://www.aacnursing.org/CCNE/>) by the State Board of Nursing for South Carolina.*

Progression Requirements

BSN in Nursing Generic (Pre-Licensure) Program

Lower Division

All students in the lower division in the baccalaureate program are subject to the following regulations:

1. Students must maintain a minimum 3.000 institutional GPA in order to maintain good standing in the nursing program. Grades are reviewed at the end of each semester. Students who have less than a 3.000 institutional GPA are placed on probation within the college for one major semester or 12 credit hours but may continue to take all required courses. If at the end of the probationary semester their institutional GPA is still less than a 3.000, students must change their major before the next semester and will not be advised by the College of Nursing. Students must contact the University Advising Center.
2. All incomplete grades posted on the transcript must be removed before progression into the upper division can be considered.
3. Students must earn a minimum grade of **C** in all required courses in the nursing program. Only one below **C** grade is allowed in a required science or nursing (NURS) course to remain eligible for the nursing major. Any science course that needs to be repeated must be taken within the UofSC System. All nursing courses that need to be repeated must be taken at UofSC Columbia.

Upper Division

Progression into upper division nursing for pre-licensure students occurs in the summer and fall. Students should be prepared to start upper division in a summer term. There is no guarantee that students will get placed in their term of preference. In addition, students are encouraged to look into their financial aid/scholarship/funding sources in preparation for their upper division start. Fifty percent of admitted students will be placed into the summer cohort. Fifty percent of admitted students will be placed into the fall cohort.

Once selection has been made there will be no changes to the cohorts. GPA standing does not guarantee placement in your term of preference. Students who wish to apply to upper division nursing must have a completed parallel plan on file with their nursing advisor and submit a completed College of Nursing Progression Application by the stated fall application process for the following summer or fall semester in which registration is desired. In addition, students must also complete an interview/essay as part of their application. Progression is competitive, based on progression GPA and interview/essay. Progression to upper division is limited to a set number of qualified students based on available clinical faculty and placement sites. Factors considered in the progression decision include:

1. A minimum institutional grade point average of 3.000 or better.
2. A grade of **C** or better in all required courses in the nursing program.
3. Progression GPA which includes grades on all attempts of designated courses listed on the BSN major map.
4. Interview and/or essay evaluation.

Note: all applicants will complete the same evaluation metrics.

Students must have a completed application on file, provide evidence of successful completion of remaining lower division coursework, be admitted to the upper division, have completed all required clinical healthcare information, and confirmed acceptance of their seat prior to registering for their first upper division nursing courses (300 level).

A minimum grade of **C** is required in each nursing course. Only one upper division nursing course may be repeated once to earn a grade of **C** or better to remain eligible for the nursing major. All students must maintain a minimum 3.000 institutional GPA in order to maintain good standing in the nursing program. Grades are reviewed at the end of each semester. Students who have less than a 3.000 institutional GPA in all coursework are placed on probation within the college for one semester but may continue to take all required courses. If at the end of the probationary semester their institutional GPA is still less than 3.000, students are administratively removed from the nursing major.

All students must achieve satisfactory performance on selected comprehensive achievement tests to progress through the upper division.

Smart Start Nursing Program students should see previous section for progression requirements.

RN-BSN Program

Students must apply directly to the RN-BSN program for admission to the university. Admission is competitive, based on GPA, RN licensure, and degree completion from an ACEN accredited institution. Other admission requirements are discussed in the previous section.

Only one upper division nursing course may be repeated once to earn a grade of **C** or better to remain eligible for the nursing major. A minimum grade of **C** is required in all other nursing courses. All students must maintain a minimum 3.000 institutional GPA in order to maintain good standing in the nursing program. Grades are reviewed at the end of each semester. Students who have less than

a 3.000 institutional GPA are placed on probation within the college for one semester but may continue to take all required courses. If at the end of the probationary semester their institutional GPA is still less than 3.000, students are administratively removed from the RN-BSN program.

Attendance Requirements

The College of Nursing adheres to the University's attendance policy for classroom didactic instruction: "Absence from more than 15 percent of the scheduled hours that a class meets for instructional purposes is excessive, and the instructor may choose to exact a grade penalty for absences beyond this threshold. Faculty members are not required to track students who miss only part of a class session; tardy arrival to (or early departure from) a class meeting may be counted as absence for the entire class duration. Make-up time for missed clinical nursing experiences will be determined at the discretion of the faculty and availability of clinical facilities. Faculty may require withdrawal of any student who has missed sufficient practice to prevent completion of clinical objectives.

RN-BSN students must also comply with the attendance policy. Attendance is evaluated based on active engagement in the online classroom. RN-BSN students are required to attend a face-to-face clinical capstone experience at an approved clinical site in their local community or Columbia, SC.

Other Regulations

Readmission

A student who has been suspended or has withdrawn from the College of Nursing and subsequently readmitted will be subject to the current College of Nursing academic standards and available space in courses.

Waiver of academic standards

Any student seeking relief from academic standards shall petition the College of Nursing to waive specific standards or regulations. Information on procedures may be obtained from the College of Nursing Office of Academic Affairs.

Grade Forgiveness

Grade forgiveness does not apply to GPA calculation for admission to upper division in the nursing program. Any forgiveness grades will be reentered into the GPA calculations. The College of Nursing does not recognize grade forgiveness in determination of College of Nursing academic standing. This policy also applies to the RN-BSN degree program.

University Grade Forgiveness Policy (http://www.sc.edu/about/offices_and_divisions/registrar/transcripts_and_records/grade_forgiveness/)

Clinical Health Requirements

In addition to the regulations of the University as a whole, the following requirements apply to students in the nursing program. Please also refer to the College of Nursing BSN Handbook for specific requirements.

Information on all clinical requirements is available in the College of Nursing Office of Academic Affairs. Current clinical health information must be on file with approved vendor by specified deadlines. Admission and matriculation into the upper division

in the College of Nursing is contingent on successfully passing a drug screen and background check in addition to other clinical requirements. Students are not eligible to register for classes and cannot participate in practice activities at clinical sites until this information is on file. Students are encouraged to have health insurance coverage throughout the course of their studies.

Special Requirements and Associated Expenses

Students enrolled in nursing courses with a lab or practicum must carry professional liability insurance purchased in conjunction with the courses; one-time expenses include nursing uniforms and clinical equipment and supplies. Maintenance of current CPR certification during enrollment in clinical courses is required. All students shall complete selected achievement tests, primarily in the upper division, and an NCLEX review course during the final semester.

Transportation to clinical practice sites

Each student should have a valid driver's license and is responsible for transportation to and from hospitals and other clinical practice sites in both urban and rural areas. Sites used for clinical experiences are usually confined to the eleven-county Greater Midlands area of the state.

Application for Licensure in Professional Nursing

Prior to completion of the second semester of the senior year, students are expected to apply for the professional nursing licensing examination, which is administered by the State Board of Nursing for South Carolina or its counterpart in the jurisdiction where the student will seek initial employment after graduation. Students in the College of Nursing are also bound to conduct themselves according to the professional standards set forth by the American Nurses Association Code for Nurses. Conviction of a crime other than a minor traffic violation could result in ineligibility for professional licensure. Under these circumstances, early notification to the Board of Nursing is recommended to clarify mechanisms related to eligibility determination.

Curriculum

BSN in Nursing Generic (Pre-Licensure)

The baccalaureate curriculum provides for eight semesters of study in general education and professional nursing. Upon admission, students are assigned an advisor to guide planning throughout the program. Students should obtain guidance in the selection of courses as early as possible.

Computer skills are required throughout the curriculum. Skills required for class assignments and clinical practice include: word processing, computerized assisted instruction, e-mail, Web access, Internet searches, database searches, computerized patient documentation, and computerized medical equipment.

The upper division focuses on clinical practice and requires **full-time study**. Clinical practice is supported by concurrent classroom study. Students practice in a variety of settings such as hospitals, extended-care facilities, nursing homes, clinics, schools, and other community agencies.

The Bachelor of Science in Nursing degree requires a minimum of 120 hours. These credits are distributed between general education requirements and electives, and professional nursing requirements.

All lower division requirements must be completed before progressing to upper division courses. Upper division courses must be taken in sequence as outlined in the Undergraduate Student Handbook.

RN-BSN Program (Post-Licensure)

The Bachelor of Science in Nursing degree (RN-BSN Completion) requires a minimum of 120 hours. These credits are distributed between general education requirements and electives, and professional nursing requirements. Lower division pre-requisite course requirements can be completed before progressing to upper division RN-BSN courses.

After admission to the RN-BSN program and completion of all BSN degree requirements: Students awarded an Associate Degree in Nursing (ADN) from an accredited (ACEN, formerly NLNAC) program or Students with an Diploma in Nursing from an accredited (ACEN, formerly NLNAC) program will be awarded up to 38 credits towards meeting educational competencies for their degree (RN Licensure). Number of credits awarded will be determined after careful review of student transcript and program of study degree requirements (RN Licensure). Additional coursework may be needed to satisfy outstanding credits not met by ADN or Diploma degree.

Education competency credits are held and will be awarded upon successful completion of all BSN degree requirements.

UofSC Residency requirements for BSN Graduation:

The last 25% of a students' degree must be completed in residence (meaning through UofSC Columbia coursework or other UofSC campus), and at least half of the hours in the student's major and minor courses (if applicable) must be taken at the University, i.e. (120 credits = 30 hours). Advanced placement exam credits or transfer credits do not meet this requirement. Students must meet these requirements to be eligible for BSN graduation.

Nursing-Generic, B.S.N.

Learning Outcomes

- Provide evidence-based, culturally sensitive, clinically competent care across the continuum of care.
- Use information and health care technologies to assist in making clinical judgments using reflection, critical thinking, and problem-solving skills for effective health care delivery.
- Exhibit professional behavior while working as a member of an interprofessional healthcare team and in all other settings.
- Perform the professional roles of care provider, care coordinator, leader, member of a profession, and life-long learner.

Admissions

Entrance Requirements

BSN Program (Pre-Licensure)

Lower Division

In order to be admitted into the College of Nursing, freshmen must meet all University and College of Nursing admission requirements. Acceptance into the University with a lower division classification does not guarantee progression into the upper division nursing major. Students who consider studying nursing at Carolina need to be aware that all UofSC undergraduates who seek a nursing degree are first admitted into the College of Nursing's pre-nursing lower division. This does not

guarantee later admission into the upper division.¹ Students enrolled in the lower division must meet minimum upper division admission standards set forth by the College of Nursing. Once minimum criteria are met, all qualified applicants are placed into an applicant group and are evaluated, using the same criteria, by their progression grade point averages and essay and/or interview criterion for a total evaluation metric. Based on the number of available seats and available clinical sites, students are admitted based on results of the total evaluation metrics. In recent years admission to the upper division has become highly competitive as demand for the program of study has increased and therefore, the average evaluation metrics will change from cohort to cohort.

To be considered for admission into pre-nursing lower division of the BSN in Nursing generic (pre-licensure) program, transfer students must have a minimum 3.400 overall GPA in their college level coursework. In addition, any below C grades in nursing or science courses will eliminate you from consideration. See major specific transfer information on the admissions website.

NURS courses will not be accepted for transfer to the BSN in Nursing generic (pre-licensure).

To be eligible to apply for the upper division, transfer students must meet the College of Nursing requirements for progression through completion of the lower division science and nursing courses. All entering students are expected to have basic computer skills.

Effective Fall 2020 and After:

- Prerequisite BSN science courses must be completed within 7 years of starting upper division coursework, or 8 years if have continuous fall/spring higher education enrollment. Every attempt at science courses within the last 7 years will be included in progression GPA calculation, or 8 years if have continuous fall/spring higher education enrollment.
- Once a student has begun upper division coursework, they must complete the BSN degree within 5 years.
- Every attempt at science courses within the last 7 years will be included in the progression GPA calculation.

Smart Start Program

¹Students entering the university and meeting South Carolina Honors College (SCHC) admission criteria have a one-time opportunity, at the point of freshman admission only, to enroll in the Smart Start Nursing Program, a partnership between the College of Nursing and the South Carolina Honors College. Students admitted into Smart Start are directly admitted into Upper Division of the Nursing Program contingent upon meeting all SCHC and College of Nursing academic standards criteria and completion of all upper division application progression requirements.

Smart Start students who are not successful with meeting upper division application requirements will lose their direct admit status but will remain eligible for admission under the competitive upper division admissions process.

RN-BSN Program (Post-Licensure)

In order to be eligible for the RN-BSN program, students must meet all the admission requirements of the College of Nursing and University. Specific RN-BSN program admission requirements are as follows:

- An Associate Degree in Nursing or Diploma in Nursing from an accredited ACEN (formerly NLNAC) program
- Official Transcripts from all schools attended

- Application
- Application Fee
- English Proficiency Requirement¹
- Other Supporting Materials - Criminal Background check and drug screen
- Current unrestricted Registered Nurse (RN) license to practice professional nursing in the United States
- Minimum Nursing (Previous Associate or Diploma) Degree GPA of 3.000²

¹ International applicants must be proficient in the English language. A score of 550 or above on the paper version of the TOEFL (Test of English as a Foreign Language) is required. (A score of 210 or higher on the computerized version is required, and a minimum score of 77 on the Internet version is required.) TOEFL scores are not required for international students from countries where the primary language of instruction is English nor from graduates of high schools in the United States.

² Students with a life GPA between 2.8 - 2.99 may be conditionally admitted, provided they have not completed more than 120 hours of prior collegiate coursework and have met all other admission requirements.

Degree Requirements (120 hours)

See College of Nursing (p. 500) for progression requirements and other regulations.

Program of Study

all degree requirements must be passed with a grade of C or higher

Requirements	Credit Hours
1. Carolina Core	31-37
2. College Requirements	7
3. Program Requirements	11-15
4. Major Requirements	67

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-37 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

- STAT 205 and
- STAT 112, or CSCE 101 or CSCE 102

SCI – Scientific Literacy (7 hours)

- CHEM 102
- BIOL 206

Note: CHEM 102 is a pre-requisite course for nursing courses.

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstrate proficiency in a foreign language by achieving a score of two or higher on the Foreign Language Placement Test or by completing one Foreign Language through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- PHIL 213

INF – Information Literacy¹ (0-3 hours)

- Fulfilled through STAT 112/ENGL 102, overlay courses with ARP/CMW

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- Fulfilled through PHIL 213, an overlay course with CMS

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (7 hours)

- BIOL 250 & BIOL 250L
- PSYC 420

3. Program Requirements (11-15 hours)

Supporting Courses (11 hours)

Course	Title	Credits
BIOL 243 & 243L	Human Anatomy and Physiology I and Human Anatomy and Physiology Laboratory	4
BIOL 244 & 244L	Human Anatomy and Physiology II and Human Anatomy and Physiology Laboratory	4
SOCY 101	Introductory Sociology	3
Total Credit Hours		11

Electives (0-4 hours)

As needed to meet minimum 120 hours required for graduation.

4. Major Requirements (67 hours)

Major Courses (67 hours)

Course	Title	Credits
Lower Division Courses ¹		
NURS 112	Introduction to Nursing as a Profession	2
NURS 208	Introduction to Nursing Informatics	2
NURS 216	Biophysical Pathology	3
NURS 220	Clinical Nutrition	3
Upper Division Courses		
NURS 311	Introduction to Health Assessment	3
NURS 312	Foundations of Nursing Practice	5
NURS 313	Nursing Care of the Older Adult	3
NURS 314	Clinical Reasoning in Nursing Practice	2
NURS 324	Chemical Therapeutics	3
NURS 400	Evidence-based Nursing Practice	3
NURS 411	Psychiatric/Mental Health Nursing	4
NURS 412	Acute Care Nursing of Adults I	5
NURS 422	Acute Care Nursing of Adults II	5
NURS 424	Maternal/Newborn Nursing	4
NURS 425	Nursing of Children and Families	4
NURS 428	Nursing Leadership and Management	4
NURS 431	Population Health Nursing	4
NURS 435	Senior Nursing Capstone Practicum	8

¹ All lower division courses must be successfully completed before progression to the upper division.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Nursing-Generic, B.S.N.

Nursing-R.N., B.S.N.

Learning Outcomes

- Synthesize the knowledge and skills needed to begin professional nursing practice.
- Demonstrate cultural awareness, sensitivity, and competency in providing nursing care to individuals, families and groups within a diverse society.
- Make clinical judgments using reflection, critical thinking, and problem-solving skills.
- Use information and health care technologies for effective health care delivery.
- Exhibit professional behavior in all professional activities.
- Perform health promotion, risk reduction, and disease prevention care with their clients/patients.
- Work effectively as a member of the interdisciplinary health care team.
- Assume leadership roles within the scope of professional practice.

Admissions

RN-BSN Program (Post-Licensure)

In order to be eligible for the RN-BSN program, students must meet all the admission requirements of the College of Nursing and University. Specific RN-BSN program admission requirements are as follows:

- An Associate Degree in Nursing or Diploma in Nursing from an accredited ACEN (formerly NLNAC) program
- Official Transcripts from all schools attended
- Application
- Application Fee
- English Proficiency Requirement¹
- Other Supporting Materials - Criminal Background check and drug screen
- Current unrestricted Registered Nurse (RN) license to practice professional nursing in the United States
- Minimum Nursing (Previous Associate or Diploma) Degree GPA of 3.000²

¹ International applicants must be proficient in the English language. A score of 550 or above on the paper version of the TOEFL (Test of English as a Foreign Language) is required. (A score of 210 or higher on the computerized version is required, and a minimum score of 77 on the Internet version is required.) TOEFL scores are not required for international students from countries where the primary language of instruction is English nor from graduates of high schools in the United States.

² Students with a life GPA between 2.8 - 2.99 may be conditionally admitted, provided they have not completed more than 120 hours of prior collegiate coursework and have met all other admission requirements.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	7

3. Program Requirements 38-50

4. Major Requirements 28

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

- STAT 112
- STAT 205

Note: May substitute for STAT 201 for STAT 205.

SCI – Scientific Literacy (8 hours)

- BIOL 243¹
- BIOL 243L¹
- BIOL 244¹
- BIOL 244L¹

¹ Pre-requisite course for nursing courses.

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstrate proficiency in a foreign language by achieving a score of two or higher on the Foreign Language Placement Test or by completing one Foreign Language through 110 or 121.

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (7 hours)

Must be passed with a grade of C or higher.

Course	Title	Credits
BIOL 250	Microbiology	3
BIOL 250L	Microbiology Laboratory	1
PSYC 420	Survey of Developmental Psychology	3
Total Credit Hours		7

3. Program Requirements (38-50 hours)

Supporting Course (3 hours)

Course	Title	Credits
SOCY 101	Introductory Sociology	3
Total Credit Hours		3

Licensure Exam Credit (up to 38 hours)

After admission to the RN-BSN program and completion of all BSN degree requirements: Students awarded an Associate Degree in Nursing (ADN) from an accredited (ACEN, formerly NLNAC) program or Students with a Diploma in Nursing from an accredited (ACEN, formerly NLNAC) program will be awarded up to 38 credits towards meeting educational competencies for their degree (RN Licensure). Number of credits awarded will be determined after careful review of the student transcript and program of study requirements (RN Licensure). Additional coursework may be needed to satisfy outstanding credits not met by ADN or Diploma degree. Education competency credits are held and will be awarded upon successful completion of all BSN degree requirements.

Electives (0-12 hours)

As needed to meet minimum 120 hours required for graduation. More than 12 hours may be required depending upon credit given for Licensure Exam.

4. Major Requirements (28 hours)

A minimum grade of C is required in all major courses.

Major Courses (28-29 hours)

Course	Title	Credits
Upper Division Courses ¹		
NURS 250	Nursing Science in Professional Practice	3
NURS 309	Nursing Health Assessment	3
NURS 313	Nursing Care of the Older Adult	3
NURS 318	Application of Pathophysiology and Pharmacology in Nursing	3
NURS 400	Evidence-based Nursing Practice	3
NURS 420	Emerging Issues in Health Care	3
NURS 428	Nursing Leadership and Management	4
NURS 431	Population Health Nursing	3-4
NURS 434	Community-Based Clinical Practicum for RNs	3
Total Credit Hours		28-29

¹ Courses are offered in 7-week blocks in an online format

USC Residency Requirements for BSN Graduation

The last 25% of a student's degree must be completed in residence (meaning through USC Columbia coursework or other USC campus), and at least half of the hours in the student's major and minor courses (if applicable) must be taken at the University, i.e. 122 credits = 31 hours. Advanced placement exam credits or transfer credits do not meet this requirement. Students must meet these requirements to be eligible for BSN graduation.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Nursing-R.N., B.S.N.

COLLEGE OF PHARMACY

Department Website (https://www.sc.edu/study/colleges_schools/pharmacy/)

Stephen Cutler, Dean, *University of South Carolina College of Pharmacy*
Julie M. Sease, *Senior Associate Dean*
Amy Grant, *Associate Dean for Student Affairs and Diversity*

Degree Offered

Pre-Pharmacy students at the University of South Carolina will complete prerequisite (Pre-pharmacy curriculum) studies in order to prepare them for entry into a Doctor of Pharmacy (PharmD) program. Pre-Pharmacy at the University of South Carolina is not a degree-seeking major, but instead a course of study to meet the pre-requisites for entry into a PharmD program. Please refer to the USC College of Pharmacy Bulletin website (http://www.sc.edu/study/colleges_schools/pharmacy/) for professional school information. The professional PharmD degree requires six academic years.

Pharmaceutical Sciences, B.S.

The B.S. in Pharmaceutical Sciences is a major designed for students who intend to pursue the Doctor of Pharmacy (Pharm.D.) at the USC College of Pharmacy. Students must be accepted into the Pharm.D. program at the USC College of Pharmacy their junior or senior year to meet the requirements for the B.S. in Pharmaceutical Sciences.

The B.S. in Pharmaceutical Sciences is awarded at the end of the spring semester of the second year in the Pharm.D. program.

Click here (http://sc.edu/study/colleges_schools/pharmacy/application_process/pharm_d_applicants/admission_requirements/) for admissions requirements for the Doctor of Pharmacy (Pharm.D.) program.

The sequencing of the required math and science courses is particularly important for ensuring that all prerequisites can be completed before entering the Pharm.D. program.

Admissions

In addition to the general requirements for admission to the University, all students admitted to the Pre-Pharmacy and/or professional pharmacy program must meet the following specialized requirements of the College of Pharmacy:

Pre-Pharmacy

Any entering freshman student who wishes to pursue a pharmacy degree and who fulfills general requirements for admission to the University will be accepted into the pharmaceutical sciences (pre-pharmacy) program of study. Pre-pharmacy students within the University will be advised by pre-pharmacy advisors.

Grade Requirement

All courses in the pre-pharmacy curriculum must be passed with a grade of C or better.

Academic Standing

All pre-pharmacy students are subject to the same regulations regarding scholastic deficiency and academic suspension as defined for undergraduate students by the University.

Other Regulations

Any student seeking an exception to the academic standards may petition the College of Pharmacy; a petition may be approved or denied based on the merits of the individual situation. Information on procedures may be obtained from the Office of the Dean.

Transfer Admission (Pre-Pharmacy)

1. Students enrolled in other colleges on the Columbia campus must have a minimum cumulative GPA of 3.00 and must have at least 12 USC credit hours.
2. Students from other USC campuses must have a cumulative GPA of 3.00 and must have taken at least 12 USC credit hours. Additionally, students from other USC campuses who have fewer than 30 semester hours must also meet Columbia campus freshman admission requirements.
3. Transfer students from other accredited institutions must present a minimum cumulative GPA of 3.00 on all college work taken. Students who have fewer than 30 semester hours of college work must also meet Columbia campus freshman admission requirements.

Degree Requirements (minimum 128 hours)

The Pre-Pharmacy work must total at least 66 hours.

Program of Study

all degree requirements must be passed with a grade of C or higher

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	0
3. Program Requirements	31-34
4. Major Requirements	62

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-7 hours)

- MATH 122 or MATH 141
- STAT 201 or STAT 205

SCI – Scientific Literacy (7 hours)

- BIOL 101 & BIOL 101L
- CHEM 111

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstrate proficiency in a foreign language by achieving a score of two or higher on the foreign language placement test. Students who do not score at least a two must either take 109/110 sequence of SPAN, FREN, GERM, or LATN or ARAB, CHIN, GREK, ITAL, JAPA, PORT, or RUSS 121. If both 109 and 110 are required, foreign language sequences typically begin in the Fall semesters. (American Sign Language does not count toward the foreign language requirement).

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- PSYC 101

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any CC-CMS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** — Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program.

3. Program Requirements (31-34 hours)**Supporting Courses (31 hours)****Additional Pre-Pharmacy Requirements**

Course	Title	Credits
BIOL 102 & 102L	Biological Principles II and Biological Principles II Laboratory	4
BIOL 243	Human Anatomy and Physiology I	3
BIOL 244	Human Anatomy and Physiology II	3
BIOL 250	Microbiology	3
CHEM 111L	General Chemistry I Lab	1
CHEM 112 & 112L	General Chemistry II and General Chemistry II Lab	4
CHEM 331L	Essentials of Organic Chemistry Laboratory I	1
CHEM 332L	Essentials of Organic Chemistry Laboratory II	1
CHEM 333	Organic Chemistry I	3
CHEM 334	Organic Chemistry II	3
PHYS 201	General Physics I	3
ECON 224	Introduction to Economics	3

Total Credit Hours **32**

Note: Students may substitute ECON 224 with ECON 221 or ECON 222.

Electives (0-3 hours)

An elective course will be needed if the Pre-Pharmacy hours total is less than 66.

4. Major Requirements (62 hours)**Professional Requirements**

The final 62 credit hours required for the BS in Pharmaceutical Sciences degree are earned after admission to the USC College of Pharmacy and during the first two years of the professional Doctor of Pharmacy (PharmD) program.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Pharmaceutical Sciences, B.S.

COLLEGE OF SOCIAL WORK

Department Website (<http://www.cosw.sc.edu/>)

Teri Browne, *Interim Dean, Interim Dean*

Terry Wolfer, *Interim Associate Dean for Curriculum*

Ben Roth, *Interim Associate Dean for Diversity, Equity, & Inclusion*

Aidyn Iachini, *Interim Associate Dean for Faculty and Research*

Sonya Singleton, *Assistant Dean for Students*

Sudie Nallo, *Interim BSW Program Coordinator*

Melissa Reitmeier, *Director of Field Education*

Overview

The College of Social Work offers a four-year undergraduate program on the Columbia campus leading to a Bachelor of Social Work (BSW). This BSW program is fully accredited by the Council on Social Work Education (CSWE). Additionally, the College of Social Work offers a minor in Social Work.

Social Work Minor

A minor in social work will give you insight into helping people enhance their well-being. Learning social work theories and principles can help you make a difference, whether your primary studies are in education, the health sciences or another area.

The social work minor is open to undergraduate students at the University of South Carolina and introduces you to the knowledge, values and skills of social work. In addition, you may use the social work minor in collaboration with several majors to enhance career opportunities and serve as preparation for graduate study.

Minor Requirements (18 hours)

Required Courses

You must complete 18 hours of coursework to earn a minor in social work — six hours of required coursework and 12 hours of electives.

The two required courses are:

Course	Title	Credits
SOWK 201	Introduction to Social Work	3
SOWK 222	Social Welfare Policies and Programs	3

Minor Electives

You must complete 12 credit hours in courses such as the following:

Course	Title	Credits
SOWK 303	Social Work With Children, Youth, and Families	
SOWK 304	Social Work With Older Adults and Families	
SOWK 305	Gender, Race and Social Justice	
SOWK 307	Global Inequalities and Social Justice	
SOWK 309	Life Transitions: Loss and Grief	
SOWK 322	Social Policy Analysis	
SOWK 331	Diversity and Social Justice in Contemporary Society	
SOWK 341	Theories for Understanding Individuals, Families, and Groups	
SOWK 352	Social Work and Scientific Inquiry	

SOWK 360	Refuge and Refugees
SOWK 399	Independent Study
SOWK 404	Current Issues in Social Welfare

Total Credit Hours 0

Please visit the Social Work Minor website (https://www.sc.edu/study/colleges_schools/socialwork/study/minor_in_social_work/) for more information.

Social Work, B.S.W.

Overview

The College of Social Work offers a four-year undergraduate program on the Columbia campus leading to a Bachelor of Social Work (BSW). This BSW program has been fully accredited by the Council of Social Work Education (CSWE) since 2012.

The Mission of the BSW Program

The mission of the BSW program is to prepare graduates to become competent and ethical generalist practitioners who promote social and economic justice, social well-being, and an appreciation of diversity among vulnerable populations across South Carolina and beyond. This is accomplished through the program's emphasis on teaching, research, creative activity, and community engagement.

Learning Outcomes

- Graduates will engage individuals families groups organizations and communities. Graduates will be able to: Apply knowledge of human behavior and the social environment and other multidisciplinary frameworks to engage with Use empathy & reflection and interpersonal skills to effectively engage diverse clients.
- Graduates will intervene with individuals families groups organizations and communities. Graduates will be able to critically choose and implement interventions to achieve practice goals apply knowledge of human behavior and the social environment and other multidisciplinary frameworks in interventions.
- Graduates will assess individuals families groups organizations and communities. Graduates will be able to: Apply knowledge of human behavior and the social environment and other multidisciplinary frameworks in the analysis of assessment data. Develop mutually agreed upon goals and objectives based on the critical assessment of strengths needs and challenges. Select appropriate intervention strategies based on the assessment.
- Graduates will demonstrate ethical and professional behavior. Graduates will be able to: Make ethical decisions by using the standards of the NASW Code of Ethics and other models for ethical decision making. Use reflection and self-regulation to manage personal values and maintain professionalism. Demonstrate professional demeanor in behavior appearance and communication. Use supervision and consultation to guide professional judgment and behavior.
- Graduates will engage diversity and difference in practice. Graduates will be able to: Apply and communicate the importance of diversity and difference in shaping life experiences. Present themselves as learners and engage clients and constituencies as experts of their own experiences. Apply self-awareness and self-regulation to manage the influences of personal biases.
- Graduates will engage in research-informed practice and practice-informed research. Graduates will be able to: Use practice experience and theory to inform scientific inquiry. Apply critical thinking to

engage in analysis of quantitative and qualitative research methods. Use and translate research evidence to inform and improve practice.

- Graduates will engage in policy practice. Graduates will be able to: Identify social policy that impacts social well-being service delivery and access to social services. Apply critical thinking to analyze and advocate for policies that advance human rights and social and economic justice.
- Graduates will advance human rights and social economic and environmental justice. Graduates will be able to: Apply their understanding of social economic and environmental justice to advocate for human rights. Engage in practices that advance social economic and environmental justice.
- Graduates will apply critical thinking to evaluate social work practice. Graduates will be able to: Select and use appropriate methods for evaluation. Apply knowledge of human behavior and the social environment and other multidisciplinary frameworks to evaluate outcomes. Critically analyze monitor and evaluate intervention and program processes and outcomes. Apply evaluation findings to improve practice effectiveness.

Attendance Requirements

Students are subject to attendance regulations of the University (p. 763) as described in the University of South Carolina Undergraduate Bulletin. In addition, students are expected to attend all required orientations and advisement sessions so they are prepared for all social work courses, including field education courses. Concerns related to attendance are addressed in BSW course syllabi and the field education manual.

Readmission

A student who has been suspended or who has withdrawn from the BSW Program and subsequently readmitted will be subject to the current academic standards of the University and the BSW Program.

Credit for Life Experience

In accordance with the mandates of the Council on Social Work Education, no credit is given for life experiences. Students will not receive academic credit for life experience or previous volunteer, service learning activities or assignments, or work experience in social work.

Academic credit will not be granted for life experience or previous work experience, and such experience will not be substituted for any of the courses in the professional foundation areas or the field practicum.

Transfer of Credit

Although the University's Office of Undergraduate Admissions may grant students semester hours for transfer credit, the BSW Program will determine whether the course meets the requirements of the BSW degree in the College of Social Work. Transfer credits for field education and practice courses must be from a program accredited by the Council on Social Work Education (CSWE). Any student wishing to transfer credit must submit a course syllabus that includes learning objectives, assignments, and the titles and authors of textbooks to the BSW Program Coordinator. If it appears that the requisite competencies, knowledge, skills, and cognitive and affective processes have been addressed, the student will be exempted from the BSW course.

Admissions

Entrance Requirements for the BSW Program

University of South Carolina admission requirements and processes for freshmen, transfer students, and former students seeking readmission are managed by the Office of Undergraduate Admissions. Once admitted to the University of South Carolina, students may declare social work as their major at any time and are assigned to the Undergraduate Academic Advisor in the College of Social Work. The Undergraduate Academic Advisor works with the student throughout the program of study.

The BSW program is structured so that most of the social work major courses are taken in a sequence beginning in the fall of the junior year. Before entering the major sequence that begins with SOWK 311, students must apply online for entry and attain verification from the program coordinator that they have met the following requirements:

- Students must have completed 54 or more hours of degree-applicable course credits at entrance to the major sequence (beginning with SOWK 311).
- Students must have an institutional GPA of 2.50 or higher.
- Students must have completed and earned a grade of C or higher in ENGL 101 and ENGL 102, or transfer equivalency.
- Students must have completed and earned a grade of C or higher in SOWK 201, or transfer equivalency. If a transfer student lacks the SOWK 201 equivalency, they must enroll in SOWK 201 in their first semester at UofSC.
- Students must have completed and earned a grade of C or higher in SOWK 222 or must take SOWK 222 and SOWK 311 concurrently. Transfer students must enroll in SOWK 222 in their first semester at UofSC if they lack an equivalency.

Application to the Major Sequence

In the spring of the sophomore year, students must apply for entrance into the major sequence, which begins in the fall of the junior year with SOWK 311. An application checklist based on the above requirements is completed by the student online and is checked by the academic advisor.

The program coordinator works in consultation with the academic advisor and is responsible for clearing students for admittance. The coordinator notifies students of decisions regarding application in writing.

Students may be conditionally admitted to the major sequence if the GPA is 2.4 or above but must raise the GPA to 2.5 or higher by the end of junior year fall semester.

Students who are denied admittance to the major sequence will have an appointment with the program coordinator. Students may choose to continue to work on other course requirements and re-apply for admission the following spring, or students may work with the undergraduate student advisor to be reassigned to the University Advising Center for further career counseling and advisement outside of social work. Students may only apply to the BSW major sequence twice.

It should be noted that any admittance to the major sequence of the BSW program does not guarantee the field placement needed for completion of the degree, as application to field is a separate process.

Progression Requirements

To progress through the major sequence of the BSW Program, all students must maintain an institutional GPA of 2.50 or higher and must earn a grade of C or higher in all social work courses. A student may

repeat no more than two (2) social work courses to complete a course with a grade of C or higher. If a student in the major sequence fails to earn a grade of C or higher on a repeated degree-applicable course, the student is terminated from the BSW program and is reassigned to the University Advising Center for further career counseling and advisement.

If a student in the major sequence falls below the required institutional GPA of 2.5, the student is on academic probation within the BSW program and has one semester to bring the GPA to 2.5 or higher. If this does not occur, the student is terminated from the BSW program and reassigned to the University Advising Center for further career counseling and advisement.

All BSW students are also subject to all University regulations regarding probation, suspension, and readmission.

Degree Requirements (120 hours)

Program of Study

Requirements	Credit Hours
1. Carolina Core	31-43
2. College Requirements	0
3. Program Requirements	17-29
4. Major Requirements	60

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (31-43 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- any CC-CMW course (p. 741)

ARP – Analytical Reasoning and Problem Solving (6 hours)

- STAT 201
- One of the following:
 - MATH 122
 - MATH 141
 - Any other STAT course approved for Carolina Core ARP

SCI – Scientific Literacy (7 hours)

Two approved Carolina Core Scientific Literacy courses (p. 741), including at least one with a laboratory selected from Biology

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

A score of two or better on the foreign language placement test or equivalent Carolina Core GFL course(s).

- CC-GFL courses (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741) from Psychology (PSYC) or Sociology (SOCY)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- One 200-level or above CC-AIU course (p. 741) literature course

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- POLI 201

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (0 hours)

No college-required courses for this program

3. Program Requirements (17-29 hours) Supporting Courses (6 hours)

These requirements may not also fulfill Carolina Core requirements:

- One economics course (ECON - 3 hours)
- One philosophy course (PHIL - 3 hours)

Electives (11-23 hours)

The BSW requires a minimum of 60 semester hours in academic subjects for the Carolina Core and College Requirements. Students with fewer than 60 hours in Carolina Core and College Requirements must take enough electives to fulfill the 120-hour minimum. No elective courses of a remedial and developmental nature may apply as credit toward the 120-hour minimum.

4. Major Requirements (60 hours)

A minimum grade of C is required in all major courses.

Course	Title	Credits
Major Courses		
SOWK 201	Introduction to Social Work	3
SOWK 222	Social Welfare Policies and Programs	3
SOWK 311	Foundations of Social Work Practice	3
SOWK 312	Social Work Practice with Individuals and Families	3
SOWK 322	Social Policy Analysis	3
SOWK 331	Diversity and Social Justice in Contemporary Society	3
SOWK 341	Theories for Understanding Individuals, Families, and Groups	3
SOWK 352	Social Work and Scientific Inquiry	3
SOWK 382	Introduction to Field Education	3
SOWK 411	Social Work Practice with Groups	3
SOWK 412	Social Work Practice with Organizations and Communities	3
SOWK 422	Advocacy for Social and Economic Justice	3
SOWK 441	Theories for Understanding Organizations and Communities	3
SOWK 481	Practicum I: Field Education	3
SOWK 482	Practicum II: Field Education	3
SOWK 483	Practicum Seminar	3
SOWK 484	Capstone	3
Major Electives		
Select three SOWK electives 300-level or above		9
Total Credit Hours		60

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Social Work, B.S.W.

SOUTH CAROLINA HONORS COLLEGE

Department Website (<http://schc.sc.edu/>)

Steven Lynn, Ph.D., *Dean*

Andrea Tanner, Ph.D., *Associate Dean*

Kay Banks, Ed.D., *Associate Dean for Student Affairs*

Chappell Wilson, *Assistant Dean of Administration*

Novella Beskid, *Assistant Dean for National Fellowships & Scholar Programs*

Overview

The South Carolina Honors College (SCHC) combines the benefits of a small college in the context of a large comprehensive research university. The College provides academically gifted and motivated students with the opportunity to develop their intellectual potential to the fullest. It emphasizes small classes with intensive interaction between students and professors. The Honors College curriculum is designed to exploit fully the talents of both students and teachers. Any qualified student, regardless of major or career interest, can take advantage of the College's rich educational environment.

Retention in the College

To remain in good standing in the College, Honors College students must maintain a minimum GPA on a sliding scale that starts at 3.00 for first-year students and rises to 3.30 for seniors. In addition, Honors College students must earn Honors course credits - 9 by the end of their first year, 18 after their sophomore year, and 27 after their junior year-to remain in good standing in the college. Students who fall short of these requirements are allowed one semester of probation to increase their GPA or the number of honors credits to reach the required level. Any student who wants to apply for grade forgiveness for a South Carolina Honors College course must first petition the dean of the Honors College.

Honors College Advising

Entering Honors College first-year students are advised by the staff of Honors College prior to and during Freshmen Orientation, and the College continues to advise all Honors College students throughout their time in the College. Once a student has selected a major, he or she also is advised by faculty and/or staff members in that discipline. For this reason, most Honors College students have two advisors.

Graduation with Honors from the South Carolina Honors College

Honors College students have the opportunity to "graduate with Honors from the South Carolina Honors College." This accomplishment is recognized on their transcript, their diploma, and during commencement. In order to graduate with honors, students must complete at least 45 credit hours of Honors College courses, including a minimum 3 credit hours of senior thesis or project. The course requirements must include one course each in English, laboratory science, the history of civilization, analytical reasoning, the humanities, the social sciences, and an outside the classroom experience (Beyond the Classroom) that could be either undergraduate research, an Honors service learning course, study away, or an internship. Honors College elective credits may be in any area. All Honors College students, regardless of their major, can complete these requirements.

SCHC Curriculum

The Honors College offers two types of courses: courses that are unique to the Honors College and Honors College versions of courses offered by other academic units. Honors College sections of courses offered by other academic units carry the same departmental designator and number as their non-honors equivalent, but they have a "Hxx" section number (e.g., ENGL 101, Section H01). Courses developed specifically for the Honors College are designated "SCHC." While SCHC courses have no exact equivalent in the non-honors curriculum, every effort is made to ensure that these courses fulfill university core, major, minor, or cognate requirements.

SCHC courses that are numbered 200 or higher, "proseminars," are designed to be similar in style to graduate-level seminars and are taught, where possible, through the use of discussion rather than lecture. Normally no more than 18 students may enroll in an Honors College proseminar.

At the 200-level, proseminars are usually broad in scope, providing a firm grounding in the general area described by a discipline. At the junior (300) and senior (400) levels, proseminars are more specific in content, providing the students and the professor the opportunity to delve deeply into a specialized subject. Of special interest are the interdisciplinary proseminars, which are designed to bring knowledge from several academic disciplines to bear on a particular problem. Proseminars may be taught by more than one faculty member.

South Carolina Honors College students may meet University Core Curriculum requirements through Honors courses determined to be core-appropriate by the South Carolina Honors College, with the oversight of the Provost. The South Carolina Honors College maintains a list of such courses.

Interdisciplinary Studies, BARSC

The South Carolina Honors College offers an innovative and interdisciplinary degree, the Baccalaureus Artium et Scientiae, or Bachelor of Arts and Science (BARSC) degree. A student seeking the BARSC degree constructs an individualized program of study that is tailored to his or her specific interests. This allows students with interests that fall outside traditional disciplinary boundaries to pursue undergraduate studies that fit their individual interests, needs, and aptitudes. The Baccalaureus degree is most suitable for students preparing to continue their studies beyond the baccalaureate level, especially in areas expecting a broad educational experience, such as law, government service, various academic graduate programs, and medicine. Admission to this degree program is based on outstanding academic work and a commitment to developing intellectual breadth.

Learning Objectives

- Students will be able to synthesize learning across interdisciplinary courses and beyond the classroom experiences.
- Students will creatively apply questioning and reasoning to generate and explore new ideas.
- Students will be able to effectively express concepts from their selected major/field through written communication.

Admission

Admission to the College is based upon proof of a student's potential for high academic achievement. Admission criteria include outstanding work in high school, high aptitude test scores, the ability to write well,

and a strong intellectual curiosity. A candidate for the College must be accepted to the University and then must submit a separate application for admission to the Honors College.

The admissions policies are administered by the coordinator of admissions for the South Carolina Honors College in the Office of Undergraduate Admissions. The normal standards to be considered for admission include, but are not confined to, an SAT of 1340 or greater and a strong academic performance in high school, as well as evidence of keen analytical skills and a clear writing style. Transfer students and students already enrolled in the University who have a GPA of 3.60 on a 4.00 scale also may be considered for admission. Admission of such students will be contingent on a review of the student's overall college record, the quality of the application, and the availability of space in the Honors College.

Degree Requirements (126 Hours)

The individualized curriculum of a BARSC degree candidate is supervised by an advisory committee, which aids BARSC candidates in course selection and career orientation. In place of the university's traditional major and other requirements, BARSC students must take a wide range of courses designed to develop intellectual inquisitiveness. These requirements are constructed so that BARSC students satisfy the basic Carolina Core degree requirements and South Carolina Honors College requirements. Students must also submit a senior thesis or project worth 9 to 12 credit hours and complete a total of 69 honors course credit hours. Graduation with the BARSC degree requires a 3.50 cumulative GPA. Major requirements are set by each student's advisory committee, depending on his or her goals and needs.

Program of Study

All degree requirements must be passed with a grade of C or higher

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	4-45
3. Program Requirements	12-66
4. Major Requirements	24-78

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

- ENGL 101
- ENGL 102

ARP- Analytical Reasoning and Problem Solving (6 hours)

- any CC-ARP courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

SCI-Scientific Literacy (8 hours)

- Two 4-credit hours CC-SCI (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>) laboratory science courses

GFL- Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency through the 122-level in one foreign language that satisfies the Carolina Core. This requirement may be fulfilled by achieving a placement score that places the student in an intermediate-level or higher foreign language course. (Placement score numbering scales vary by language)

- CC-GFL courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

GHS- Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

GSS- Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

AIU- Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

CMS- Effective, Engaged, and Persuasive Communication: Spoken Component (0-3 hours)

- any overlay or stand-alone CC-CMS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

INF- Information Literacy¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

VSR- Values, Ethics, and Social Responsibility¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

¹ Carolina Core Stand Alone or Overlay Eligible Requirements – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (4-45 hours)

To fulfill these requirements, courses must be listed as a "South Carolina Honors College" course. Requirements may be fulfilled by Carolina Core,

Supporting Courses, or major or minor courses. For example, a student could take an Honors-designated major course or Carolina Core course and the course would fulfill the Honors requirement and major/Carolina Core requirement. Students may choose to fulfill these requirements in any way that works with their major, minor, or personal interests, meaning there is no specific order in which you must take certain classes. If courses taken to fulfill Carolina Core, Supporting Courses, or major or minor courses are not listed as a "South Carolina Honors College" course, then Honors courses must be taken in addition to fulfill the requirements below.

Honors College Core (45 hours)

Course	Title	Credits
English or Literature		0-3
One Honors course in English composition ¹		
History of Civilization ¹		0-3
Any Honors course on the history of civilization		
Humanities ¹		0-3
Any Honors humanities course		
Social Behavioral Science ¹		0-3
Any Honors social or behavioral science course		
Natural Science with lab ¹		0-4
Any Honors science course. Must include Honors lab.		
Analysis ¹		0-3
Math, logic, statistics, computer science, or other courses so designated.		
Honors Electives ¹		0-19
Any Honors courses or up to 6 hours of Study Abroad		
Beyond the Classroom ¹		0-3
Undergraduate research, service learning, internship or study away outside of South Carolina (study away can be non-Honors)		
Thesis		4
SCHC 390	HNRS: Proseminar	1-3
SCHC 499	HNRS: Senior Thesis/Project	1-15

¹ Courses vary per semester. See Honors Course Listing (https://www.sc.edu/study/colleges_schools/honors_college/internal/courses_requirements/courses/) for course offerings.

3. Program Requirements (12-66 hours)

Supporting Courses (12-36 hours)

Foreign Language (0-3 hours)

- Only if needed to meet 122-level proficiency.

English or Literature (3 hours)

- One English or Literature course beyond ENGL 101 and ENGL 102. This course may fulfill the Honors College Core English or Literature or a Carolina Core requirement.
- This course may be any ENGL course beyond ENGL 102 or any English-focused Honors course. (See Honors Course Listing (https://www.sc.edu/study/colleges_schools/honors_college/internal/courses_requirements/courses/) for course offerings.)

History (3 hours)

The BARSC program requires one additional GHS course beyond the Carolina Core GHS requirement. (One course will always fulfill the Carolina Core-GHS requirement, Honors College Core History of Civilization, or both.) Accordingly, please select one of the following:

- If the Carolina Core GHS requirement is fulfilled by a **U.S. history** course, the Honors College history requirement must be fulfilled by a **non-U.S. history** course.
- If the Carolina Core GHS requirement is fulfilled by a **non-U.S. history** course, the Honors College history requirement must be fulfilled by a **U.S. history course**.

Please select the Honors College history requirement from the approved list of U.S. and non-U.S. history courses (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/history-requirement/>). (See Honors Course Listing (https://www.sc.edu/study/colleges_schools/honors_college/internal/courses_requirements/courses/) for course offerings.)

Social Science or Behavioral Science (3 hours)

The BARSC program requires 6 credit hours of social or behavioral science. These courses may fulfill the Honors College Social or Behavioral Science and/or Carolina Core requirements. (One course will always fulfill the Carolina Core GSS requirement.)

Courses include:

- Courses Acceptable for Social Science in the College of Arts and Sciences (<https://academicbulletins.sc.edu/undergraduate/arts-sciences/courses-acceptable-social-science-fine-arts-humanities/>) or other approved Honors courses, which vary by semester. (See Honors Course Listing for course offerings.)

BarSc Honors Requirements (3-24 hours)

Student must take 24 hours of honors course work, in addition to the 45 honors core credit hours, including an extensive nine-hour senior honors thesis (listed below) for a total of 69 honors credit hours. These credit hours may be taken as part of the Carolina Core, Major, Minor, or BARSC program requirements.

- Thesis (3-6 hours): SCHC 499 – Senior Thesis/Project - Carolina Core Integrative Course
- Independent Study (SCHC 399) or other committee-approved course, preferably a graduate-level course, or Beyond the Classroom experience (3 hours)

A BARSC student's thesis typically requires additional credit hours beyond the 4 hours of thesis credit in the Honors College Core required to graduate from the South Carolina Honors College. The expanded thesis project represents the student's effort to pull the strands of this unique educational opportunity together in an extended research/scholarly experience.

Minor (0-18 hours) *optional*

BARSC student is not required to complete a minor, as most students fulfill all credit hour requirements through their individualized program of study. Some students, however, may choose to complete a minor consisting of 18 credit hours of prescribed courses. The minor is intended to develop a coherent basic preparation in a second area of study, such as a foreign language. Minors may be selected from a University-wide list of approved minors. Courses applied toward general education requirements cannot be counted toward the minor. No course may satisfy both major and minor requirements. Minor requirements can satisfy Honors College course requirements. All minor courses must be passed with a grade of C or better.

A list of minor programs of study can be found at Programs A-Z (<https://academicbulletins.sc.edu/undergraduate/programs-az/>).

Electives (0-54 hours)

The number of electives needed to reach minimum degree requirements will vary, depending upon the number of hours in the major, how Carolina Core and Honors College Core requirements are fulfilled.

4. Major Requirements (24-78 hours)

Courses required as determined by student's BARSC Committee. Major courses typically demonstrate depth and breadth of study in at least two academic disciplines.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Interdisciplinary Studies, BARSC

PALMETTO COLLEGE

Launched in 2013, Palmetto College is the University of South Carolina's online bachelor's degree completion consortium providing leadership, management, and coordination of online education across all eight USC campuses. Through Palmetto College, students can begin and complete high-quality bachelor's degrees, through asynchronous or real-time delivery, without disrupting personal, family, and professional commitments.

In addition to its degree completion mission, Palmetto College is also an administrative organization encompassing the University's four associate degree-granting regional campuses (Lancaster, Salkehatchie, Sumter and Union) and Palmetto College Columbia.

Susan Elkins, *Chancellor*

Palmetto College Columbia

Palmetto College Columbia offers instruction, courses, programs and services designed for students who need courses at convenient sites and times or in flexible formats, compatible with their jobs or other schedule restrictions. Undergraduate programs in Liberal Studies and Organizational Leadership are offered as part of Palmetto College, and associates degrees are available to military service members and affiliated groups through the Fort Jackson Program.

M. Ron Cox, Jr., *Dean*

Stephen Lowe, *Director, Liberal Studies and Organizational Leadership*

Liberal Studies, B.A.

Overview of the BLS

The Bachelor of Arts degree in Liberal Studies Program (BLS) is only available to students on USC's regional campuses or online through Palmetto College. It is designed to provide access to upper-level study in a range of liberal arts disciplines, fostering the abilities to think critically, communicate effectively, solve problems, and interpret human experience. Goals of this program are to enhance students' intellectual and creative capacities and broaden their historical, ethical, social, and international perspectives while allowing them some flexibility in designing the upper-level curricula based on previous studies and employment objectives.

Learning Outcomes

- Students will demonstrate the ability to initiate independent, interdisciplinary inquiry and the ability to apply critical thinking to interdisciplinary problems.
- Students will demonstrate an understanding of South Carolina from historical as well as contemporary political, cultural, economic, and social perspectives in papers, assignments and other student writing.
- Students will be educated and participatory citizens of South Carolina and explain how their academic training has prepared them to be active state citizens.
- Students will demonstrate the ability to apply classroom learning to real-world experience in the public or private sector.

Admission and Graduation Standards

Students may apply to the Liberal Studies Program after completion of at least 45 semester hours of accredited, college-level work. A minimum grade point of 2.00 is required for admission and graduation. As part of the application process, a specific Program of Study is developed by the student and the student's advisor and approved by the Program Committee. Any changes to the Program of Study must be approved by the advisor and Program Committee. All students must earn at least 30 USC hours after admission to this program. A minimum of 120 semester hours of accredited, college-level work must be presented to earn this degree.

Degree Requirements (120 hours)

The Bachelor of Arts in Liberal Studies (BLS) is designed for students who want to pursue liberal studies without a major in a single discipline.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	9-12
3. Program Requirements	28-43
4. Major Requirements	36

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6-8 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- any CC-SCI courses (p. 741), must include two labs

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully

completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- SPCH 140 or any overlay or stand-alone CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

- any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

2. College Requirements (9-12 hours)

Course	Title	Credits
PHIL 102	Introduction to Philosophy	3
Select Foreign Language course (only if needed to meet 122-level proficiency)		0-3
Select Arts and Sciences Electives (Must include two disciplines)		6
Total Credit Hours		9-12

3. Program Requirements (28-43 hours)

Cognate (12 hours)

Must be passed with a grade of C or higher

The cognate cannot be a discipline included in the student's major option. No more than six hours of transfer work may be applied to the cognate.

A minimum of 12 hours of course work at the 300 level or above from one of the following disciplines:

- Anthropology
- Art
- Business
- Criminal Justice
- Dance
- Economics
- Education
- English
- Geography
- History
- Health Promotion, Education and Behavior
- Languages
- Mathematics
- Native American Studies¹
- Philosophy
- Political Science
- Psychology
- Physical and/or Biological Sciences
- Religious Studies
- Social Work
- Sociology
- Theatre

¹ Courses designated as fulfilling the Native American Studies option will be listed on the BA in Liberal Studies program website.

Electives (16-31 hours)

4. Major Requirements (36 hours)

A minimum grade of C is required in all major courses.

Major Courses (9 hours)

Course	Title	Credits
PALM 493	South Carolina Studies	3
PALM 494 or PALM 495	Internship Service-Learning	3
PALM 401	Palmetto Senior Capstone Experience	3
Total Credit Hours		9

Major Electives (27 hours)

The student's major will be chosen from two of the disciplines below.

All courses must be at the upper level with at least 15 hours at the 400-level or above, with the exception of Sociology, in which the following 300-level courses may be substituted for 400-level courses: SOCY 304, SOCY 305, SOCY 312, SOCY 320, SOCY 323, SOCY 340. All grades must be C or better. A minimum of 12 hours is required in each of the two disciplines. At least 15 hours must be USC courses. No more than 12 hours of the major will be accepted in transfer.

- Anthropology
- Art
- Astronomy

- Biological Sciences
- Chemistry
- Criminology and Criminal Justice
- Economics
- English
- Environmental Studies
- Geography
- Geological Studies
- Health Promotion, Education and Behavior
- History
- Languages
- Marine Science
- Mathematics
- Native American Studies¹
- Philosophy
- Physics
- Political Science
- Psychology
- Religious Studies
- Sociology
- Statistics
- Theatre

¹ The most updated list of courses designated as fulfilling the Native American Studies option will be listed on the BA in Liberal Studies program website.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Liberal Studies, B.A.

Organizational Leadership, B.A.

The Bachelor of Arts degree in Organizational Leadership (BOL) is only available to students on USC's regional campuses or online through Palmetto College. It is designed for students who seek a baccalaureate degree with an applied focus on leadership and who want a solid professional foundation to enter the workforce. The degree allows students to gain the knowledge and skills to prepare them for leadership roles in a variety of community settings, including non-profit organizations, businesses, local government, and public agencies. Students may choose to pursue an area of focus in Entrepreneurship with programs by completing certain courses within the major, as outlined in the Major Requirements.

Learning Outcomes

- Students will be able to demonstrate their knowledge of skills that make successful leaders in various organizational settings.

- Students in ENGL 463 will demonstrate the ability to write effective prose and/or develop and give a presentation in a professional setting.
- Students in PALM 493 will demonstrate the ability to be educated and participatory citizens of South Carolina and explain how their academic training has prepared them to be active state citizens.
- Students in PALM 494 and PALM 495 will demonstrate the ability to apply classroom learning to real-world experience in the public or private sector.

Admission and Graduation Standards

Students may apply to the Organizational Leadership Program after completion of at least 45 semester hours of accredited, college-level work. A minimum grade point of 2.0 is required for admission and graduation. As part of the application process, a specific Program of Study is developed by the student and the student's advisor and approved by the Program Committee. Any changes to the Program of Study must be approved by the advisor and Program Committee. All students must earn at least 30 USC hours after admission to this program. A minimum of 120 semester hours of accredited, college-level work must be presented to earn this degree.

Degree Requirements (120 hours)

The Bachelor of Arts in Organizational Leadership (BOL) is designed for students who want to study organizational leadership without a major in a single discipline.

Program of Study

Requirements	Credit Hours
1. Carolina Core	32-44
2. College Requirements	9-12
3. Program Requirements	31-46
4. Major Requirements	33

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

1. Carolina Core Requirements (32-44 hours)

CMW – Effective, Engaged, and Persuasive Communication: Written (6 hours)

must be passed with a grade of C or higher

- ENGL 101
- ENGL 102

ARP – Analytical Reasoning and Problem Solving (6 hours)

- any CC-ARP courses (p. 741)

SCI – Scientific Literacy (8 hours)

- any two CC-SCI courses (p. 741), must include two labs

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-6 hours)

Demonstration of proficiency in one foreign language equivalent to the minimal passing grade on the exit examination in the 122 course is required. Students can demonstrate this proficiency by successfully completing Phase II of the Proficiency Test or by successfully completing the 122 course, including the exit exam administered as part of that course.

- CC-GFL courses (p. 741)

It is strongly recommended that students continuing the study of a foreign language begin college-level study of that language in their first semester and continue in that language until their particular foreign language requirement is completed.

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 hours)

- any CC-GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 hours)

- any CC-GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 hours)

- any CC-AIU course (p. 741)

CMS – Effective, Engaged, and Persuasive Communication: Spoken Component ¹ (0-3 hours)

- SPCH 140 or any CC-CMS course (p. 741)

INF – Information Literacy ¹ (0-3 hours)

- any overlay or stand-alone CC-INF course (p. 741)

VSR – Values, Ethics, and Social Responsibility ¹ (0-3 hours)

any overlay or stand-alone CC-VSR course (p. 741)

¹ **Carolina Core Stand Alone or Overlay Eligible Requirements** – Overlay-approved courses offer students the option of meeting two Carolina Core components in a single course. A maximum of two overlays is allowed. The total Carolina Core credit hours must add up to a minimum of 31 hours. Some programs may have a higher number of minimum Carolina Core hours due to specified requirements.

2. College Requirements (9-12 hours)

Course	Title	Credits
PHIL 102	Introduction to Philosophy	3
Select Foreign Language course (only if needed to meet 122-level proficiency)		0-3

Select Arts and Sciences Electives (Must include two disciplines)	6
Total Credit Hours	9-12

3. Program Requirements (31-46 hours)

Supporting Courses (27-30 hours)

Course	Title	Credits
Select one of the following:		
ECON 224	Introduction to Economics	3
ECON 221 & 222	Principles of Microeconomics and Principles of Macroeconomics	3
ENGL 463	Business Writing	3
ITEC 264	Computer Applications in Business I	3
MGMT 371	Principles of Management	3
PALM 493	South Carolina Studies (must be passed with a grade of C or higher)	3
PALM 494 or PALM 495	Internship ¹ Service-Learning	3
PCAM 205	Foundations of Leadership (must be passed with a grade of C or higher)	3
PSYC 350	Industrial Psychology	3
Select one of the following:		
PSYC 220	Psychological Statistics (may not also be used to fulfill the Carolina Core ARP requirement)	3
SOCY 392	Elementary Statistics for Sociologists (may not also be used to fulfill the Carolina Core ARP requirement)	3
STAT 201	Elementary Statistics (may not also be used to fulfill the Carolina Core ARP requirement)	3
Total Credit Hours		27

¹ PALM 494 or PALM 495 must be passed with a grade of C or higher. Students wishing an area of focus in Entrepreneurship should take PALM 494.

Electives (1-19 hours)

Sufficient elective hours as needed to meet the 120-credit-hour requirement.

4. Major Requirements (33 hours)

a minimum grade of C is required in all major courses

Major Courses (33 hours)

Select 33 credits from the following lists, with at least 9 credits from each of the three categories, and at least 12 credits at the 400 level. No more than 15 hours combined from MGMT, ACCT, and ECON may be selected.

Course	Title	Credits
Employer and Employees		
HRTM 344	Personnel Organization and Supervision	3
MGMT 374	Strategic Human Resource Management	3
MGMT 376	Employee Engagement	3
MGMT 472	Entrepreneurship and Small Business	3
PHIL 211	Contemporary Moral Issues	3
PHIL 320	Ethics	3
PSYC 360	Applied Psychology	3

PSYC 420	Survey of Developmental Psychology	3
PSYC 430	Survey of Social Psychology	3
SOCY 304	Race, Class, Gender, and Sexuality	3
SOCY 340	Introduction to Social Problems	3
PALM 401	Palmetto Senior Capstone Experience	3

Law, Policy, and Organizations

ACCT 324	Survey of Commercial Law	3
ACCT 403	Tax I	3
ECON 363	Business Finance	3
ECON 379	Government Policy Toward Business	3
HIST 405	The Rise of Industrial America, 1877-1917	3
HIST 469	Constitutional History of the United States	3
HIST 470	Constitutional History of the United States	3
JOUR 201	Principles of Public Relations	3
MGMT 406	International Human Resource Management	3
MGMT 473	Developing and Launching New Ventures	3
POLI 201	American National Government	3
POLI 370	Introduction to Public Administration	3
POLI 365	State Government	3
POLI 463	The American Chief Executive	3
POLI 570	South Carolina Government and Politics	3
SOCY 300	Social Structures	3

Workplace Dynamics

ECON 406	Labor Economics	3
ECON 415	Economics of American Industry	3
MGMT 401	Negotiation and Conflict in the Workplace	3
PHIL 324	Business Ethics	3
POLI 368	Interest Groups and Social Movements	3
POLI 465	Psychology and Politics	3
PSYC 405	Cognitive Psychology	3
PSYC 501	Human Factors Psychology	3
RETL 330	Asset Protection for Retailers	3
SOCY 311	Ecology of Human Social Systems	3
SOCY 312	Bureaucracy and Modern Society	3
SOCY 354	Collective Behavior	3
SPCH 331	Organizational Communication	3

Note: Students that wish to have an area of focus in entrepreneurship are recommended to complete at least 15 hours of the major from among a specific sub-set of courses identified as related to entrepreneurship. It is recommended that students should also take PALM 494 rather than PALM 495 to gain internship experience. PALM 494 does not count toward the 15 hours of Entrepreneurship courses. This area of focus in entrepreneurship designation does not appear on the student's academic transcript, nor on the diploma.

Major courses that are acceptable for credit toward this area of focus are identified in the academic bulletin by appearing with the designation (E) after the name of the course.

Major Map

A major map is a layout of required courses in a given program of study, including critical courses and suggested course sequences to ensure a clear path to graduation.

Major maps are only a suggested or recommended sequence of courses required in a program of study. Please contact your academic advisor for assistance in the application of specific coursework to a program of study and course selection and planning for upcoming semesters.

Organizational Leadership, B.A.

ASSOCIATE DEGREE PROGRAMS AT FORT JACKSON

The UofSC Fort Jackson Program is designed for and awards Associate of Arts and Associate of Science degrees to military personnel –including those on active duty (all branches), reservists, National Guard, and veterans – and their spouses. Department of Defense civilian employees are also eligible to enroll in the program. Non-DOD civilians, including UofSC Columbia-campus students, may enroll in courses on a space-available basis, but are not eligible to earn these associate degrees.

Programs

- Associate of Arts (Fort Jackson), A.A. (<https://academicbulletins.sc.edu/undergraduate/associate-degree-programs-fort-jackson/associate-arts-fort-jackson-aa/>)
- Associate of Science (Fort Jackson), A.S. (<https://academicbulletins.sc.edu/undergraduate/associate-degree-programs-fort-jackson/associate-science-fort-jackson-as/>)

Associate of Arts (Fort Jackson), A.A.

The UofSC Fort Jackson Program is designed for and awards Associate of Arts and Associate of Science degrees to military personnel –including those on active duty (all branches), reservists, National Guard, and veterans – and their spouses. Department of Defense civilian employees are also eligible to enroll in the program. Non-DOD civilians, including UofSC Columbia-campus students, may enroll in courses on a space-available basis, but are not eligible to earn these associate degrees.

Learning Outcomes

1. Graduates will be able to:
2. Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through writing.
3. Apply the methods of mathematical, statistical, or analytical reasoning to critically evaluate data, solve problems, and effectively communicate findings verbally and graphically.
4. Apply the principles and language of the natural sciences and associated technologies to historical and contemporary issues.
5. Communicate in more than one language.
6. Use the principles of historical thinking to understand past human societies.
7. Use the principles of the social sciences to explore diverse cultural identities and to analyze political and environmental issues.
8. Create or interpret literary, visual or performing arts.
9. AND be able to demonstrate at least ONE of the following:
10. Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through speaking.
11. Collect, manage and evaluate information using technology, and communicate findings.

12. Examine different kinds of social and personal values, analyzing the ways in which these are manifested in communities as well as individual lives.

Degree Requirements

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

Carolina Core - 15 Hours

These serve as general education requirements common to all associate degrees.

CMW: Effective, Engaged and Persuasive Communication: Writing (6 Hours)

Must be passed with a grade of C or higher

- any CMW course (p. 741)

SCI: Scientific Literacy (3 Hours)

- any SCI course (p. 741)

GHS: Global Citizenship and Multicultural Understanding: Historical Thinking (3 Hours)

- any GHS course (p. 741)

GSS: Global Citizenship and Multicultural Understanding: Social Sciences (3 Hours)

- any GSS course (p. 741)

Associate of Arts Degree Curriculum - 60 Hours

1. Basic Requirements
2. Electives

Requirements (including 15 hours of Carolina Core stated above) (37-38 Hours)

All course selections are from the approved Carolina Core Learning Outcomes list unless otherwise specified.

CMW: Effective, Engaged and Persuasive Communication: Writing (6 Hours)

Must be passed with a grade of C or higher

ARP: Analytical Reasoning and Problem-Solving (3 Hours)

- Choose from MATH, CSCE, PHIL, STAT including MATH 111 or MATH 115

SCI: Scientific Literacy (7-8 Hours)

- Must include at least 1 laboratory science course

GFL: Global Citizenship and Multicultural Understanding: Foreign Language (0-3 Hours)

- One 3-hour language course at any level or score of “2” on placement exam

GHS: Global Citizenship and Multicultural Understanding: Historical Thinking (3 Hours)

- any GHS course (p. 741)

GSS: Global Citizenship and Multicultural Understanding: Social Sciences (6 Hours)

- any GSS course (p. 741)

AIU: Aesthetic and Interpretive Understanding (6 Hours)

- any AIU course (p. 741)

Choose ONE of the following three options:

- CMS: Effective, Engaged and Persuasive Communication: Speech (3 Hours)
- INF: Information Literacy (3 Hours)
- VSR: Values, Ethics and Social Responsibility (3 Hours)

Electives for A.A. Degrees (22-23 Hours)

Electives may be any additional courses not used to fulfill the previously stated requirements. Students who intend to apply these credits toward a baccalaureate degree awarded by another campus or institution are advised to work closely with an academic advisor to choose electives that will meet preliminary requirements of the four-year major they wish to pursue. Of particular importance is completion of general education requirements. USC Columbia requires a minimum of 31 general education credit hours and a student planning to pursue a USC Columbia baccalaureate degree must complete these hours. These hours can be incorporated within the 60 hours required for an AA or AS degree when electives are carefully selected. Applying for an associate's degree does not in any manner affect eligibility to apply for a baccalaureate degree, and vice versa.

Other Requirements

In addition to the requirements for the A.A. and A.S. degrees stated above, the following stipulations also apply:

- Students must have a cumulative GPA of 2.00 or better (does not include course grades earned by challenge examinations).
- The final 15 semester hours must be earned at USC.
- No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees.
- Pass-Fail option on elective courses is allowed.
- No more than 15 hours of nontraditional credits, which include DANES, CLEP, and military experience.
- No more than 3 1-hour PEDU activity courses may count toward meeting Associate's degree requirements (any track).

Second Associate's Degree

At times the University of South Carolina Ft. Jackson confers a second associate's degree upon candidates who have completed all requirements for the second degree, provided that the additional requirements for the second degree include a minimum of 12 semester hours beyond those required for the first degree earned at USC Ft.

Jackson and a minimum of 72 semester hours total. Under this policy a student may apply for two degrees at one time or separately. In either case the student would receive two diplomas.

Associate of Science (Fort Jackson), A.S.

The UofSC Fort Jackson Program is designed for and awards Associate of Arts and Associate of Science degrees to military personnel –including those on active duty (all branches), reservists, National Guard, and veterans – and their spouses. Department of Defense civilian employees are also eligible to enroll in the program. Non-DOD civilians, including UofSC Columbia-campus students, may enroll in courses on a space-available basis, but are not eligible to earn these associate degrees.

Learning Outcomes

1. Graduates will be able to:
2. Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through writing.
3. Apply the methods of mathematical, statistical, or analytical reasoning to critically evaluate data, solve problems, and effectively communicate findings verbally and graphically.
4. Apply the principles and language of the natural sciences and associated technologies to historical and contemporary issues.
5. Communicate in more than one language.
6. Use the principles of historical thinking to understand past human societies.
7. Use the principles of the social sciences to explore diverse cultural identities and to analyze political and environmental issues.
8. Create or interpret literary, visual or performing arts.
9. And be able to demonstrate at least one of the following:
10. Identify and analyze issues, develop logical and persuasive arguments, and communicate ideas clearly for a variety of audiences and purposes through speaking.
11. Collect, manage and evaluate information using technology, and communicate findings.
12. Examine different kinds of social and personal values, analyzing the ways in which these are manifested in communities as well as individual lives.

Degree Requirements

Founding Documents Requirement

All undergraduate students must take a 3-credit course or its equivalent with a passing grade in the subject areas of History, Political Science, or African American Studies that covers the founding documents including the United State Constitution, the Declaration of Independence, the Emancipation Proclamation and one or more documents that are foundational to the African American Freedom struggle, and a minimum of five essays from the Federalist papers. This course may count as a requirement in any part of the program of study including the Carolina Core, the major, minor or cognate, or as a general elective. Courses that meet this requirement are listed here (<https://academicbulletins.sc.edu/undergraduate/founding-document-courses/>).

Carolina Core - 15 Hours

These serve as general education requirements common to all associate degrees.

CMW – Effective, Engaged and Persuasive Communication: Writing (6 Hours)

Must be passed with a grade of C or higher

- any CMW course (p. 741)

SCI – Scientific Literacy (3 Hours)

- any SCI course (p. 741)

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 Hours)

- any GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (3 Hours)

- any GSS course (p. 741)

Associate of Science Degree Curriculum - 60 Hours

1. Basic Requirements
2. Electives

Requirements (including 15 hours of Carolina Core stated above) (38-42 Hours)

All course selections are from the approved Carolina Core Learning Outcomes list unless otherwise specified.

CMW – Effective, Engaged and Persuasive Communication: Writing (6 Hours)

Must be passed with a grade of C or higher

ARP – Analytical Reasoning and Problem-Solving (6 Hours)

- Choose from MATH, CSCE, PHIL, STAT including MATH 111 or MATH 115

SCI – Scientific Literacy (8-12 Hours)

- Must include at least 2 laboratory science courses

GFL – Global Citizenship and Multicultural Understanding: Foreign Language (0-3 Hours)

- One 3-hour language course at any level or score of “2” on placement exam

GHS – Global Citizenship and Multicultural Understanding: Historical Thinking (3 Hours)

- any GHS course (p. 741)

GSS – Global Citizenship and Multicultural Understanding: Social Sciences (6 Hours)

- any GSS course (p. 741)

AIU – Aesthetic and Interpretive Understanding (3 Hours)

- any AIU course (p. 741)

Choose ONE of the following three options:

- CMS – Effective, Engaged and Persuasive Communication: Speech (3 Hours)
- INF – Information Literacy (3 Hours)
- VSR – Values, Ethics and Social Responsibility (3 Hours)

Electives for A.S. Degrees (18-22 Hours)

Electives may be any additional courses not used to fulfill the previously stated requirements. Students who intend to apply these credits toward a baccalaureate degree awarded by another campus or institution are advised to work closely with an academic advisor to choose electives that will meet preliminary requirements of the four-year major they wish to pursue. Of particular importance is completion of general education requirements. USC Columbia requires a minimum of 31 general education credit hours and a student planning to pursue a USC Columbia baccalaureate degree must complete these hours. These hours can be incorporated within the 60 hours required for an AA or AS degree when electives are carefully selected. Applying for an associate's degree does not in any manner affect eligibility to apply for a baccalaureate degree, and vice versa.

Other Requirements

In addition to the requirements for the A.A. and A.S. degrees stated above, the following stipulations also apply:

- Students must have a cumulative GPA of 2.00 or better (does not include course grades earned by challenge examinations).
- The final 15 semester hours must be earned at USC.
- No courses of a remedial, developmental, skill-acquiring, or vocational nature may apply as credit toward degrees.
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Second Associate's Degree

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Accounting (ACCT)

ACCT 222 - Survey of Accounting (3 Credits)

Survey of accounting topics related to business decisions including financial reporting, managerial accounting, and other special topics.

Prerequisites: MATH 122 or equivalent or sophomore standing.

ACCT 225 - Introduction to Financial Accounting (3 Credits)

User-oriented approach to the study of financial accounting and reporting topics related to business decisions.

ACCT 226 - Introduction to Managerial Accounting (3 Credits)

User-oriented approach to the study of managerial accounting topics related to business decisions.

Prerequisites: ACCT 225.

ACCT 324 - Survey of Commercial Law (3 Credits)

Basic legal concepts and the judicial system, with emphasis on business law.

ACCT 335 - Survey of Federal Taxation (3 Credits)

Federal tax law and preparation of individual income tax returns. Not allowed as an upper-division elective by accounting majors and not open for students who received credit for ACCT 403.

ACCT 401 - Financial Accounting I (3 Credits)

Accounting theory and practice as it relates to preparation of financial statements.

Prerequisites: ACCT 226.

ACCT 402 - Cost/Managerial Accounting (3 Credits)

Internal managerial and cost accounting, including budgeting, cost determination, and analysis.

Prerequisites: ACCT 226.

ACCT 403 - Tax I (3 Credits)

Overview of individual, corporate, and partnership taxation. Emphasis is on sole proprietorships.

Prerequisites: ACCT 401.

ACCT 404 - Accounting Information Systems I (3 Credits)

Accounting systems for business decision-making and effective control of the business enterprise.

Prerequisites: C or better in ACCT 401 and MGSC 291.

ACCT 405 - Financial Accounting II (3 Credits)

Additional accounting theory and practice as it relates to preparation of financial statements.

Prerequisites: ACCT 401.

ACCT 406 - Auditing I (3 Credits)

Principles of auditing necessary to evaluate the integrity of accounting systems and financial reporting.

Prerequisites: ACCT 404.

Prerequisite or Corequisite: ACCT 405.

ACCT 421 - Advanced Accounting (3 Credits)

Advanced topics in accounting theory and practice as it relates to the preparation of financial statements.

Prerequisites: C or better in ACCT 405.

ACCT 422 - Managerial Accounting for Decision Making (3 Credits)

Advanced topics in the use of accounting information for managerial decisions.

Prerequisites: C or better in ACCT 402.

ACCT 424 - Legal Issues for Accountants & Managers (3 Credits)

The study of legal issues affecting accountants and managers.

Prerequisites: C or better in ACCT 324 and a minimum average GPA of at least 3.25 in 400 level and higher ACCT courses.

ACCT 425 - Governmental and Nonprofit Accounting (3 Credits)

Accounting principles and procedures for local, state, and federal governmental units and for private nonprofit organizations.

Prerequisites: C or better in ACCT 405 and a minimum average GPA of at least 3.25 in 400 level and higher ACCT courses.

ACCT 426 - International Financial Reporting (3 Credits)

Study of the principles and application of international financial reporting standards.

Prerequisites: C or better in ACCT 405.

ACCT 470 - Financial Statement Analysis (3 Credits)

This course focuses on the analysis of financial statements for profitability and risk assessment and for firm and segment valuation. Restricted to finance majors.

Prerequisites: ACCT 225, ACCT 226, and FINA 363.

Cross-listed course: FINA 470

ACCT 475 - Integrated Business Processes with Enterprise Systems (3 Credits)

The integration, configuration, and operation of accounting information within enterprise resource planning and other databases as applied to current business practices.

Prerequisites: C or better ACCT 401, C or better ACCT 404 or MGSC 291.

ACCT 490 - Special Topics in Accounting (3 Credits)

Analysis of current topics, issues, and practices in various areas of accounting. May be repeated as content varies by title.

ACCT 499 - Business Internship in Accounting (3-6 Credits)

Supervised work experience as approved by the department. Pass-Fail only. Internship contract required.

Prerequisites: C or better in ACCT 401.

ACCT 621 - Advanced Accounting (3 Credits)

Advanced topics in accounting theory and practice as it relates to the preparation of financial statements.

Prerequisites: C or better in ACCT 405.

ACCT 622 - Managerial Accounting for Decision Making (3 Credits)

Advanced topics in the use of accounting information for managerial decisions.

Prerequisites: C or better in ACCT 402.

ACCT 624 - Legal Issues for Accountants & Managers (3 Credits)

The study of legal issues affecting accountants and managers.

Prerequisites: C or better in ACCT 324.

ACCT 625 - Governmental and Nonprofit Accounting (3 Credits)

Accounting principles and procedures for local, state, and federal governmental units and for private nonprofit organizations.

Prerequisites: C or better in ACCT 405.

ACCT 626 - International Financial Reporting (3 Credits)

Study of the principles and application of international financial reporting standards.

Prerequisites: C or better in ACCT 405.

ACCT 690 - Special Topics in Accounting (3 Credits)

Analysis of current topics, issues and practices in various areas of accounting. May be repeated as content varies by title.

Aerospace Engineering (AESP)

AESP 101 - Introduction into Aerospace Engineering (3 Credits)

Historical overview of air and space flight. Principles of flight and characterization of the atmosphere and space. Vehicle concepts, and an introduction to aerodynamics, materials, structures, propulsion, flight mechanics, control, aircraft systems, and design.

AESP 265 - Aerodynamics I Incompressible Flow (3 Credits)

Fundamentals of inviscid, incompressible flow. Derivation of basic equations for lift, drag and aerodynamic moments through dimensional analysis. Two dimensional flow over airfoils. Airfoil characteristics. Thin airfoil theory, finite wing theory. Wing and body interactions. Aerodynamic drag characteristics. Boundary layers.

Prerequisites: MATH 242, EMCH 201.

AESP 314 - Energy Power and Propulsion (3 Credits)

Introduction to aircraft and rocket engines with emphasis on the performance and characteristics of various types of propulsion systems, including turbojet, turbofan, turboprop, ramjet, scramjet and liquid & solid propellant rockets.

Prerequisites: EMCH 290.

AESP 350 - Aerospace Systems (3 Credits)

Fundamentals of flight control systems, engine control systems, fuel systems, hydraulic systems, landing gears, electrical systems, environmental control systems, emergency systems, avionics and rotary wing systems. Aerospace systems design and development methodology.

Prerequisites: D or better in AESP 101, ENCP 101.

AESP 361 - Aerospace Laboratory I (3 Credits)

Aerospace component experiments: drag polar and C_m -alpha curve for an airfoil; fuselage and landing gear drag; compliance matrix of an isotropic and a laminated composite; mechanical and thermal properties of various aerospace materials; reporting.

Prerequisites: STAT 509, AESP 265.

Prerequisite or Corequisite: EMCH 371, EMCH 310.

AESP 362 - Aerospace Laboratory II (3 Credits)

Introduction to experimental determination of structures, propulsion and systems aspects of aerospace engineering. Oral and written presentations and reports.

Prerequisites: AESP 361.

AESP 365 - Aerodynamics II: Compressible Flow (3 Credits)

Thermodynamics of compressible flow. One dimensional steady flow; isentropic flow, normal shock waves oblique and curved shocks. Nozzle and diffuser design. Raleigh and Fanno flows and their application in propulsion devices.

Prerequisites: D or better in EMCH 290 or ENCP 290 and AESP 265.

AESP 415 - Aircraft Design Part I Basics (3 Credits)

Aircraft mission analysis; Conceptual aircraft design; Weight estimation; Wing design; Payload compartment design; Stabilizer and control surface design; engine selection; aircraft systems design; performance analysis; trade studies; design verification; design documentation and presentation.

Prerequisites: AESP 265.

Prerequisite or Corequisite: AESP 350 and AESP 314.

Graduation with Leadership Distinction: GLD: Research

AESP 420 - Flight and Orbital Mechanics (3 Credits)

Derivation of the general equations of motion (EoM) for aircraft and space flight. Solution of Aircraft EoM for cruise flight and flight maneuvers including coordinated turns, takeoff and landing. Solution of EoM for orbital mechanics problems including transfer trajectories. Calculation of required specific impulses. Design of interplanetary trajectories.

Prerequisites: D or better in EMCH 310.

AESP 428 - Design I (3 Credits)

Techniques for managing, planning and executing engineering projects. Computer based analysis and synthesis techniques. Manufacturing and assembly techniques. Statistical methods to support manufacturing, safety and reliability based design. Engineering Ethics. Social impact of engineering decisions and projects. Effective written and oral communication.

Prerequisites: AESP 350, EMCH 577.

Prerequisite or Corequisite: AESP 314, EMCH 377.

Graduation with Leadership Distinction: GLD: Research

AESP 460 - Special Problems: Aerospace Engineering (1-3 Credits)

Special Problems (1-3) Individual investigation or studies of special topics related with aerospace engineering.

Graduation with Leadership Distinction: GLD: Research

AESP 466 - Flight Dynamics and Control (3 Credits)

Flight Dynamics and Control is a three-credit course that covers the dynamics of aircraft motion, methods of analysis and design for stability and control, longitudinal motions, lateral-directional motions, and coupled longitudinal and lateral-directional motions.

Prerequisites: EMCH 330 or ENCP 330, AESP 420.

AESP 543 - Aerospace Propulsion (3 Credits)

Propulsion system performance and cycle analysis. Momentum theorem, thrust and propulsive efficiency. Thermodynamics of compressible flow with heat and work addition. Combustion Processes. Components and principles of turbojet, turbofan, ramjet and SCRAM jet engines. Combustors and afterburners. Introduction to rocket engines.

Prerequisites: D or better in AESP 365.

Aerospace Studies (AERO)

AERO 101 - US Air Force Heritage and Values I (1 Credit)

Survey course introducing students to the U.S. Air Force and AFROTC. Topics include mission and organization of the Air Force, officership, professionalism, military customs and courtesies, and officer career opportunities.

Corequisite: AERO 101L

AERO 101L - Leadership Laboratory 101 (0 Credits)

Provides cadets the basic skills/knowledge to be functional members of the cadet corps, and activities to build camaraderie and esprit-de-corps. Includes mandatory physical fitness program.

Corequisite: AERO 101.

AERO 102 - US Air Force Heritage and Values II (1 Credit)

Continuation of AERO 101. Additional topics include Air Force core values, leadership principles, group leadership dynamics, and an introduction to verbal and written communications skills.

Corequisite: AERO 102L.

AERO 102L - Leadership Laboratory 102 (0 Credits)

Continuation of AERO 101L. Exposure to additional information on an Air Force career. Scenarios and problems teach followership and leadership skills. Includes mandatory physical fitness program.

Corequisite: AERO 102.

AERO 201 - Team and Leadership Fundamentals I (1 Credit)

Fundamental introduction to leadership and team-building.

Corequisite: AERO 201L.

AERO 201L - Leadership Laboratory 201 (0 Credits)

Preparation of students for summer training at an Air Force base; teaching drill and other leadership experiences. Includes mandatory physical fitness program.

Corequisite: AERO 201.

AERO 202 - Team and Leadership Fundamentals II (1 Credit)

Continuation of AERO 201. This course continues to build fundamental leadership and team building skills.

Corequisite: AERO 202L.

AERO 202L - Leadership Laboratory 202 (0 Credits)

Continuation of AERO 201L. Focuses on AFROTC Honor Code, Field Training Manual/procedures, and expeditionary skills required at field training. Includes mandatory physical fitness program.

Corequisite: AERO 202.

AERO 301 - Leading People and Effective Communication (3 Credits)

Tools and strategies for effective leadership. Topics include improving writing and public speaking skills used for briefing as well as ethics training.

Corequisite: AERO 301L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 301L - Leadership Laboratory 301 (1 Credit)

Provides cadets opportunities to develop leadership and followership skills, as well as sharpen their planning, organization, and communication ability. Includes mandatory physical fitness program.

Corequisite: AERO 301.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 302 - Leading People and Effective Communication II (3 Credits)

Continuation of AERO 301. Advanced ethics and leadership skills designed to prepare the cadet to be an officer and a leader.

Prerequisites: AERO 301.

Corequisite: AERO 302L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 302L - Leadership Laboratory 302 (1 Credit)

Continuation of AERO 301L. Allows intermediate cadet leaders to further develop leadership and management skills essential in Air Force officers. Includes mandatory physical fitness program.

Prerequisites: AERO 301L.

Corequisite: AERO 302.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AERO 401 - National Security/Leadership Responsibilities/Commissioning Preparation (3 Credits)

Study of U. S. Constitution, the Armed Forces, civilian control of the military, elements of national security, USAF doctrine, Total Force, the Joint environment, terrorism, and regional and cultural studies.

Prerequisites: C or better in AERO 302 and AERO 302L.

Corequisite: AERO 401L.

AERO 401L - Leadership Laboratory 401 (1 Credit)

Provides senior cadet leaders opportunities to develop leadership and supervisory skills, and to effectively manage resources toward mission accomplishment. Includes mandatory physical fitness program.

Prerequisites: C or better in AERO 302 and AERO 302L.

Corequisite: AERO 401.

AERO 402 - National Security / Leadership Responsibilities / Commissioning Preparation II (3 Credits)

Continuation of AERO 401. Topics include national security policy and process, air and space power operations, roles of the military in society and current domestic and international issues affecting the military profession.

Prerequisites: C or better in AERO 401 and AERO 401L.

Corequisite: AERO 402L.

AERO 402L - Leadership Laboratory 402 (1 Credit)

Continuation of AERO 401L. Allows senior cadet leaders advanced opportunities to hone their leadership in preparation for entering active duty. Includes mandatory physical fitness program.

Prerequisites: C or better in AERO 401 and AERO 401L.

Corequisite: AERO 402.

AERO 499L - Extended Cadet Leader Leadership Laboratory (0 Credits)

Provides extended cadet leaders opportunities to continue developing leadership, managerial, and communication skills, and to mentor junior cadet corps members. Includes mandatory physical fitness program.

Prerequisites: AERO 402L.

African Amer Studies (AFAM)

AFAM 200 - Freedom Papers: Narratives of Race and Nation (3 Credits)

A study of the United States founding documents that emphasizes how the experiences of African American citizens throughout history and culture shape the country's values, norms, and ideals.

Carolina Core: VSR

Founding Documents: FND Founding Documents

AFAM 201 - Introduction to African American Studies: Social and Historical Foundations (3 Credits)

Introduction to the key debates, figures, and concepts that are fundamental to the interdisciplinary study of the historical, political, and social development of black life in America.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 202 - Introduction to African-American Studies (3 Credits)

Introduction to the analysis and discussion of creative works and traditions by and about African Americans through folklore, music, art, dance, and literature.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 207 - Introduction to African American Religions (3 Credits)

The variety of religious traditions of African Americans, with emphasis on the contexts in which they developed.

Cross-listed course: RELG 207

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.

Cross-listed course: EDTE 218, JSTU 218

Carolina Core: GSS, VSR

AFAM 303 - African-American Cultures (3 Credits)

An examination of African-American cultures in the New World.

Cross-listed course: ANTH 303

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 308 - African-American Feminist Theory (3 Credits)

An interdisciplinary survey of the contributions of African-American women to feminist theory.

Cross-listed course: WGST 308

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 330 - Psychology and the African-American Experience (3 Credits)

Psychological theory and research as it applies to African Americans. Explores Africentric and other perspectives and roles of culture, racism, and historical phenomena.

Cross-listed course: PSYC 330

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 331 - Black Experience in the United States to 1865 (3 Credits)

The social, cultural, economic, and political life of black people in the United States to 1865.

Cross-listed course: HIST 331

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 332 - Black Experience in the United States since 1865 (3 Credits)

The social, cultural, economic, and political life of black people in the United States since 1865.

Cross-listed course: HIST 332

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 335 - The American Civil Rights Movement (3 Credits)

Examination of the origins of Jim Crow and the multi-faceted struggle against it, and other forms of racial inequality, in the American South and the rest of the US since the early 20th century.

Cross-listed course: HIST 455

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 343 - Religions of the African Diaspora (3 Credits)

Explore development/theologies of African/African Diaspora religions; examine misunderstandings; arrive at a more sophisticated and nuanced vision of these religions and the people who hold them.

Cross-listed course: RELG 343

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 348 - Environmental Racism and Justice (3 Credits)

History of the environmental justice movement and the unequal distribution of environmental harms on low income, minority, and historically marginalized groups.

Cross-listed course: ENVR 348

AFAM 350 - Antiracist Education (3 Credits)

Basic concepts, issues, and practices of antiracist education. Topics include individual and institutional racism, overt and covert racism, curriculum, textbooks, power relationships, teacher-student relationships, and privacy.

Cross-listed course: EDFI 350

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 353 - Introduction to U.S. Racial and Ethnic Politics (3 Credits)

Survey of theories of the impact of race, ethnicity, and racism on American politics, and analysis of major policies and racial group experience regarding American citizenship.

Cross-listed course: POLI 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 355 - Race and Ethnic Relations (3 Credits)

Theoretical and empirical approaches related to race/ethnicity and the current state of race relations in American, with some attention to global issues.

Cross-listed course: SOCY 355

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 364 - African-American Politics (3 Credits)

African-American politics from the colonial period to the present. Emphasis on voting rights and strategies to advance black representation.

Cross-listed course: POLI 364

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 365 - Medical Experimentation and the Black Body (3 Credits)

A cross-disciplinary study of how the bodies of Africans and African Americans were used in medical experimentation, starting in the late 18th century and continuing to the present.

Cross-listed course: ANTH 263

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 366 - Medicine, Disease, and Slavery (3 Credits)

An interdisciplinary study of the health of enslaved African Americans during the nineteenth century by focusing on the conceptions, experiences, and dynamics of the relationship between slaves, medicine, healing, and their masters in the Antebellum American South.

Cross-listed course: ANTH 366

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 380 - Cultural History of Hip Hop Music (3 Credits)

Roots of rap/hip hop music from African bardic tradition to African American vernacular traditions and development as a musical genre; rap's musical and verbal traits and political ideologies; hip hop's influence on mainstream American society and global youth.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 393 - Race and Science Fiction (3 Credits)

Draws on science fiction to understand the contemporary history of American racial and ethnic politics and to speculate about the significance of race in America's political future.

Cross-listed course: POLI 393

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 397 - Special Topics in African American Society and History (3 Credits)

Reading and research on selected social and historical topics in African American studies. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 398 - Special Topics in African-American Arts and Cultures (3 Credits)

Reading and research on selected arts and cultural topics in African-American studies. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

AFAM 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

AFAM 402 - African American Political Thought (3 Credits)

Survey of many of the major schools of historic and contemporary African American political thought.

Cross-listed course: POLI 402

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 420 - Slavery, Literature & Culture (3 Credits)

Interdisciplinary analysis of how the experiences of enslaved people are represented through fiction, autobiography, film, art, and new media.

AFAM 428A - African-American Literature I: to 1903 (3 Credits)

Representative works of African-American writers to 1903.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 428A

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 428B - African-American Literature II: 1903 – Present (3 Credits)

Representative works of African-American writers from 1903 to the present.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 428B

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 438D - African Literature (3 Credits)

Authors and literary forms representative of Africa.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 438D

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 438E - Caribbean Literature (3 Credits)

Authors and literary forms representative of the Caribbean.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 438E

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: ANTH 442, ENGL 457, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 463 - Jim Crow: Histories & Revivals (3 Credits)

This course critically examines the continuities and discontinuities between Jim Crow and our current historical and political moment.

Cross-listed course: HIST 463

AFAM 476 - Black Activism (3 Credits)

Critical review of theories of community organizing, grassroots activism, and social movements, and examination of contemporary forms of black activism.

Cross-listed course: POLI 476

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: WGST 111 or WGST 112 or ANTH 102.

Cross-listed course: ENGL 486, SPCH 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101, ENGL 102.

Cross-listed course: ENGL 487, WGST 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 498 - Seminar in African-American Studies (3 Credits)

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 499 - Seminar in African-American Studies (3 Credits)

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 515 - Race, Gender, and Graphic Novels (3 Credits)

Representations of race and gender in comics with a special emphasis on the experiences of African Americans.

Cross-listed course: WGST 515

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

AFAM 517 - An Anthropological View of Blacks in Film (3 Credits)

Cultural representations, constructions, production, and consumption of African-American identity in the popular culture medium of feature films.

Cross-listed course: ANTH 517

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270 - ENGL 292.

Cross-listed course: ENGL 565, THEA 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

AFAM 580 - Culture and Identity in the African Diaspora (3 Credits)

Students will explore the African Diaspora as a social, cultural, and historical formation with Africa at its center, focusing on US, Latin American, and Caribbean African-descended communities.

Cross-listed course: ANTH 580

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

American Sign Language (ASLG)

ASLG 121 - Elementary American Sign Language (4 Credits)

Introduction to basic vocabulary and common grammar structures of ASL. Focus on communication and familiarization with aspects of deaf culture. This course does not satisfy the foreign language requirements of any college.

ASLG 122 - Basic Proficiency in American Sign Language (4 Credits)

Practice and further development in the language and culture of the American deaf community. This course does not satisfy the foreign language requirement of any college.

Prerequisites: ASLG 121.

Anthropology (ANTH)

ANTH 101 - Primates, People, and Prehistory (3 Credits)

An exploration of human origins, human evolution, human prehistory, and cultural existence from its less complex forms to early civilizations. An introduction to the concepts, methods, and data of physical, biological, and archaeological anthropology.

Carolina Core: GSS

ANTH 102 - Understanding Other Cultures (3 Credits)

An exploration and comparison of selected contemporary cultures, including their languages. An introduction to the concepts, methods, and data of socio-cultural anthropology and anthropological linguistics.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 161 - Human Origins: An Introduction to Biological Anthropology (4 Credits)

An introduction to the science of biological anthropology, a sub-field of anthropology that emphasizes a focus on humanity and its origin from a biological perspective, employing laboratory components to complement and reinforce lecture materials.

Carolina Core: SCI

ANTH 201 - Anthropological Inquiry in Undergraduate Research (3 Credits)

Introduces research-based learning in anthropology from a four-field perspective. To encourage self-reflective, professional thinking and provide experience and practice in professional skills and applications in anthropology.

Graduation with Leadership Distinction: GLD: Research

ANTH 203 - Comparing Cultures Through Film (3 Credits)

Human behavior in differing cultural contexts through ethnographic films of social relations in selected societies.

ANTH 204 - Plagues Past and Present (3 Credits)

An overview of how plagues and epidemics have shaped human prehistory and history. How large-scale social transformations have produced forms of human/disease interactions. How infectious disease has been conceptualized at different times and by different cultural groups and treated as a threat to the social order.

Carolina Core: GSS

ANTH 206 - Anthropology of Magic and Religion (3 Credits)

A comparative examination of such topics as ritual, cosmology, revitalization movements, magic, witchcraft, myth, and possession.

Cross-listed course: RELG 260

ANTH 207 - Gender and Culture (3 Credits)

Anthropological study of gender, with emphasis on cross-cultural investigation of the interaction of biological, cultural, and environmental factors including intersections of race, social class, and sexuality as influences gender behavior.

Cross-listed course: WGST 207

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 208 - Anthropology of Globalization and Development (3 Credits)

Examine cross-cultural definitions and experiences of globalization and development, through topics including colonial legacies of inequality, migration, land use, economic restructuring, media, consumption, tourism, health, and participatory development.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 209 - Introduction to Folklore (3 Credits)

Folk expression as shaped by various cultures; fieldwork methodology and anthropological theory.

ANTH 210 - Human Life Cycles in Different Cultures (3 Credits)

Childhood, maturity, old age, and gender socialization within the family.

Cross-listed course: WGST 210

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 211 - Learning Across Cultures (3 Credits)

Classroom ethnography, bilingualism, cultural minorities, communication across cultural boundaries. Films, videotapes, and fieldwork in classroom settings.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 212 - Food and Culture (3 Credits)

Biological and cultural interactions affecting foodways around the world, and associated ethical issues.

Carolina Core: GSS, VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 213 - Ethnobotany: Plants and Peoples (3 Credits)

Anthropological overview of the interactions between cultures around the world and the plants that affect them, from cultural, biological, archaeological, and linguistic points of view.

Carolina Core: GSS

ANTH 214 - Drinking in Culture: Anthropology of Alcohol (3 Credits)

Cultures of alcohol production and consumption from ancient times to the present, including relationships among social roles of alcohol, technological innovations, agriculture, and economy in an anthropological perspective.

ANTH 216 - Violence and Peace: Anthropological Perspectives (3 Credits)

Violence and peace in current events, cultural practices, historical periods, and everyday experiences. The ethics shaping violence and peace-making strategies. Classroom discussions and lectures analyzing harm and wellbeing. Themes addressing the Values, Ethics, and Social Responsibility (VSR) Carolina Core component, including colonialism, environmental exploitation, bondage, mass extinctions, and racism.

Carolina Core: VSR

ANTH 219 - Great Discoveries in Archaeology (3 Credits)

Survey of key archaeological discoveries from around the world.

ANTH 221 - Forensics of Sherlock Holmes (3 Credits)

Forensic methods of Sherlock Holmes within the context of modern forensic science. Aspects of forensic science including history of the discipline, forensic pathology, entomology, print analyses, crime scene analysis, forensic anthropology, early scientific theory, and anthropological theory of Holmes.

ANTH 223 - Modernity Archaeology and the Recent Past (3 Credits)

Explores the last five centuries of world history, using artifacts and archival sources. Evidence such as probate records, bottles, and geophysical maps are analyzed to discover the age of sites and answers to questions about topics such as colonialism, race, technology, piracy, class, Native Americans, industrialization, slavery, inequality, capitalism, and gender.

ANTH 224 - Indigenous Caribbean Archaeology (3 Credits)

Historical archaeology and ethnography of the Casimiroid, Ortoiroid, Saladoid, Ostionoid, Taino and Carib indigenous culture of the Caribbean from 4,000 BC to 1524 AD. Emphasis on social complexity, religion, art and political organization to illustrate the diversity and richness of Amerindian Caribbean life until their rapid decline after European contact.

ANTH 225 - Archaeology in Film and Popular Culture (3 Credits)

Archaeological images and ideas in modern popular culture, including film and fiction.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 226 - Biblical Archaeology (3 Credits)

The fundamental elements of human culture as it relates to biblical archaeology. The defining characteristics of different kinds of society through interdependency of language and culture. The affects of modern world interests in defining / redefining this area

Cross-listed course: RELG 208

ANTH 227 - Forbidden Archaeology: Fantasies, Frauds, and Mysteries of the Human Past (3 Credits)

History and basis of several popular "fringe" ideas about the human past that utilize archaeological information: giants, Ice Age civilizations, and pre-Columbian transoceanic contact.

ANTH 228 - North American Prehistory (3 Credits)

Prehistoric anthropology in North America from the first arrival of man through the beginning of European acculturation.

ANTH 229 - Southeastern Archaeology (3 Credits)

Major cultural milestones and lifeways experienced by Indians in the archeological record of the southeastern U.S., including colonization, religion, trade, invention of pottery, and place-making.

ANTH 230 - Diversity in the United States (3 Credits)

Application of techniques and insights of social and cultural anthropology to selected cultural settings in contemporary USA.

ANTH 232 - Contemp Cultures of South Carolina (3 Credits)

Application of the methods & techniques of socio-cultural anthropology to the contemporary cultures of SC. Examination of contrasts such as low country and up country, black and white, and rich and poor as they are manifested in cultural patterns.

ANTH 234 - Caribbean Cultures (3 Credits)

Ethnographic approach to Caribbean cultures and societies. Topics include colonial histories and experience, gender and race relations, beliefs and religious life, verbal arts, literature, and Creole language.

ANTH 236 - Cultures of Africa (3 Credits)

A comparative study of ethnographic data on African cultures with emphasis upon its significance for broader anthropological theory.

ANTH 237 - Cultures of Islam (3 Credits)

Diversity of lifestyles and institutions of Islam from Morocco to Indonesia, with attention to everyday life in small communities.

ANTH 238 - Middle Eastern Cultures (3 Credits)

A consideration of selected problems in the social and cultural life of peoples in the Middle East with emphasis on non-Arab populations.

ANTH 240 - South Asian Cultures (3 Credits)

Society and culture in South Asia; economic and political institutions, kinship, and religion as they pertain to the daily lives of people in the Subcontinent. Emphasis on India. Bangladesh, Nepal, Pakistan, and Sri Lanka also included.

ANTH 241 - Southeast Asian Cultures (3 Credits)

Social and cultural patterns of the region and how they influence current developments, especially Indonesia, Thailand, Vietnam, and the Philippines.

ANTH 242 - Chinese Popular Culture (3 Credits)

An overview of Chinese popular culture with an introduction to broad anthropological frameworks concerning popular culture.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 243 - Japanese Cultures (3 Credits)

An exploration of Japanese values and the institutions that shape Japanese behavior through analysis of rural and urban community studies and how Japanese people present themselves.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Internships

ANTH 244 - American Indian Nations Today: From Hard Times to Hard Rock (3 Credits)

Contemporary Indian Country in anthropological, historical, cultural, economic, and political contexts.

Carolina Core: GSS, VSR

ANTH 260 - Planet of the Apes: Behavior and Biology (3 Credits)

A survey of field and laboratory investigations of the comparative anatomy and behavior of nonhuman primates.

ANTH 261 - Human Variation (3 Credits)

The biocultural processes of human variation.

ANTH 262 - Basic Forensic Anthropology (3 Credits)

Survey of the basic scientific methods and applications of forensic anthropology.

ANTH 263 - Medical Experimentation and the Black Body (3 Credits)

A cross-disciplinary study of how the bodies of Africans and African Americans were used in medical experimentation, starting in the late 18th century and continuing to the present.

Cross-listed course: AFAM 365

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 270 - Anthropology of Nonverbal Communication (3 Credits)

Body language, facial expressions, gestures, use of interpersonal space, and other nonverbal systems of communication and behavior in terms of pertinent theories, research methodology, findings, and cross-cultural implications.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ANTH 271 - Language and Popular Culture (3 Credits)

Linguistic anthropological study of forms of language through the lens of popular culture. Explore the ethnography of communication through play and performance, discursive and semiotic practices, and varieties of language invoked in popular cultural forms that provide resources for cultural reproduction and contestation.

Cross-listed course: LING 241

ANTH 273 - Cross-Cultural Communication (3 Credits)

This course introduces students to the fields of interactional sociolinguistics and linguistic anthropology. Students will learn how they approach the study of cross-cultural and intercultural forms of (mis)communication within the context of globally interconnected people, places, and systems of communication.

Cross-listed course: LING 273

Carolina Core: GSS

ANTH 280 - Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout (3 Credits)

Ethnographic study of the Cold War, nuclear culture, and its aftermath.

Carolina Core: GSS, VSR

ANTH 287 - Special Topics in Archaeology (3 Credits)

Topics of special interest in archaeology. May be taken more than once as topics change.

ANTH 288 - Special Topics in Biological Anthropology (3 Credits)

Topics of special interest in biological anthropology. May be taken more than once as topics change.

ANTH 289 - Special Topics in Sociocultural Anthropology (3 Credits)

Topics of special interest in sociocultural anthropology. May be taken more than once as topics change.

ANTH 290 - Special Topics in Linguistic Anthropology (3 Credits)

Topics of special interest in linguistic anthropology. May be taken more than once as topics change.

ANTH 291 - Selected Topics in Anthropology (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 292 - Disease, Health, and Social Inequities (3 Credits)

Course focuses on political and economic processes contributing to the unequal access to health and social inequalities.

ANTH 301 - Latin American Cultures (3 Credits)

Comparative study of selected Latin American cultures with emphasis on their significance for a broader anthropological theory.

Cross-listed course: LASP 311

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 303 - African-American Cultures (3 Credits)

An examination of African-American cultures in the New World.

Cross-listed course: AFAM 303

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 313 - Ethical Dilemmas in Anthropology (1 Credit)

An examination of ethical decision-making encountered in the practice of anthropology.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 318 - Material Culture (3 Credits)

Material aspects of cultures from artifact production in historical societies to contemporary industrial crafts; the cultural context of artifacts; fieldwork; relevant anthropological theories.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 319 - Principles of Archaeology (3 Credits)

Introduction to principles, methods, and theory of archaeology, including prehistoric and historic case studies.

ANTH 320 - Archaeology Theory (3 Credits)

This course charts the history of ideas in archaeology, over the past century, as a means of understanding current directions in archaeological thinking and current applications in archaeological practice.

Prerequisites: ANTH 319.

ANTH 321 - South Carolina Archaeology (3 Credits)

Prehistoric and historic archaeology of South Carolina.

ANTH 322 - Field School in Archaeology (3-6 Credits)

Archaeological field techniques, laboratory analysis and data interpretation.

Prerequisites: ANTH 319.

ANTH 323 - Field School in Ethnography (3-6 Credits)

Designing and carrying out ethnographic research including project design, data collection, analysis and description.

ANTH 324 - Ethnoarchaeology (3 Credits)

Current research on use of modern material culture in archaeological analysis.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 327 - Prehistoric Civilizations of the New World (3 Credits)

Study of Mesoamerican and South American civilizations, particularly the Mayan, Aztec, and Inca states. Processes of state formation as reflected in archaeological data.

Cross-listed course: LASP 325

ANTH 328 - Ancient Civilizations (3 Credits)

Causes for the rise and fall of several civilizations; ideological and ecological factors, unique events, and personalities versus general processes.

ANTH 331 - Mesoamerican Prehistory (3 Credits)

Cultural development and variation in Mesoamerica from the first arrival of man to the arrival of Europeans. Particular attention to cultural continuities from prehistoric times.

Cross-listed course: LASP 322

ANTH 342 - Environmental Anthropology: Cross-cultural Perspectives on Environmental Change (3 Credits)

Cross-cultural perspectives on environmental issues.

Cross-listed course: ENVR 342

ANTH 349 - Anthropology of Work (3 Credits)

Techniques, customs, verbal expressions, and expressive styles of workers in a variety of occupational cultures.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 350 - Anthropology & Development (3 Credits)

An examination of political and economic change in contemporary peasant communities.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 351 - The Family in Cross-Cultural Perspective (3 Credits)

Kinship, systems of descent, marriage, and domestic organization in different cultures. Variations in childrearing practices, gender, and other aspects of social relations in kin groups.

Cross-listed course: WGST 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 353 - Anthropology of Law and Conflict (3 Credits)

Understanding human behavior through the examination of cultural norms, mechanisms of social control, and social conflict.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 355 - Language, Culture, and Society (3 Credits)

Language in its social setting. The relationship between linguistic categories and culture categories. Language and cognition.

Cross-listed course: LING 340

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 356 - Anthropology of Art (3 Credits)

Sculpture, drama, ceramics, weaving, music, and other arts from tribal societies will be discussed in terms of the religious, social, and aesthetic principles that underlie their production, use, and interpretation.

ANTH 357 - Psychological Anthropology (3 Credits)

Cultural differences and pan-cultural similarities in such psychological features as personality and cognition.

ANTH 359 - Theories of Culture (3 Credits)

Theory and practice of ethnology/sociocultural anthropology, based on a wide range of simple and complex societies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 360 - Anthropology of Sex (3 Credits)

An overview of human sexuality in different cultures in regions across the globe; an examination of anthropological frameworks for sexuality that draws on historical and modern cultural conceptions.

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 361 - Becoming Human (3 Credits)

The processes of hominoid development with a review of the basic principles of physical and behavioral evolution using the fossil record and the evolving ecological and psychosocial contexts.

ANTH 366 - Medicine, Disease, and Slavery (3 Credits)

An interdisciplinary study of the health of enslaved African Americans during the nineteenth century by focusing on the conceptions, experiences, and dynamics of the relationship between slaves, medicine, healing, and their masters in the Antebellum American South.

Cross-listed course: AFAM 366

ANTH 371 - Ethnography of Communication (3 Credits)

Ethnographic analysis of communication in human groups and institutions.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 373 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: LING 300, PSYC 470

ANTH 374 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: LING 474, PSYC 474

ANTH 381 - Gender and Globalization (3 Credits)

Examines the dialectic between globalization and the social construction of gender. Topics include the global assembly line, transnational markets for domestic labor and sex workers, and global feminist alliances.

Prerequisites: C or better in ANTH 102 or WGST 112.

Cross-listed course: WGST 381

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 388 - Cultures, Pregnancy, and Birth (3 Credits)

Anthropological study of pregnancy and birth with a cross-cultural focus comparing the United States to other nations. Examination of cultural factors such as prenatal care, dietary practices, taboos, birth location, practitioners, and birthing styles.

Cross-listed course: WGST 388

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 391 - Selected Topics in Anthropology (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 392 - Global Women's Health (3 Credits)

This course examines health concerns important to the lives of women around the world through an overview of contemporary issues and challenges in the field of global health, broadly construed.

Cross-listed course: WGST 392

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 396 - Toxic Environments and Invisible Harms (3 Credits)

An anthropological approach to the study of environmental health, toxicity, and environmental injustice in comparative context.

ANTH 399 - Independent Study (3-6 Credits)

Graduation with Leadership Distinction: GLD: Research

ANTH 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: AFAM 442, ENGL 457, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 497 - Internship in Anthropology (3 Credits)

Supervised internship/experiential learning experience relevant to one of the four fields of anthropology.

Prerequisites: C or better in ANTH 102; C or better in ANTH 101 or ANTH 161.

ANTH 498 - Senior Thesis (3 Credits)

Directed research resulting in a written report.

Prerequisites: GPA of 3.00.

Graduation with Leadership Distinction: GLD: Research

ANTH 499 - In the Tradition of Anthropology (3 Credits)

A seminar synthesizing the major with an examination of anthropology as a field of inquiry.

ANTH 512 - Gender Issues in China (3 Credits)

Anthropology of gender in Chinese-speaking cultures in Chinese-speaking Asia.

ANTH 513 - Anthropological Ethnobotany (3 Credits)

Survey of how each anthropological subfield studies the interrelationships between plants and peoples. Application of methods, including interviewing and data analysis.

ANTH 515 - Tradition and Transformations in Islamic Cultures (3 Credits)

Islam as a dynamic cultural tradition: emphasis on the tension between Islamization and the larger Islamic tradition.

Cross-listed course: RELG 551

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

ANTH 517 - An Anthropological View of Blacks in Film (3 Credits)

Cultural representations, constructions, production, and consumption of African-American identity in the popular culture medium of feature films.

Cross-listed course: AFAM 517

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 518 - Visual Cultures (3 Credits)

Survey of visual anthropology including theoretical frameworks of ways of seeing, ethnographic photography and filmmaking, contemporary technologies, and their effects on culture.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 520 - Field Problems in Ethnology (6 Credits)

A two-semester class and field session. Research design, field methods, interpretation of data, and the development of theory from the data.

ANTH 525 - Ethnoecology (3 Credits)

Seminar exploring human-plant-animal-natural interactions within an anthropological framework.

ANTH 533 - North American Archaeology (3 Credits)

Prehistoric and historic archaeology.

ANTH 534 - Prehistoric Archaeology of South America (3 Credits)

Prehistoric archaeology of the South American continent.

Cross-listed course: LASP 425

ANTH 535 - Conflict Archaeology (3 Credits)

Anthropological and archaeological theories and methods in the study of conflict, war, and warfare. Causes, effects, outcomes of sustained social acts of violence of groups, tribes, states, and nations. Evolutionary, biological, social origins of warfare. History, strategy, and tactics, battlefield archaeology.

ANTH 536 - Public Archaeology (3 Credits)

Philosophy and mechanics of modern archaeological Cultural Resource Management (CRM). CRM legislation, regulation, and process. Contemporary issues and problems in Public Archaeology including Native American reburial negotiations, conflict resolution, ethics, looting, business practices, standards, contexts and protection.

ANTH 541 - Field Problems in Archaeology (3 Credits)

Archaeological field methods and techniques such as excavation, flotation, sampling, surveying, photography, and remote sensing.

Prerequisites: ANTH 320.

ANTH 546 - Forensic Archaeological Recovery (FAR) (3 Credits)

Introduction to Forensic Archaeological Recovery (FAR). Concepts, methods, and contemporary issues.

ANTH 550 - Archaeological Laboratory Methods (3 Credits)

Laboratory on basic prehistoric and historic artifact analysis, including analytical methods, laboratory equipment, and data interpretation. May be repeated.

Prerequisites: ANTH 319 or ANTH 322.

ANTH 551 - Medical Anthropology: Fieldwork (3 Credits)

Application of observation techniques, field notes, informant interviewing, and secondary data analysis to interpreting differential perceptions of health problem solving in the community and clinic.

ANTH 552 - Medical Anthropology (3 Credits)

Socio-cultural factors in health, illness, healing, and in medical systems. Cross-cultural and ethnographic evidence for public health research and program applications.

Cross-listed course: HPEB 552

Graduation with Leadership Distinction: GLD: Research

ANTH 553 - Anthropological Approaches to Narrative and Performance (3 Credits)

The ways people from various cultures reflect on, reinforce, and construct their social realities through narrating, which will be considered as both artistic expression and social action.

Cross-listed course: LING 545

ANTH 555 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: LING 541, WGST 555

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 556 - Language and Globalization (3 Credits)

Anthropological approach to issues of language and globalization. Linguistic consequences of globalization under consideration include communicative patterns, linguistic change, and language and political economy.

Cross-listed course: LING 556

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 557 - Psychological Anthropology (3 Credits)

Psychological aspects of behavior from a cross-cultural perspective.

ANTH 561 - Human Osteology (4 Credits)

An intensive examination of the human skeleton and techniques for anthropological interpretation.

ANTH 565 - Health and Disease in the Past (3 Credits)

Varieties and effects of disease patterns among past populations illustrating biological, environmental, and cultural interrelationships.

ANTH 567 - Human Identification in Forensic Anthropology (3 Credits)

Theories and methodologies necessary for the identification of human skeletal remains in a forensic setting.

ANTH 568 - Nutritional Anthropology (3 Credits)

Nutritional problems in developing nations. Measures of nutritional status. Social, economic, and environmental aspects of food consumption and nutrition. Biocultural responses to food deprivation and undernutrition.

ANTH 569 - International Development and the Environment (3 Credits)

Intersections of international development and environmental change; study of general theoretical perspectives balanced with case studies from the Global South.

Cross-listed course: GEOG 569

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

ANTH 570 - Ethnographic Film (3 Credits)

Problems in conveying and interpreting ethnographic information on film or tape. Includes syntax, suitability of subject matter to the medium, irrelevant or distracting information, and observer bias.

ANTH 572 - Temporal Processes in Culture (3 Credits)

Clocks, cycles, and contingencies as they affect human societies now and have done so in the past. Theories and models from biology and the other natural sciences will be used to interpret the history of culture.

ANTH 575 - Economic Anthropology (3 Credits)

A cross-cultural study of the economic behavior of pre-literate and literate societies.

ANTH 576 - Archaeology of the African Diaspora (3 Credits)

Foodways, architecture, crafts, and narrative of African-American cultures.

ANTH 577 - Advanced Topics in the Anthropological Study of Social Organization (3 Credits)

Selected recent theoretical and methodological developments in the study of social organization.

ANTH 579 - Cultural Ecology (3 Credits)

An interdisciplinary approach to prehistoric, historic, and contemporary relationships between the development of socio-cultural configurations and ecosystems.

ANTH 580 - Culture and Identity in the African Diaspora (3 Credits)

Students will explore the African Diaspora as a social, cultural, and historical formation with Africa at its center, focusing on US, Latin American, and Caribbean African-descended communities.

Cross-listed course: AFAM 580

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ANTH 581 - Globalization and Cultural Questions (3 Credits)

This course examines cultural understandings of and responses to globalization, examining topics such as its history and theories, migration, economic integration and inequality, identity, social movements, and the environment.

Cross-listed course: GEOG 581

Graduation with Leadership Distinction: GLD: Global Learning

ANTH 586 - Discourse, Gender, and Politics of Emotion (3 Credits)

Anthropological approach to issues of discourse, gender, and emotion. Issues under consideration include the social control, force, and forms of emotional discourse and the relationship between emotion and culture from gender-oriented perspectives.

Cross-listed course: LING 543

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ANTH 591 - Selected Topics (1-3 Credits)

Topics of special interest. May be taken more than once as topics change.

ANTH 600 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ENGL 680, LING 600

ANTH 699 - Reading and Research (3-6 Credits)

Arabic (ARAB)

ARAB 121 - Elementary Arabic (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Offered only in fall.

Carolina Core: GFL

ARAB 122 - Basic Proficiency in Arabic (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Arabic 121. Offered only in spring.

Carolina Core: GFL

ARAB 201 - Intermediate Arabic (3 Credits)

Continuation of reading, writing, and speaking Arabic.

Prerequisites: ARAB 122.

ARAB 202 - Intermediate Arabic (3 Credits)

Increased emphasis on reading and writing skills in Arabic.

Prerequisites: ARAB 201.

ARAB 280 - Introduction to Modern Arab Culture (3 Credits)

Introduction to Arab culture (literature, music, film, and art) from the 19th century to the present.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ARAB 301 - Advanced Arabic Language I (3 Credits)

This course builds on grammar and vocabulary by reading and listening to authentic Arabic materials. By semester's end, the student will be able to write in detail and comprehend and use advanced vocabulary grammar and syntax in all forms of expression.

Prerequisites: Arabic 202 or equivalent.

ARAB 302 - Advanced Arabic Language II (3 Credits)

This course is a continuation of ARAB 301 and builds on grammar and vocabulary by reading and listening to authentic Arabic materials. By semester's end, the student will be able to write in detail and comprehend and use advanced vocabulary grammar and syntax.

Prerequisites: ARAB 301 or equivalent.

ARAB 310 - Conversational Arabic (3 Credits)

Practical drills in aural-oral skills to develop facility in the spoken language.

Prerequisites: ARAB 202.

ARAB 311 - Colloquial Arabic II (3 Credits)

Continued instruction in colloquial (spoken) Arabic with a focus on oral and aural competencies, discussing aspects of the local culture, and working with media produced in the local variety of Arabic. Course may be repeated as the variety of Arabic may change.

Prerequisites: ARAB 310 or equivalent.

ARAB 320 - Introduction to Modern Arab Literature in Translation (3 Credits)

Introduction to dominant trends and genres in nineteenth and twentieth century Arabic literature.

ARAB 398 - Selected Topics (3 Credits)

Selected literary topics of the Arab world. May be repeated for credit under different titles. Taught in English.

ARAB 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ARAB 401 - Advanced Arabic I (3 Credits)

Acquisition of advanced grammar and vocabulary. Increased focus on reading, writing, and discussion in Modern Standard Arabic.

Prerequisites: C or better in ARAB 302 or equivalent.

ARAB 402 - Advanced Arabic II (3 Credits)

Continued acquisition of advanced grammar and vocabulary. Increased focus on reading, writing, and discussion in Modern Standard Arabic.

Prerequisites: ARAB 401 or equivalent.

ARAB 615 - Intensive Readings in Arabic (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course.

Undergraduates may take the course as an elective only. Grades S/U for graduates and undergraduates.

Art Education (ARTE)

ARTE 101 - Introduction to Art (3 Credits)

Introduction to art appreciation. Elements and principles of the visual arts, with examples from the history of art.

Carolina Core: AIU

ARTE 201 - Special Topics in Art Education (3 Credits)

Topics selected by the instructor for specialized study. Course content may include a variety of new, contemporary, and emerging art-related issues that are not regularly included in the general art education curriculum. May be repeated.

ARTE 260 - Interdisciplinary Relationships in the Arts (3 Credits)

The study of relationships among visual arts, music, theatre, and dance.

Carolina Core: AIU

ARTE 345 - Art Evaluation (3 Credits)

The language of art is taught through viewing, interpreting, producing, and appreciating art. Historical and contemporary art criticism; methods of teaching art criticism to children and young adults.

ARTE 399 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTE 520 - Art for Elementary Schools (3 Credits)

Methods of teaching art to elementary and preschool children. Major emphasis will be given to relevant studio experiences.

ARTE 525 - Elementary Methods for K-12 Art Certification (3 Credits)

Curriculum, methods, and materials for teaching art to elementary and preschool children.

ARTE 525P - Elementary Methods for K-12 Art Certification Practicum (1 Credit)

Experiential practice and learning in elementary schools.

Corequisite: ARTE 525.

ARTE 530 - Art of Children (3 Credits)

A study of prominent theories of the artistic development of children from infancy through adolescence. Students will examine children's art from various age groups and apply theoretical explanations to these observations.

ARTE 540 - The School Art Program (3 Credits)

An introduction to art education as a profession. The history, curricular development, and current issues are examined. Students practice proven teaching techniques.

Prerequisites: ARTE 520.

ARTE 540P - Practicum in Art Education (1 Credit)

A sequence of supervised practicum experiences in middle and secondary school art education settings. Seminars and group discussions.

Corequisite: ARTE 540.

ARTE 550 - Incorporating New Media in Art Education (3 Credits)

Applications new media such as digital photography, sound, and other interactive hypermedia for the art classroom. Emphasis on integrating art production with art history, criticism, and aesthetics.

ARTE 560 - Secondary Methods for K-12 Art Certification (3 Credits)

Curriculum, methods, and materials for teaching art to secondary school students.

Corequisite: ARTE 560P.

ARTE 560P - Secondary Methods for K-12 Art Certification Practicum (1 Credit)

Curriculum, methods, and materials for teaching art to secondary school students. Note: ARTE 560 and ARTE 560P cannot be taken simultaneously with ARTE 540 and 540P.

Prerequisites: C or better in ARTE 525 and ARTE 525P.

Corequisite: C or better in ARTE 560.

ARTE 565 - Field Experience Seminar (3 Credits)

Corequisite: EDSE 471.

ARTE 571 - Directed Teaching in Art (12 Credits)

Students seeking K-12 certification in art participate in directed teaching in elementary and secondary art programs while being supervised by an art education faculty member. Students are evaluated using a state-mandated assessment tool. Completion of course work in art education, admission to professional program, College of Education, and FBI check are required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTE 595 - Art Education Workshop (1-6 Credits)

A workshop especially for teachers and prospective teachers, featuring practical art experiences and projects for elementary and secondary school. Topic varies by title.

Art History (ARTH)

ARTH 105 - History of Western Art I (3 Credits)

The visual arts from Paleolithic times to the Renaissance.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 106 - History of Western Art II (3 Credits)

The visual arts from the Renaissance to the present.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 107 - History of Asian Art (3 Credits)

Art and culture of India, China, and Japan from prehistory to the present.

Carolina Core: GHS

ARTH 312 - Greek Art and Archaeology (3 Credits)

A survey of ancient architecture, painting, and sculpture 2000-160 B.C.

Cross-listed course: CLAS 340

ARTH 313 - History of Roman Art (3 Credits)

An examination of the development of architecture, painting, and sculpture until the end of the Roman Empire.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 315 - History of Medieval Art (3 Credits)

A survey of architecture, painting, and sculpture in Europe during the Middle Ages.

ARTH 320 - History of Italian Renaissance Art (3 Credits)

The origins and development of Renaissance painting, sculpture, and architecture in Italy during the 15th and 16th centuries.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 321 - History of Northern Renaissance Art (3 Credits)

The arts of Northern Europe during the 15th and 16th centuries with particular emphasis on the developments in the Low Countries, Germany, and France.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 325 - History of Southern Baroque Art (3 Credits)

The art and architecture of Italy and Spain in the 17th century.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 326 - History of Northern Baroque Art (3 Credits)

The art and architecture of Holland, Flanders, France, England, Germany, and Austria in the 17th century.

Graduation with Leadership Distinction: GLD: Global Learning

ARTH 327 - History of 18th-Century European Art (3 Credits)

A survey of eighteenth-century European painting and sculpture, following the lives and works of major artists, changes in style and taste against the backdrop of a broader cultural and historical context.

ARTH 330 - History of 19th-Century European Art (3 Credits)

A survey of nineteenth-century European painting and sculpture, following the lives and works of major artists, changes in style and taste against the backdrop of a broader cultural and historical context.

ARTH 333 - Art, Anatomy, and Medicine, 1700-Present (3 Credits)

Considers anatomical instruction in artistic training; anatomy and ideas of beauty and morality; role of art in dissemination of anatomical/medical information; why artistic representations of medicine and anatomy feature in popular culture; role of art in medical training; how art has imagined anato-medical improbabilities that are now reality.

ARTH 335 - History of 20th Century Art (3 Credits)

A survey of architecture, painting, and sculpture in the 20th century.

ARTH 337 - History of Modern Architecture (3 Credits)

Architecture from the turn of the century until the present.

ARTH 340 - History of American Art I (3 Credits)

A survey of the history of art in America from colonial times to 1860.

ARTH 341 - History of American Art II (3 Credits)

A survey of art in America from 1860 to the present.

ARTH 342 - Contemporary American Art (3 Credits)

Recent trends in painting and sculpture.

ARTH 345 - History of Asian Art (3 Credits)

A survey of the visual arts of India, China, and Japan from prehistory to the present.

ARTH 346 - African Art (3 Credits)

Sculpture, painting, architecture of Sub-Saharan Africa.

ARTH 350 - History and Theory of Art Criticism (3 Credits)

Art criticism from antiquity to the present.

ARTH 366 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

ARTH 390 - Topics in Art History (3 Credits)

Topic varies by title.

ARTH 399 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTH 498 - Independent Study (3 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTH 499 - Independent Study (3 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTH 501 - Methodologies of Art History (3 Credits)

A seminar for art history majors and graduate students in the history and various methodologies of the discipline.

ARTH 503 - Internship in Art History (1-6 Credits)

Supervised experience in the field of art history, including museums, galleries, art dealers and auction houses. Requires a university internship contract and is subject to approval by advisor. May be repeated.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTH 511 - Etruscan Art and Archaeology (3 Credits)

Seminar in the art and civilization of the pre-Roman Etruscan peoples of Italy. Slide lectures, discussion sessions, and some examination of archaeological field methods and pottery classification.

ARTH 514 - Topics in Ancient Art (3 Credits)

Topic varies by title.

ARTH 519 - Topics in Medieval Art (3 Credits)

Topic varies by title.

ARTH 520 - History of Renaissance Painting (3 Credits)

An analysis of the paintings and painters of importance during the period of the Renaissance in Europe.

ARTH 521 - History of Renaissance Sculpture (3 Credits)

A survey of the major developments in the art of sculpture associated with the European Renaissance.

ARTH 522 - History of Renaissance Architecture (3 Credits)

European architecture and architectural theory during the 15th and 16th centuries.

ARTH 523 - Florentine Art (3 Credits)

The artistic development of Florence from the age of Giotto to that of Michelangelo as seen in the context of social and cultural developments.

ARTH 524 - Topics in Renaissance Art (3 Credits)

Topic varies by title.

ARTH 525 - History of Baroque Painting (3 Credits)

17th-century European painting.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 526 - History of Baroque Sculpture (3 Credits)

17th and 18th-century European sculpture.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 527 - History of Baroque Architecture (3 Credits)

The architecture of Europe in the 17th century with special attention to the major architects of Italy, France, Germany, and England. Topics to be included are: the church, the palace, the garden, and city planning.

Prerequisites: ARTH 106 or ARTH 325 or ARTH 326.

ARTH 529 - Topics in 18th-Century Art (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 327.

ARTH 534 - Topics in 19th-Century Art (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 330.

ARTH 535 - History of Modern Painting (3 Credits)

A detailed examination of 20th century painting.

ARTH 536 - History of Modern Sculpture (3 Credits)

The development of sculpture in the 19th and 20th centuries with special attention to contemporary tendencies.

ARTH 537 - Topics in Modern Architecture (3 Credits)

Topic varies by title.

Prerequisites: ARTH 106 or ARTH 337.

ARTH 539 - Topics in Modern Art (3 Credits)

Topic varies by title.

ARTH 540 - History of American Painting (3 Credits)

Important aspects of American painting with emphasis on the 19th and 20th centuries.

ARTH 542 - History of American Architecture (3 Credits)

A consideration of the evolution of architecture in America including aspects of town and city planning.

ARTH 543 - The History of American Antiques and Decorative Arts (3 Credits)

A survey of our material culture concentrating upon the evolution of styles.

ARTH 544 - Topics in American Art (3 Credits)

Topic varies by title.

ARTH 545 - Special Topics in Modern Chinese Art (3 Credits)

Topics in modern Chinese art selected for specialized study. May be repeated as content varies by title.

ARTH 546 - Special Topics in Asian Art (3 Credits)

Topics in Asian art selected for specialized study. May be repeated as content varies by title.

ARTH 549 - Topics in Non-Western Art (3 Credits)

Topic varies by title.

ARTH 550 - Trends in Art History (3 Credits)

A critical examination of the development of the discipline of art history and an analysis of its major trends and theoretical positions.

ARTH 551 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 511, MART 591

ARTH 557 - History of Printmaking (3 Credits)

Technical, aesthetical, and historical study of the development of printmaking.

ARTH 560 - Museology I (3 Credits)

The history and theory of museums and an introduction to museum practices in the setting of a multi-disciplinary institution. Practical experience provided through the various units of the University Museums.

ARTH 561 - Museology II (3 Credits)

Museum practices emphasizing the conservation, installation, and interpretation of the object in the context of an art museum. Practical experience provided through the Columbia Museum of Art.

ARTH 562 - Art Conservation (3 Credits)

History, theory, practices, ethics, and procedures of modern art conservation. Practical experience provided through the South Carolina Institute of Archaeology and Anthropology.

ARTH 569 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: C or better in FAMS 300.

Cross-listed course: FAMS 510, MART 592

ARTH 590 - Topics in Art History (3 Credits)

Topic varies by title.

Prerequisites: ARTH 105 or ARTH 106 or any ARTH 300.

ARTH 599 - Independent Study (1-6 Credits)

Independent study for advanced undergraduate majors and graduate students in art history. Approved independent study contract required for enrollment. May be repeated, but no more than 12 credits of Independent Study may be applied to the degree.

Art Studio (ARTS)

ARTS 102 - Design Technology and Concepts (3 Credits)

Fundamental methods of solving visual problems found in the design arts with an emphasis on clarity and immediacy of solutions for a general audience.

ARTS 103 - Fundamentals of Art (3 Credits)

Introduction to visual thinking and principles of two-dimensional design.

Carolina Core: AIU

ARTS 104 - 3-Dimensional Design I (3 Credits)

Introduction to visual thinking and principles of three-dimensional design.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Research

ARTS 107 - Color and Composition (3 Credits)

Color, color theory, and compositional systems.

Prerequisites: ARTS 103.

ARTS 111 - Basic Drawing I (3 Credits)

Introduction to the materials and basic techniques of drawing.

ARTS 145 - Design Technology & Concepts / Portfolio Review (1 Credit)

Portfolio review of work completed in ARTS 102. This one-credit course is required for progression in the Art Studio BFA concentration in Graphic Design.

Prerequisites: C or better in ARTS 102.

ARTS 210 - Introduction to Painting (4 Credits)

An introductory course in the materials and techniques of painting.

Carolina Core: AIU

ARTS 211 - Beginning Painting II (4 Credits)

Exploration of materials and techniques of painting with emphasis on individual creative expression.

ARTS 215 - Introduction to Printmaking (4 Credits)

An introductory course in printmaking with emphasis on monotype, relief, and intaglio processes.

ARTS 220 - Beginning Ceramics (4 Credits)

An introduction to the materials and techniques of ceramics through hand-building and throwing on the wheel.

ARTS 225 - Introduction to Three-Dimensional Studies (4 Credits)

An introductory course in the concepts, materials, and techniques of three-dimensional media.

Prerequisites: C or better in ARTS 104.

ARTS 230 - Introduction to Drawing (4 Credits)

Building on foundational skills acquired in ARTS 111, this course further develops skills in observation, composition, spatial awareness, drawing technique and critical language.

Prerequisites: C or better in ARTS 111.

ARTS 232 - Figure Structure I (4 Credits)

The structural nature of figure, with emphasis on the translation of form in space onto a two-dimensional surface.

Prerequisites: C or better in ARTS 230.

ARTS 233 - Figure Structure II (4 Credits)

Drawing from the human figure.

Prerequisites: C or better in ARTS 230.

ARTS 235 - Introduction to Fiber Arts (4 Credits)

An introductory course in the materials and processes of fiber arts.

ARTS 241 - Color for Design (4 Credits)

Color theory, systems, and applications in visual communications.

Graduation with Leadership Distinction: GLD: Research

ARTS 245 - Typographic Design I (4 Credits)

Fundamental concepts in graphic design with a focus on formal issues, employing fundamental visual communication principles, image development, and traditional and modern relevant digital applications.

Prerequisites: C or better in ARTS 102.

ARTS 246 - Typographic Design II (4 Credits)

Fundamental concepts in typography with a focus on long form text, hierarchy of emphasis, anatomy, pairings and exploration of grid systems using traditional and modern relevant digital applications.

ARTS 255 - Introduction to Jewelry Making (4 Credits)

Introduction to concepts and design of jewelry objects in a variety of metals and other materials.

ARTS 260 - Photography for Non-Majors (3 Credits)

Photographic history, theory, and practice with emphasis on developing a personal vision through the use of digital still cameras.

ARTS 261 - Introduction to Photography (4 Credits)

A thorough grounding in 35mm black and white photography using both digital and traditional output, as well as the aesthetics of the photograph as a personal artistic expression.

ARTS 265 - Illustration I (4 Credits)

Beginning illustration projects emphasizing principles of visual communication, development of resource material, composition and preparation of sketches, comprehensives, and finished illustrations in a variety of media.

Prerequisites: C or better in ARTS 102 and ARTS 111.

ARTS 266 - Illustration II (4 Credits)

Intermediate illustration projects emphasizing principles of visual communication, development of resource material, composition and preparation of sketches, comprehensives, and finished illustrations in a variety of media.

Prerequisites: C or better in ARTS 265.

ARTS 310 - Intermediate Painting I (4 Credits)

An exploration of painting as a means of multi-sensory expression through visual experience.

ARTS 311 - Intermediate Painting II (4 Credits)

An exploration of the depiction of space and form in painting with a continued emphasis on materials and techniques combined with individual creative expression.

ARTS 315 - Intermediate Printmaking I: Relief (4 Credits)

Linoleum, woodblock printing, and other relief techniques including the execution of original works in these media.

ARTS 316 - Intermediate Printmaking II: Screen (4 Credits)

Screen printing techniques including the execution of original works in these media.

ARTS 320 - Intermediate Ceramics I (4 Credits)

Concentration on development of throwing skills. Experimentation with clay and glaze chemistry.

ARTS 321 - Intermediate Ceramics II (4 Credits)

Concentration on hand-building skills. Glaze experimentation and ceramic materials will be researched.

ARTS 325 - Intermediate Three-Dimensional Studies I (4 Credits)

Contemporary principles in various three-dimensional media.

Prerequisites: C or better in ARTS 225.

ARTS 326 - Intermediate Three-Dimensional Studies II (4 Credits)

Further study of various three-dimensional media.

Prerequisites: C or better in ARTS 225.

ARTS 330 - Intermediate Drawing I (4 Credits)

Enhancing graphic richness in drawings with intellectual and visual perception as content.

Prerequisites: C or better in ARTS 230.

ARTS 331 - Intermediate Drawing II (4 Credits)

Contemporary cultural stimuli as the content for drawing projects. Emphasis on intellectual and emotive approaches.

Prerequisites: C or better in ARTS 230.

ARTS 335 - Intermediate Fiber Arts I (4 Credits)

Exploration of fiber constructions such as weaving, spinning, and feltmaking.

Prerequisites: C or better ARTS 235.

ARTS 336 - Intermediate Fiber Arts II (4 Credits)

Exploration of fiber surface design techniques such as batik, tie dye, and block printing.

Prerequisites: C or better in ARTS 335.

ARTS 345 - Visual and Verbal Interaction (4 Credits)

Intermediate level exploration of current issues in type and image through complex design problems employing a variety of media.

Prerequisites: C or better in ARTS 145, ARTS 245 and ARTS 246.

ARTS 346 - Process and Systems (4 Credits)

Advanced design course in the development of a range of self-directed content and emphasizing creation of cohesive messaging systems covering a wide range of media. Creation of identity systems based on research and appropriate to content, context, and audience. Media may span environmental, motion, print, web, and packaging. Discussion of current design issues and trends.

Prerequisites: C or better in ARTS 345.

ARTS 347 - Interaction Design (4 Credits)

Investigation and practice of user interface and user experience design for digital products as a contemporary fine art and communication medium.

Prerequisites: C or better in ARTS 145, ARTS 245 and ARTS 246.

ARTS 355 - Intermediate Jewelmaking I (4 Credits)

Jewelry fabrication using the centrifugal casting methods.

Prerequisites: C or better in ARTS 255.

ARTS 356 - Intermediate Jewelmaking II (4 Credits)

Jewelry fabrication using the electroforming method.

Prerequisites: C or better in ARTS 355.

ARTS 360 - Advanced Black & White Photography (4 Credits)

Continuation of black and white photographic techniques introduced in ARTS 261. Introduction to advanced exposure and film development, exhibition quality printing and presentation, medium and large-format cameras, b&w digital output and darkroom experimentation.

Prerequisites: C or better in ARTS 261.

ARTS 361 - Digital Photography (4 Credits)

Exploration of digital imaging techniques including image adjustment and printing methods with an emphasis on color photography.

ARTS 370 - Special Topics in Graphic Design (4 Credits)

Specialized investigation into relevant current trends in graphic design.

Prerequisites: C or better in ARTS 245 or ARTS 246.

ARTS 371 - Special Topics in Illustration (4 Credits)

Specialized investigation into relevant current trends in illustration.

Prerequisites: C or better in ARTS 246.

ARTS 390 - Special Topics in Art Studio (3 Credits)

Investigation and analysis of various thematic concepts, processes, and techniques in a variety of media. Content varies by course title.

ARTS 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ARTS 410 - Advanced Painting I (4 Credits)

Advanced development of individual direction in painting the human figure from a live model. Special emphasis on material selection and formal principles of painting as applied toward individual goals.

Prerequisites: C or better in ARTS 310 or ARTS 311.

ARTS 411 - Advanced Painting II (4-6 Credits)

Advanced development of individual direction in painting and skills in the representation of the human figure working observationally from the live model. Special emphasis on material selection and formal principles of painting as applied toward individual goals.

Prerequisites: C or better in ARTS 310 or ARTS 311.

ARTS 415 - Advanced Printmaking I: Intaglio (4 Credits)

Intaglio techniques, such as drypoint, etching and collagraph, including the execution of original works in these media.

ARTS 416 - Advanced Printmaking II: Lithography (4-6 Credits)

Lithography techniques, including the execution of original works in these media.

ARTS 420 - Advanced Ceramics I (4 Credits)

Further development of throwing and hand-building skills. Introduction to kiln firing and continued glaze and clay experimentation.

Prerequisites: C or better in ARTS 320 or ARTS 321.

ARTS 421 - Advanced Ceramics II (4-6 Credits)

Further development of throwing and hand-building skills. Continued development of kiln-firing methodology. Research in clay and glaze technology.

Prerequisites: C or better in ARTS 420.

ARTS 425 - Advanced Three-Dimensional Studies I (4 Credits)

The development of fabrication skills and creative expression in various three-dimensional media.

Prerequisites: C or better in ARTS 325 or ARTS 326.

ARTS 426 - Advanced Three-Dimensional Studies II (4-6 Credits)

Further development of fabrication skills and creative expression in various three-dimensional media.

Prerequisites: C or better in ARTS 325 or ARTS 326.

ARTS 430 - Advanced Drawing I (4 Credits)

Development of a thematic approach to drawing in a series of individual and group generated artworks.

Prerequisites: C or better in ARTS 330 or ARTS 331.

ARTS 431 - Advanced Drawing II (4-6 Credits)

Development of highly individualized content in a series of drawings.

Prerequisites: C or better in ARTS 430.

ARTS 435 - Advanced Fiber Arts I (4 Credits)

Advanced study of materials and techniques of fiber arts with emphasis on individual creative expression.

Prerequisites: C or better in ARTS 336.

ARTS 436 - Advanced Fiber Arts II (4 Credits)

Advanced study of materials and techniques of fiber arts with emphasis on individual creative expression.

Prerequisites: C or better in ARTS 435.

ARTS 445 - Time and Sequence (4 Credits)

Advanced motion projects involving time and sequencing with both visual and verbal elements using a variety of media.

Prerequisites: C or better in ARTS 246 or MART 371.

ARTS 446 - Structures (4 Credits)

Advanced exploration of 3D graphic design projects.

Prerequisites: C or better in ARTS 104 or ARTS 246.

ARTS 447 - Senior Project I (4 Credits)

Individual final project in graphic design.

Prerequisites: C or better in ARTS 445.

Graduation with Leadership Distinction: GLD: Research

ARTS 448 - Portfolio Studio (4 Credits)

Preparation of students for professional practice and job seeking.

Development of online and print portfolios, and other collateral.

Contemporary design and illustration practices through discussions, reading, writing, guest speakers, and studio visits. Emphasis on assisting each student in preparing for their unique future.

Prerequisites: C or better in ARTS 346.

ARTS 449 - Graphic Design Practicum (4 Credits)

Practical design experience for students through design or publicity problems in non profit organizations.

Prerequisites: C or better in ARTS 345 or ARTS 346.

ARTS 450 - Intermedia Studio I (4 Credits)

Advanced intermedia; formal and conceptual problems associated with combining multiple forms of imaging processes.

ARTS 451 - Intermedia Studio II (4 Credits)

Advanced intermedia; creation of portfolio work combining multiple forms of imaging processes.

ARTS 455 - Advanced Jewellerymaking I (4 Credits)

Advanced problems and individual investigation in jewellerymaking techniques.

Prerequisites: C or better in ARTS 356.

ARTS 456 - Advanced Jewellerymaking II (4 Credits)

Advanced problems and individual investigation in jewellerymaking techniques.

Prerequisites: C or better in ARTS 455.

ARTS 460 - Photography Portfolio (4 Credits)

Advanced techniques and career practices in photography. The development of personal vision through the production of a fine arts portfolio. Students may work with any photographic process (digital or analog) towards the completion of a cohesive body of work.

Prerequisites: C or better in ARTS 360 or ARTS 361.

ARTS 461 - Photography Exhibition (4-6 Credits)

Advanced concepts in photography. The development of personal vision culminating in a collaborative exhibition. Students may work with any photographic process (analog or digital).

Prerequisites: C or better in ARTS 360 or ARTS 361.

ARTS 465 - Advanced Illustration I (4 Credits)

Projects exploring aspects of visual narrative through illustration. Further development of style, media, and technique.

Prerequisites: C or better in ARTS 266.

ARTS 466 - Advanced Illustration II (4 Credits)

Capstone projects in commercial illustration. Further development of style, media, and technique with emphasis in development of commercial portfolio and promotion.

Prerequisites: C or better in ARTS 465.

ARTS 498 - Independent Study (3-9 Credits)

CL: 2020.

Graduation with Leadership Distinction: GLD: Research

ARTS 499 - Independent Study (3-9 Credits)

Graduation with Leadership Distinction: GLD: Research

ARTS 500 - Visual Meaning (4 Credits)

The analysis, structuring, and production of individual works of art using traditional and non-traditional approaches.

ARTS 501 - Art Business (3 Credits)

Business practices for the studio artist. Contracts, portfolio preparation, promotion, alternate professions, museums, galleries, copyright, and shipping will be discussed.

ARTS 510 - Painting I (6 Credits)

BFA Painting Capstone course stressing focus on further development of individual approaches to painting culminating in a cohesive body of work and a written thesis defense.

Prerequisites: ARTS 210, ARTS 211, ARTS 310, and ARTS 311.

ARTS 511 - Painting II (6 Credits)

BFA Painting Capstone course focusing on further development of individual approaches to painting culminating in a BFA Senior Thesis Exhibition and defense.

Prerequisites: ARTS 510.

ARTS 512 - Introduction to Watercolor (3 Credits)

Introduction to traditional and experimental transparent watercolor technique. Encompasses field work at off campus locations.

ARTS 513 - Advanced Watercolor (3 Credits)

Advanced study of watercolor and water-based media with emphasis on individual creative expression. Encompasses field work at off campus locations.

ARTS 514 - Workshop: Painting (4 Credits)

Advanced study in various painting problems, content varies by title.

ARTS 515 - Printmaking I (3 Credits)

Further development of individual approaches to printmaking.

Prerequisites: ARTS 416.

ARTS 516 - Capstone Printmaking I: Professional Practices (3-6 Credits)

Professional development practices including preparing a portfolio and oral presentation of work, researching career options, and preparing applications for exhibition and funding opportunities.

Prerequisites: ARTS 215 and one ARTS 300 - ARTS 400 level print course.

ARTS 517 - Capstone Printmaking II: Exhibition (3-6 Credits)

Preparing for an exhibition.

Prerequisites: ARTS 215 and one ARTS 300 - ARTS 400 level print course.

ARTS 519 - Workshop: Printmaking (3 Credits)

Advanced investigation and analysis of various printmaking techniques. Topic varies by title.

ARTS 520 - Ceramics I (6 Credits)

Further development of a personal approach to the ceramic process, supported by an investigation of ceramic history.

Prerequisites: ARTS 421.

ARTS 521 - Ceramics II (6 Credits)

Further development of a personal approach to the ceramic process, supported by an investigation of ceramic history.

Prerequisites: ARTS 520.

ARTS 524 - Workshop: Ceramics (3 Credits)

Advanced investigation and analysis of problems and methods in ceramics. Topics vary by title.

ARTS 525 - Three-Dimensional Studies I (3-6 Credits)

Personal concepts and expressions in various three-dimensional media.

Prerequisites: C or Better in ARTS 425 or ARTS 426.

ARTS 526 - Three-Dimensional Studies II (3-6 Credits)

Personal concepts and expressions in various three-dimensional media.

Prerequisites: C or better in ARTS 425 or ARTS 426.

ARTS 529 - Workshop: Three-Dimensional Studies (3 Credits)

Investigation and analysis of various three-dimensional concepts, processes, and techniques. Content varies by title.

ARTS 530 - Drawing Capstone I (3-6 Credits)

Further development of individual approaches to drawing with emphasis on intellectual and visual perception as content.

Prerequisites: ARTS 431.

ARTS 531 - Drawing Capstone II (6 Credits)

Further development of individual drawing with emphasis on intellectual and emotive approaches.

Prerequisites: ARTS 530.

ARTS 532 - Advanced Life Drawing (3 Credits)

Human anatomy and instruction in drawing and painting the model from life in a variety of media.

Prerequisites: ARTS 232 or ARTS 233.

ARTS 535 - Fiber Arts I (3 Credits)

Advanced study in the processes and materials of fiber arts.

Prerequisites: ARTS 436.

ARTS 536 - Fiber Arts II (3 Credits)

Advanced study in the processes and materials of fiber arts.

Prerequisites: ARTS 535.

ARTS 537 - Papermaking (3 Credits)

The art and techniques of handmade paper.

ARTS 539 - Workshop: Fiber Arts (3 Credits)

Advanced study in various technical aspects of fiber arts. Topic varies by title.

ARTS 545 - Internship in Graphic Design (3-9 Credits)

Experiential course focused on relevant work experience within the business of graphic design, visual communication, and/or illustration. Students are required to obtain and complete an internship, then reflect on the experience. Graduation with Leadership Distinction: Professional and Civic Engagement.

Prerequisites: C or better in ARTS 246.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ARTS 546 - Advanced Process and Systems (3 Credits)

Advanced design course in the development of a range of self-directed content and emphasizing creation of cohesive messaging systems that cover a wide range of media. Creation of identity systems that are based on research and appropriate to content, context, and audience. Media may span environmental, motion, print, web, and packaging.

Prerequisites: C or better in ARTS 346.

ARTS 547 - Advanced Interaction Design (3 Credits)

Advanced investigation and practice of user interface and user experience design for digital products as a contemporary fine art and communication medium.

Prerequisites: C or better in ARTS 345.

ARTS 555 - Jewelmaking I (4 Credits)

The development of individual directions in jewelmaking.

Prerequisites: C or better in ARTS 456.

ARTS 556 - Jewelmaking II (3 Credits)

The development of individual directions in jewelmaking.

Prerequisites: ARTS 555.

ARTS 558 - Crafts (3 Credits)

Contemporary applications of traditional craft media, emphasizing the design and conceptual development of works of art.

ARTS 559 - Workshop: Jewelmaking (3 Credits)

Advanced study in various technical aspects of jewelmaking. Topic varies by title.

ARTS 560 - Photography Thesis: Portfolio (6 Credits)

Further development of individual approaches to photography.

ARTS 561 - Photography Thesis: Exhibition (6 Credits)

Further development of individual approaches to photography.

ARTS 564 - Workshop: Photography (4 Credits)

Advanced investigation and analysis of problems in photography. Topic varies by title.

ARTS 570 - Visual Arts Computing (3 Credits)

Advanced visual arts computing techniques on using software such as Photoshop, Studio Pro, and Netscape.

Prerequisites: ARTS 102.

ARTS 590 - Video Art: Theory and Practice (3 Credits)

Television as a medium; small format video systems are used in the creation of individual projects.

ARTS 595 - Independent Study (3 Credits)

Independent study for advanced undergraduate majors and graduate students in art studio. Approved independent study contract required for enrollment.

Astronomy (ASTR)

ASTR 101 - Introduction to Astronomy (4 Credits)

An introduction to the solar system and universe accomplished with interactive lectures, demonstrations, and laboratory experience. Designed primarily for the non-science major.

Carolina Core: SCI

ASTR 201 - Introduction to Astronomy II: The Dark Universe (3 Credits)

Astronomical topics including stellar death, black holes, dark matter, dark energy and cosmology. Astronomical techniques and application of the scientific method in astronomy.

Prerequisites: ASTR 101 or SCHC 115.

Carolina Core: SCI

ASTR 320 - Introduction to Radio Astronomy (3 Credits)

Nature of the sun, planets; galactic and extragalactic sources at radio wavelengths; quasars; techniques, detectors, and telescopes.

Prerequisites: ASTR 211, MATH 115 or equivalent, and PHYS 202, PHYS 212.

ASTR 340 - Introduction to Relativistic Astrophysics (3 Credits)

Final states of stellar evolution; white dwarfs, neutron stars, black holes. Cosmology.

Prerequisites: C or better in ASTR 211 and MATH 115 and PHYS 202 or PHYS 212.

Cross-listed course: PHYS 340

ASTR 499 - Undergraduate Research (3 Credits)

Introduction to and application of the methods of research. A written report on work accomplished is required at the end of each semester.

Graduation with Leadership Distinction: GLD: Research

ASTR 533 - Advanced Observational Astronomy (1-3 Credits)

Development of a combination of observational techniques and facility at reduction of data. A maximum of eight hours per week of observation, data reduction, and consultation. Offered each semester by arrangement with the department.

ASTR 534 - Advanced Observational Astronomy (1-3 Credits)

A continuation of ASTR 533. Up to eight hours per week of observation, data reduction, and consultation.

ASTR 599 - Topics in Astronomy (1-3 Credits)

Readings and research on selected topics in astronomy. Course content varies and will be announced in the schedule of classes by title.

Athletic Training (ATEP)

ATEP 263 - Introduction to Athletic Training (3 Credits)

Introduction to the historical evolution of athletic training with an emphasis on program development including basic athletic training principles/skills associated with common sports injuries/illnesses.

ATEP 266 - Care and Prevention of Injuries (3 Credits)

Knowledge, skills, and values associated with prevention, care, treatment, and rehabilitation of common injuries/illnesses.

ATEP 267 - Clinical Foundations in Athletic Training (3 Credits)

Basic knowledge and skill in athletic injury prevention, care, and recognition; medical terminology; fulfillment of athletic training clinical proficiencies.

ATEP 292 - Athletic Training Clinical Experience I (2 Credits)

Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Restricted to athletic training majors. Special permission required by department. Accepted into ATEP.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 293 - Athletic Training Clinical Experience II (2 Credits)

Supervised clinical experience in an athletic training setting. Integrates cognitive learning in conjunction with psychomotor skill development and assessment. Restricted to athletic training majors. Special permission required by department.

Prerequisites: ATEP 348, ATEP 348L, ATEP 292.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 300 - First Aid and CPR (2 Credits)

Knowledge and skills necessary to meet the needs of situations when emergency care is critical. Includes American Red Cross CPR/AED and First Aid certification. Encompasses skills for adult, child, and infant CPR/AED, breathing emergencies, and first aid procedures for emergency situations.

Corequisite: ATEP 300L.

ATEP 300L - First Aid and CPR Lab (1 Credit)

Skill development to meet guidelines for certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.

Corequisite: ATEP 300.

ATEP 310 - Emergency Medical Response (2 Credits)

Knowledge acquisition necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decisions about the care to provide in a medical emergency. Understanding the role of an EMR as a crucial link in the emergency medical services (EMS) system.

Corequisite: ATEP 310L.

ATEP 310L - Emergency Medical Responder Lab (1 Credit)

Clinical applications necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decisions about the care to provide in a medical emergency. Skills an EMR needs to act as a crucial link in the emergency medical services (EMS) system.

Corequisite: ATEP 310.

ATEP 348 - Evaluation and Assessment of Lower Extremity Injuries (3 Credits)

Knowledge and skills for orthopedic/physical assessment of common injuries to the lower body; study of the lower extremities as they relate to the prevention, recognition, evaluation and assessment, immediate care, and treatment; rehabilitation and reconditioning of injuring and illnesses to athletes and others engaged in physical activity.

Prerequisites: ATEP 266, EXSC 275.

Corequisite: ATEP 348L.

ATEP 348L - Evaluation and Assessment of Lower Extremity Injuries Lab (1 Credit)

Laboratory setting to enhance knowledge and skills for orthopedic/physical assessment of common injuries to the lower extremities.

Prerequisites: ATEP 266.

Corequisite: ATEP 348.

ATEP 349 - Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries (3 Credits)

Knowledge and skills for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen, and thorax. Study of the cervical spine, head, face, abdomen and thorax as they related to the prevention, recognition, evaluation and assessment; immediate care, treatment, rehabilitation, and reconditioning of injuries and illnesses to athletes and others engaged in physical activity.

Prerequisites: ATEP 292, ATEP 348, ATEP 348L.

Corequisite: ATEP 349L.

ATEP 349L - Evaluation and Assessment of Head, Neck, Spine & Abdomen Injuries Lab (1 Credit)

Skill development for orthopedic/physical assessment of common injuries to the cervical spine, head, face, abdomen, and thorax.

Prerequisites: ATEP 348, ATEP 348L.

Corequisite: ATEP 349.

ATEP 350 - Evaluation and Assessment of Upper Extremity Injuries (3 Credits)

Prevention, recognition, orthopedic assessment of common injuries to the upper body; immediate care, treatment, and rehabilitation of injuries and illnesses to athletes.

Prerequisites: ATEP 349, ATEP 349L.

Corequisite: ATEP 350L.

ATEP 350L - Evaluation and Assessment of Upper Extremity Injuries (1 Credit)

Prevention, recognition, orthopedic assessment of common injuries to the upper body; immediate care, treatment, and rehabilitation of injuries and illnesses to athletes.

Prerequisites: ATEP 349, ATEP 349L.

Corequisite: ATEP 350L.

ATEP 365 - Pharmacology and Drug Education in Athletic Trainers (2 Credits)

Knowledge, skills, and values associated with athletic trainer's pharmacological applications in the treatment of injuries/illnesses, including use of alcohol and illicit drugs.

Prerequisites: ATEP 293, ATEP 348, ATEP 348L.

ATEP 366 - Therapeutic Modalities (3 Credits)

Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic modalities used in treatment of injuries/illnesses.

Prerequisites: ATEP 293, ATEP 349, ATEP 349L.

Corequisite: ATEP 366L.

ATEP 366L - Therapeutic Modalities Lab (1 Credit)

Integrates cognitive learning in conjunction with psychomotor skill development and assessment on the application of modalities in laboratory situations.

Corequisite: ATEP 366.

ATEP 392 - Athletic Training Clinical Experience III (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 293, ATEP 349, ATEP 349L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 393 - Athletic Training Clinical Experience IV (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 466 - Therapeutic Exercise (3 Credits)

Knowledge and techniques needed to plan, operate, document, and evaluate therapeutic exercise programs for the rehabilitation and reconditioning of injured patients.

Prerequisites: EXSC 223, EXSC 224, ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

Corequisite: ATEP 466L.

ATEP 466L - Therapeutic Exercise Lab (1 Credit)

Techniques and skills of therapeutic exercise used in the development of rehabilitation programs for various injuries.

Corequisite: ATEP 466.

ATEP 492 - Athletic Training Clinical Experience V (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 393, ATEP 466, ATEP 466L, ATEP 497.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ATEP 493 - Athletic Training Clinical Experience VI (2 Credits)

Supervised clinical experience for athletic training students. Integrates cognitive learning in conjunction with psychomotor skill development and assessment.

Prerequisites: ATEP 492, ATEP 496.

ATEP 494 - Athletic Training Senior Seminar (3 Credits)

Preparation for the BOC examination for athletic trainers; advanced skills and integration of athletic training principles and development of athletic training research; professional research and current literature pertaining to relevant topics in athletic training.

Prerequisites: ATEP 492.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ATEP 496 - Organization and Administration of Athletic Training (3 Credits)

Management and operation of athletic training programs.

Prerequisites: ATEP 393, ATEP 466, ATEP 466L, ATEP 497.

ATEP 497 - General Medical Concerns for Athletic Trainers (3 Credits)

Knowledge and skills to recognize, treat, and refer general medical conditions and disabilities.

Prerequisites: ATEP 365, ATEP 366, ATEP 366L, ATEP 392.

Biology (BIOL)

BIOL 101 - Biological Principles I (3 Credits)

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology.

Carolina Core: SCI

BIOL 101A - Biological Principles I (3 Credits)

Introductory survey of macromolecules, cell structure and function, genetics, and molecular biology. Three lecture hours per week. Restricted to students who have credit for BIOL 101L but lack the lecture.

Prerequisites: BIOL 101L.

BIOL 101L - Biological Principles I Laboratory (1 Credit)

(Recommended concurrent with BIOL 101). Experimental examination of basic principles of cell biology, genetics and metabolism. Three hours per week.

Carolina Core: SCI

BIOL 102 - Biological Principles II (3 Credits)

Introductory survey of plant and animal development, physiology, ecology, and evolution.

Corequisite: BIOL 102L.

Carolina Core: SCI

BIOL 102A - Biological Principles II (3 Credits)

Introductory survey of plant and animal development, physiology, ecology, and evolution. Three lecture hours per week. Restricted to students who have credit for BIOL 102L but lack the lecture.

Prerequisites: BIOL 102L.

BIOL 102L - Biological Principles II Laboratory (1 Credit)

Experimental examination of structure and function of plant and animal systems, biodiversity, ecology. BIOL 101, 102, 101L and 102L must be completed prior to enrolling in 300-level or above Biology courses.

Corequisite: Recommended concurrent with BIOL 102.

Carolina Core: SCI

BIOL 110 - General Biology (4 Credits)

Basic biological concepts and issues for non-biology majors. Credit may not be given for both this course and BIOL 120. Three lecture, two laboratory hours per week.

Carolina Core: SCI

BIOL 110A - General Biology (Audio-Tutorial) (1 Credit)

Addendum to BIOL 110.

BIOL 120 - Human Biology (3 Credits)

Fundamental principles of human biology. Credit may not be given for both BIOL 110 and BIOL 120. Three lecture hours per week. Not for major credit.

Carolina Core: SCI

BIOL 120L - Laboratory in Human Biology (1 Credit)

Exercises dealing with basic concepts of human biology. Not for major credit.

Prerequisite or Corequisite: BIOL 120.

Carolina Core: SCI

BIOL 200 - Plant Science (3 Credits)

An introduction to plant science for the non-major. This course does not carry major credit, and is not designed as a prerequisite for other biology courses. Plant development, physiology, genetics, evolution, and ecology will be considered. Three lecture hours per week.

BIOL 200L - Plant Science Laboratory (1 Credit)

Laboratory exercises, demonstrations, and audio-visual supplements to BIOL 200. Not for major credit. Two hours per week.

Prerequisite or Corequisite: BIOL 200.

BIOL 202 - Infectious Diseases, Human Health, and Ethics (3 Credits)

An introduction to pathogens including bacteria, viruses, and protozoans. Basic elements of the immune system coupled with discussion of how pathogens cause disease. This information is placed in the context of how scientific research leads to the discovery, treatment, and prevention of the disease. The ethical implications of each pathogen and its treatment strategies are discussed.

Carolina Core: SCI, VSR

BIOL 206 - Genetics and Society (3 Credits)

(Designed for non-major students.) Genetic principles, emphasizing human heredity. Relevance of recent advances in genetics. Three lecture hours per week.

Carolina Core: SCI

BIOL 208 - Our Hungry World from Malthus to McDonalds (3 Credits)

Scientific and social issues concerning the interrelationship of culture and agricultural biotic diversity and technology, climate change, resources management, food security, and human health.

Carolina Core: SCI, VSR

BIOL 220 - Elementary Life Science (4 Credits)

This course will ensure that elementary education majors will understand the fundamental concepts of Biology. Cannot be used for biology major credit.

BIOL 232 - Anatomy (3 Credits)

Functional anatomy of the human body and its relation to disease processes. Not for biology major credit.

BIOL 232L - Anatomy Laboratory (1 Credit)

The principles of anatomy as demonstrated by microscopic studies and animal dissection. Three hours per week.

Corequisite: BIOL 232.

BIOL 240 - Applied Human Physiology (3 Credits)

Fundamentals of functional human biology and knowledge of contemporary medical problems. Not for major credit.

BIOL 242 - Human Physiology (4 Credits)

Functional biology of organ systems in the maintenance of the whole organism; homeostatic relationships. Not available for biology major credit. Three lecture and three laboratory hours per week.

Prerequisites: BIOL 232.

BIOL 243 - Human Anatomy and Physiology I (3 Credits)

Functional anatomy and physiology of the human body, including the integumentary, skeletal, muscular, and nervous systems. Not available for biology major credit. Three lecture hours per week.

Carolina Core: SCI

BIOL 243L - Human Anatomy and Physiology Laboratory (1 Credit)

The principles of anatomy and physiology as demonstrated by microscopic studies, animal dissection, and physiological experiments. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 243.

Carolina Core: SCI

BIOL 244 - Human Anatomy and Physiology II (3 Credits)

Functional anatomy and physiology of the human body, including the cardiovascular, endocrine, excretory, reproductive, digestive, and respiratory systems. Not available for biology major credit. Three lecture hours per week.

Prerequisites: BIOL 243.

Carolina Core: SCI

BIOL 244L - Human Anatomy and Physiology Laboratory (1 Credit)

A continuation of BIOL 243L. One three-hour laboratory per week.

Corequisite: BIOL 244

Carolina Core: SCI

BIOL 250 - Microbiology (3 Credits)

An introduction to bacteria and viruses, emphasizing structure, metabolism, and pathogenesis. Discussion of infectious diseases, antigen-antibody relationships, and anti-microbial agents in chemotherapy. Not available for biology major credit. Three lecture hours per week.

Prerequisites: College-level Biology and Chemistry.

BIOL 250L - Microbiology Laboratory (1 Credit)

Not available for biology major credit. Three hours per week.

Prerequisite or Corequisite: BIOL 250.

BIOL 260 - Physiology (3 Credits)

Physiology of human systems especially susceptible to disturbance: immunobiology, circulation, excretion, metabolism, endocrinology, and muscle physiology. Not for biology major credit. Intended for pharmacy students.

Prerequisites: BIOL 102.

BIOL 270 - Introduction to Environmental Biology (3 Credits)

Basic ecological principles and the impacts of human population growth and technology. Not for major credit.

Carolina Core: SCI

BIOL 270L - Introduction to Environmental Biology Laboratory (1 Credit)

Demonstrations, data analyses, discussions, and films relating to human ecology, resource use, and environmental impact. Not for major credit. Two hours per week.

Prerequisite or Corequisite: BIOL 270.

Carolina Core: SCI

BIOL 301 - Ecology and Evolution (3 Credits)

Concepts of evolution, populations, and population interactions; communities and ecosystems. Three lecture hours per week.

Prerequisites: BIOL 102 or MSCI 311.

Graduation with Leadership Distinction: GLD: Research

BIOL 301L - Ecology and Evolution Laboratory (1 Credit)

Experiments, exercises, and demonstrations. Three hours per week.

Prerequisite or Corequisite: BIOL 301.

BIOL 302 - Cell and Molecular Biology (3 Credits)

Principles of eukaryotic cell structure, molecular organization, and physiology. Genome organization and expression. Cell growth, division, and cell-cell interactions.

Prerequisites: C or better in BIOL 101; C or better in BIOL 102 or MSCI 311; C or better in CHEM 112.

Graduation with Leadership Distinction: GLD: Research

BIOL 302L - Cell and Molecular Biology Laboratory (1 Credit)

Experiments, exercises, and demonstrations. Three hours per week.

Prerequisite or Corequisite: BIOL 302.

Experiential Learning: Experiential Learning Opportunity

BIOL 303 - Fundamental Genetics (3 Credits)

Basic principles of transmission and molecular genetics; quantitative inheritance; recombination; biochemical aspects of gene function and regulation; developmental genetics and population genetics. Three lecture hours per week.

Prerequisites: C or better in BIOL 101 and BIOL 102 or a C or better in MSCI 311.

BIOL 303L - Fundamental Genetics Laboratory (2 Credits)

Observational and experimental examination of principles of genetics and inheritance.

Prerequisites: C or better in BIOL 101, BIOL 101L, BIOL 102, and BIOL 102L or a C or better in MSCI 311.

Prerequisite or Corequisite: BIOL 303.

Experiential Learning: Experiential Learning Opportunity

BIOL 351 - Introduction to Animal Science (3 Credits)

Exploration of current careers in the animal industry including a brief overview of the sciences involved in animal production such as genetics and selection, behavior, physiology, reproduction, and nutrition of cattle (beef and dairy), horses, swine, sheep, poultry, and others.

Prerequisites: C or better in BIOL 102.

BIOL 398 - Laboratory Teaching Experience (1 Credit)

Participation in preparation and teaching of undergraduate biological sciences laboratories.

Experiential Learning: Experiential Learning Opportunity

BIOL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

BIOL 405 - Cellular and Molecular Neurobiology (3 Credits)

Cellular and molecular mechanisms underlying the development and functions of the nervous system, such as nervous system patterning, neuronal differentiation/migration, formation of neuronal projections, development of synapses, apoptosis, refinement of neuronal circuits, and how cells and neurons respond to signals from the environment.

Prerequisites: BIOL 302.

BIOL 415 - Comparative Vertebrate Anatomy (4 Credits)

Phylogenetic and comparative aspects of anatomy, reproduction, and embryology of the vertebrates. Three lecture hours and one three-hour laboratory period per week.

Prerequisites: BIOL 102 or MSCI 311.

BIOL 420 - Survey of the Plant Kingdom (3 Credits)

Phylogenetic survey of the major plant divisions; consideration of the structure and development of flowering plants.

Prerequisites: BIOL 301.

BIOL 420L - Survey of the Plant Kingdom Laboratory (1 Credit)

Three hours per week.

Prerequisite or Corequisite: BIOL 420.

BIOL 423 - Medicinal Botany (3 Credits)

A survey of plants affecting human health and how they are used historically and in modern times, with emphasis on the biologically active constituents.

Prerequisites: C or better in BIOL 301 and BIOL 302.

BIOL 425 - Plant Form and Function (3 Credits)

Basic introduction to plants, including cellular biology, energetics, structure-function relationships, development, nutrition, and diversity.

Prerequisites: BIOL 302.

BIOL 425L - Plant Form and Function Laboratory (1 Credit)

Illustration of principles of introductory botany and plant physiology using experiments, exercises, and demonstrations. Three laboratory hours per week.

Prerequisite or Corequisite: BIOL 425.

BIOL 450 - Principles of Biological Oceanography (3 Credits)

Principles and methods of measuring production in the sea. Emphasis on the ocean's role in the global carbon budget. Three lecture hours per week. Scheduled field trips are required.

Prerequisites: MSCI 311, BIOL 301.

Cross-listed course: MSCI 450

BIOL 460 - Advanced Human Physiology (3 Credits)

Functional physiology of human organ systems.

Prerequisites: BIOL 302 or MSCI 311 with a grade of C or better.

BIOL 460L - Advanced Human Physiology Laboratory (1 Credit)

Experiments on organ system functions using different animal models.

Prerequisite or Corequisite: BIOL 460 (with a grade of D or better if used as a prerequisite).

BIOL 461 - Advanced Human Anatomy (3 Credits)

Structure, function, and development of human anatomy.

Prerequisites: Any two of BIOL 301, BIOL 302, or BIOL 303 with a grade of C or better.

BIOL 461L - Advanced Human Anatomy Laboratory (1 Credit)

Practical exercises in structure, function, and development of anatomy using digital and animal models.

Prerequisite or Corequisite: BIOL 461 (with a grade of D or better if used as a prerequisite).

BIOL 462 - Advanced Microbiology (3 Credits)

The taxonomy, morphology, metabolism, genetics, and ecology of microorganisms.

Prerequisites: C or better in BIOL 302.

BIOL 462L - Advanced Microbiology Laboratory (1 Credit)

Practical exercises with the taxonomy, morphology, metabolism, genetics, and ecology of microorganisms.

Prerequisite or Corequisite: D or better in BIOL 462.

BIOL 465 - Domestic Animal Nutrition (3 Credits)

Elements of nutrition and animal feeding in veterinary practice. Three lecture hours per week.

Prerequisites: BIOL 302.

BIOL 497 - Undergraduate Seminar in Biological Sciences (1 Credit)

Student seminars and a survey of research in the fields of Biological Sciences.

Prerequisites: BIOL 301, BIOL 302, and BIOL 303, or Instructor's Permission

BIOL 498 - Biological Research: An Introduction (4 Credits)

Methodologies of biological research with emphasis on hypothesis formation, research design, and data collection, and current issues in biology. Two lecture and six laboratory hours per week.

Prerequisites: one 300-level or higher biological laboratory.

Graduation with Leadership Distinction: GLD: Research

BIOL 502 - Environmental Microbiology (3 Credits)

An overview of the microbial world including a survey of the distribution, functioning, and diversity of microorganisms in natural systems.

Discusses the crucial roles that microorganisms play in ecosystem function, biogeochemical cycles, and environmental quality.

Prerequisites: MSCI 102 or BIOL 102, CHEM 112.

Cross-listed course: MSCI 503

BIOL 505 - Developmental Biology (3 Credits)

An introduction to how cell-cell communication, gene expression, cell division, cytoskeletal dynamics, and interactions with the extracellular matrix result in the differentiation, pattern formation, morphogenesis, and growth necessary to generate a new individual.

Prerequisites: C or better in BIOL 302.

BIOL 505L - Developmental Biology Laboratory I (1 Credit)

Descriptive and experimental exercises related to embryology. One three-hour laboratory per week.

Corequisite: BIOL 505.

BIOL 506 - Developmental Biology II (3 Credits)

Molecular aspects of development from gamete formation through tissue and organ differentiation in plants and animals. Three lecture hours per week.

Prerequisites: BIOL 505.

BIOL 506L - Developmental Biology Laboratory II (1 Credit)

A series of experimentally oriented laboratory exercises will be performed. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 506.

BIOL 510 - Invertebrate Zoology (4 Credits)

Phylogenetic and comparative aspects of anatomy, physiology, reproduction, and embryology of the invertebrates.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 510

Graduation with Leadership Distinction: GLD: Research

BIOL 523 - Plant Development (3 Credits)

Descriptive and molecular examination of the processes and mechanisms used by plants in organogenesis, differentiation, and morphogenesis. Three lecture hours per week.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 523L - Plant Developmental Laboratory (1 Credit)

Experiments utilizing a genetic approach to the study of plant development. Three laboratory hours per week.

Corequisite: BIOL 523.

BIOL 524 - Mycology (4 Credits)

Taxonomy and morphology of fungi; cultivation, life histories, and economic importance; all classes and major orders considered. Three lecture hours per week.

Prerequisites: BIOL 301.

BIOL 525 - Marine Plants (4 Credits)

Diversity, distribution, physiology, ecology, evolution, and economic importance of marine algal, seagrass, and mangrove communities. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 525

BIOL 526 - The Fall Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 527 - The Spring Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 528 - The Summer Flora (4 Credits)

Two lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 530 - Histology (4 Credits)

An introduction to the tissues that make up the human body. The microscopic anatomy of tissues is examined and discussed in terms of function and physiology. Three lecture hours and four laboratory hours per week.

BIOL 531 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance. Three lecture and three laboratory hours per week.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: ENHS 661, EPID 661

BIOL 534 - Animal Behavior (3 Credits)

A comparative survey of behavior patterns of animals from protists to humans and the physiological mechanisms underlying behavior.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 534L - Animal Behavior Laboratory (1 Credit)

Observational and experimental methods used in classifying animal behavior patterns and in determining underlying control mechanisms. One three-hour laboratory per week.

Prerequisite or Corequisite: BIOL 534.

BIOL 535 - Fishery Management (3 Credits)

Management and conservation of aquatic and marine resources, with emphasis on fisheries. Data procurement and analysis; commercial and recreational fisheries; sociological, political, legal, and environmental factors that affect fishery management; and fish biodiversity.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 535

BIOL 536 - Ichthyology (4 Credits)

Phylogeny, morphology, behavior, and ecology of fishes. Three lecture and 3 laboratory hours plus three field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 536

Graduation with Leadership Distinction: GLD: Research

BIOL 537 - Aquaculture (3 Credits)

Introduction to the practical and scientific aspects of the commercial culture of freshwater and marine organisms. Three lecture hours per week. One all-day field trip required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 537

BIOL 538 - Behavior of Marine Organisms (4 Credits)

The identification of behavioral adaptations of estuarine and marine organisms: their ecology, physiology, development, and evolutionary history; field observations.

Prerequisites: BIOL 101 and BIOL 102 or MSCI 311.

Cross-listed course: MSCI 538

Graduation with Leadership Distinction: GLD: Research

BIOL 541 - Biochemistry (3 Credits)

Description of biological macromolecules and major metabolic pathways.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: CHEM 550

BIOL 541L - Biochemistry Laboratory (1 Credit)

Experiments and demonstrations illustrating the principles of biochemistry. Three laboratory hours per week.

Prerequisite or Corequisite: C or higher in CHEM 550 or BIOL 541 or CHEM 555 or BIOL 545.

Cross-listed course: CHEM 550L

BIOL 543 - Comparative Physiology (3 Credits)

An integrative and comparative study of the structure, function, and evolution of the physiological systems of animals. Three lecture hours per week.

Prerequisites: BIOL 302 or MSCI 311.

BIOL 543L - Comparative Physiology Laboratory (1 Credit)

Laboratory exercises to illustrate principles from BIOL 543. Three hours per week.

Corequisite: BIOL 543.

BIOL 545 - Biochemistry/Molecular Biology I (3 Credits)

Essentials of modern biochemistry. First semester of a two-semester course. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: CHEM 555

BIOL 546 - Biochemistry/Molecular Biology II (3 Credits)

Essentials of modern biochemistry and molecular biology. Three lecture hours per week.

Prerequisites: C or higher in BIOL 302.

Cross-listed course: CHEM 556

BIOL 549 - Plant Physiology (4 Credits)

A general survey of the major physiological processes in plants. Two lecture and four laboratory hours per week.

Prerequisites: BIOL 302 and BIOL 425.

BIOL 550 - Bacteriology (3 Credits)

Introduction to bacteria and viruses emphasizing ultrastructure, physiology, genetics, and growth. Discussion of public health, industrial, and environmental microbiology. Three lecture hours per week.

Prerequisites: BIOL 302 or MSCI 311.

Corequisite: BIOL 550L.

Graduation with Leadership Distinction: GLD: Research

BIOL 550L - Bacteriology Laboratory (1 Credit)

Three laboratory hours per week.

Corequisite: BIOL 550.

BIOL 552 - Population Genetics (3 Credits)

An introduction to the principles of population genetics, with emphasis on the origin, maintenance, and significance of genetic variation in natural populations.

Prerequisites: C or better in BIOL 301 or MSCI 311.

Cross-listed course: MSCI 552

Graduation with Leadership Distinction: GLD: Research

BIOL 553 - Genomics (3 Credits)

Current concepts and applications of genomics, addressing questions from throughout biological inquiry.

Prerequisites: BIOL 301, BIOL 303.

BIOL 558 - Stem Cells and The Physiological Environment (3 Credits)

Discussion of how physiological factors, like nutritional status, influence systemic signals to alter stem cell activity, and the physiological stimuli that impact stem cell activity in a variety of organisms (from worms to humans).

Prerequisites: C of higher in BIOL 302.

BIOL 570 - Principles of Ecology (3 Credits)

Interactions of organisms and the environment; ecosystem structure and functions. Three lecture hours per week.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 570L - Principles of Ecology Laboratory (1 Credit)

Three hours per week.

Prerequisite or Corequisite: BIOL 570.

BIOL 571 - Conservation Biology (3 Credits)

Principles of conservation biology. Importance of biodiversity, causes of decline and extinction, and restoration and conservation policy in terrestrial and aquatic ecosystems.

Prerequisites: BIOL 301.

Cross-listed course: ENVR 571

BIOL 572 - Freshwater Ecology (3 Credits)

Quantitative study of the population, community and evolutionary ecology of freshwater habitats (lakes, ponds, rivers, streams, wetlands). Includes mandatory field trips.

Prerequisites: BIOL 301.

Cross-listed course: ENVR 572

BIOL 574 - Marine Conservation Biology (3 Credits)

Exploration of how human activities affect marine natural populations, species, communities and ecosystems, including threats to biodiversity; approaches to marine conservation; and ecological and evolutionary responses to anthropogenic disturbance.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 574

BIOL 575 - Marine Ecology (3 Credits)

Structure, dynamics, and interactions between populations and communities in marine ecosystems. Attendance at designated departmental seminars is required. Three lecture hours per week.

Prerequisites: CHEM 111 and BIOL 301 or MSCI 311.

Cross-listed course: MSCI 575

BIOL 575L - Marine Ecology Laboratory (1 Credit)

Laboratory and field exercises in coastal environments.

Prerequisite or Corequisite: BIOL 575.

Cross-listed course: MSCI 575L

BIOL 576 - Marine Fisheries Ecology (3 Credits)

Interdisciplinary examination of the distribution, reproduction, survival, and historical variation of the principal commercial marine fisheries.

Prerequisites: BIOL 301.

Cross-listed course: MSCI 576

BIOL 577 - Ecology of Coral Reefs (4 Credits)

Structure, productivity, and biodiversity of coral reefs, emphasizing their sensitivity, stability, and sustainability. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: MSCI 577

BIOL 588 - Genomic Data Science (3 Credits)

This course focuses on quantitative knowledge for interdisciplinary applications in genetics as well as hands-on experience in analyzing genetic data. In this course, students will have programming exercises in using analysis tools to conduct genome-wide analysis, annotation, and interpretation of genetic data using R/Bioconductor packages.

Prerequisites: C or better in STAT 201 or higher.

Cross-listed course: STAT 588

BIOL 599 - Topics in Biology (1-3 Credits)

Current developments in biological sciences. Readings and research on selected topics. Course content varies and will be announced in the schedule of classes by title.

BIOL 610 - Hallmarks of Cancer (3 Credits)

Survey of current concepts regarding the molecular and genetic factors that regulate the origin and progression of cancer. Readings based on current primary literature.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 612 - Virology - Classical and Emerging Concepts (3 Credits)

Advanced study of viruses with regard to biochemical, molecular, pathological, epidemiological, and biotechnological aspects. Focus on animal viruses with particular emphasis on human pathogens.

Prerequisites: C or better in BIOL 302.

BIOL 614 - Stem Cell Biology (3 Credits)

Focuses on the understanding of how stem cells can be used to make fundamental biological discoveries with a special focus in neuroscience.

Prerequisites: C or better in BIOL 302.

BIOL 620 - Immunobiology (3 Credits)

Basic immunological concepts including antibody structure, function, and genetics; cellular immunology; transplantation; hypersensitivity; autoimmunity; and immunity to infectious diseases.

Prerequisites: BIOL 302.

BIOL 625 - Medical Mycology (3 Credits)

Advanced study of infectious diseases caused by fungi. Etiology, symptoms, and treatment of fungi related illnesses.

Cross-listed course: ENHS 625

BIOL 627 - Marine Phytoplankton (3 Credits)

Examines the physiology and ecology of phytoplankton, including environmental controls on community composition, primary productivity, and detection and characterization of water quality (eutrophication) and harmful algal blooms.

Prerequisites: MSCI 102 or MSCI 450 or BIOL 450.

Cross-listed course: MSCI 627

BIOL 630 - Biology of Birds (3 Credits)

Biology of birds at molecular, organismal, and population levels, emphasizing unique adaptations of the class of Aves.

Prerequisites: BIOL 301, BIOL 302, and BIOL 303.

BIOL 634 - Biology of Neurological Diseases (3 Credits)

Advances in molecular and cellular neurobiology that bring new understanding for human neurological disease.

Prerequisites: BIOL 302 and SCHC 330 or BIOL 405.

BIOL 635 - Neurophysiology (4 Credits)

Descriptive and experimental aspects of the neural basis of behavior, emphasizing cellular and molecular mechanisms. Two lecture and six laboratory hours per week. Three lecture hours per week.

Prerequisites: BIOL 302.

BIOL 640 - Microbial Ecology (3 Credits)

Interactions of microorganisms with each other, with more complex organisms, and with their environments. Three lecture hours per week.

Prerequisites: BIOL 550 and either BIOL 301 or MSCI 311.

BIOL 641 - Biophysical Ecology (3 Credits)

This course examines how the mechanisms by which animals and plants interact with their physical environments influence organismal physiology.

Prerequisites: BIOL 301, MATH 141 or MATH 122.

BIOL 650 - Biochemical Evolution (3 Credits)

Advanced study of related aspects of biological evolution. Rise of life from physical and chemical precursors, biochemical basis of adaptation to ecological pressures, and biochemical aspects of the origins and maintenance of biodiversity.

Prerequisites: BIOL 301, BIOL 302, BIOL 303.

BIOL 651 - Limnology (4 Credits)

A study of the aquatic environment and its biota. Three lecture and four laboratory hours per week.

Prerequisites: BIOL 301.

BIOL 652 - Evolutionary Biology (3 Credits)

An advanced course in evolutionary biology, including natural selection, neutral evolution, molecular evolution population genetics, quantitative genetics, sexual selection, speciation, human evolution, and the evolution of disease.

Prerequisites: BIOL 301 and BIOL 303.

BIOL 653 - Bioinformatics (3 Credits)

Studies of the principles of genetics and molecular biology as applied to adaptive evolution of genes and genomes.

Prerequisites: BIOL 302, BIOL 303.

BIOL 654 - Speciation (3 Credits)

Speciation as the source of biological diversity. Analysis of genetic and ecological models of speciation using primary literature.

Prerequisites: C or better in BIOL 301 and BIOL 303.

BIOL 655 - Biotechnology (3 Credits)

Studies in molecular biology and genetics with emphasis on the use of newly developed techniques in biotechnology. Three lecture hours per week.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 656 - Experimental Biotechnology (4 Credits)

Techniques used in biotechnology will be employed in the context of an experimental project. Twelve laboratory hours per week.

Prerequisites: BIOL 302, BIOL 302L.

BIOL 660 - Biology of Mammals (4 Credits)

Evolution, systematics, genetics, ecology, and adaptation of mammals. Emphasis on native South Carolina species. Two lectures and one two-hour laboratory per week, plus five field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

BIOL 662 - Signal Transduction and Pathogenesis (3 Credits)

Signaling pathways involved in human diseases, such as cancer, AIDS, autoimmune diseases and diabetes, and cellular processes involving apoptosis, cell cycle, cell-cell adhesion, growth factors, hormones, G protein-coupled receptors, cytokines and immune response.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 665 - Human Molecular Genetics (3 Credits)

Molecular mechanisms underlying gene action and differentiation in man; the genetic bases for human variability and inborn metabolic errors leading to inherited diseases.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 667 - Molecular and Genetic Mechanisms of Disease Pathogenesis (3 Credits)

An advanced examination of the molecular mechanisms underlying gene action in humans. Current literature illustrating the genotype-phenotype relationship in human disease pathogenesis will be discussed.

Prerequisites: BIOL 302 and BIOL 303.

BIOL 668 - Metabolic Biochemistry of Human Disease (3 Credits)

Core concepts of biochemistry as applied to human health and disease.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Cross-listed course: CHEM 655

BIOL 670 - Plant Ecology (3 Credits)

Structure and dynamics of plant populations and communities, including life histories, adaptations, and plant interactions. Three lecture hours per week.

Prerequisites: BIOL 301.

BIOL 670L - Plant Ecology (1 Credit)

Laboratory and field exercises in plant ecology. Four hours per week.

Prerequisite or Corequisite: BIOL 670.

BIOL 671 - Plant Responses to the Environment (3 Credits)

Physiological, molecular, and genetic examination of induced plant responses to various biotic and abiotic environmental stresses.

Prerequisites: BIOL 302.

BIOL 690 - Ultramicroscopy (3 Credits)

Theoretical and practical aspects of scanning and transmission electron microscopy, digital image acquisition and energy dispersive x-ray spectroscopy. Two lecture and one laboratory hour per week, plus a research project to be arranged.

Prerequisites: BIOL 302 or MSCI 311.

Biomedical Engineering (BMEN)

BMEN 101 - Introduction to Biomedical Engineering (1 Credit)

Introduction to topics comprising the field of Biomedical Engineering, including their ethical impacts. Familiarization with resources and basic skills necessary to succeed in this major and field.

Prerequisite or Corequisite: MATH 141.

BMEN 212 - Fundamentals of Biomedical Systems (3 Credits)

Fundamentals of static equilibrium, free body diagrams, force and momentum balances; viscoelastic mechanical behavior and models of viscoelasticity; introduction to linear circuit analysis.

Prerequisites: C or better in CHEM 111 or CHEM 141; C or better in MATH 141.

BMEN 240 - Cellular and Molecular Biology with Engineering Applications (4 Credits)

Introduction to molecular, cellular, and physical biology principles and concepts and application of engineering principles to further the understanding of biological systems. Protein and nucleic acid structure and function; DNA replication, mutations, and repair; transcription, translation, and post-translational processing; cellular organization; molecular transport and trafficking; and cellular models.

Prerequisites: C or better in BIOL 101, C or better in CHEM 112 or CHEM 142, and C or better in MATH 142.

BMEN 263 - Introduction to Biomechanics (3 Credits)

Mathematical and theoretical analysis of the mechanical properties and functions of materials, including those of biological origin and clinical relevance. Stress, strain, mechanical properties of materials, axial loading, torsion, bending, and stress/strain transformations. Application of the categories and methodology of solid mechanics to study biological tissues and events.

Prerequisites: C or better in BMEN 212, C or better in MATH 241, C or better in PHYS 211.

BMEN 271 - Introduction to Biomaterials (3 Credits)

Properties of metals, ceramics, polymers, natural materials and composites; methods to modify surface and bulk properties of biomaterials; mechanisms of degradation in physiological environments; cell- and tissue-biomaterial interactions; host response to implanted biomaterials; blood-biomaterial interactions; rational design of biomaterials for specific biomedical applications.

Prerequisites: D or better in CHEM 333; C or better in BMEN 240; C or better in BMEN 263 or ECHE 456; C or better in BMEN 290 or ECHE 311.

BMEN 290 - Thermodynamics of Biomolecular Systems (3 Credits)

First, second, and third law of thermodynamics; free energy and chemical equilibrium in biological processes; phase equilibrium for biomedical systems; energy and metabolism; membrane potentials and depolarization.

Prerequisites: C or better in MATH 241, C or better in BMEN 240, and C or better in PHYS 211.

BMEN 302 - Professional Development and Ethics in Biomedical Engineering (2 Credits)

Analysis and discussion of biomedical industries, standards, regulations, products, and patents. Ethical issues associated with research, introduction of new products, animal subjects, and human subjects.

Prerequisites: BMEN 101.

BMEN 303 - Professional Development and Ethics in Biomedical Engineering (1 Credit)

Analysis and discussion of industries, products, patents, industrial inventiveness, and biomedical research. Ethical issues associated with research, introduction of new products, animal subjects, and human subjects.

Prerequisites: BMEN 101.

BMEN 321 - Biomonitoring and Electrophysiology (3 Credits)

Basic electric circuits and equivalent cell model circuits used in biomonitoring and electrophysiology. Ohm's and Kirchoff's Laws. Applications of electrical components, such as operations amplifiers, filter, and Wheastone bridge, in biomonitoring and electrophysiology. Origins of bioelectricity. Biopotential and electrochemistry including Nernst and Goldman-Hudgkin-Katz equations for describing membrane potential of nerve and muscle cells. Ion transport involved in maintaining cell pH, action potential, muscle contraction, sensory perception.

Prerequisites: D or better in PHYS 212, C or better in BMEN 212, C or better in BMEN 240, C or better in MATH 242.

BMEN 342 - Infectious Disease & Immunology for Biomedical Engineers (3 Credits)

Qualitative and quantitative aspects of infectious diseases; principles of diagnosis and control. Elements of human immunological response and immune disorders; influence on biomedical engineering of explants and implants.

Prerequisites: BIOL 101.

BMEN 345 - Human Anatomy and Physiology for Biomedical Engineers (4 Credits)

Foundations for biomedical engineering with a focus on human anatomy and physiology. Introduction to the inter-relationships between tissue/organ structure and function; demonstration of how an engineering approach can promote understanding of these relationships. Recent biomedical engineering advances and their relations to underlying anatomy and physiology.

Prerequisites: D or better in BMEN 271, C or better in BMEN 240.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 346 - Medical Microbiology for Biomedical Engineers (3 Credits)

Qualitative and quantitative aspects of human system based medical microbiology; principles of diagnosis and control of representative human diseases. Elements of human immunological response and immune disorders.

Prerequisites: D or better in BMEN 240.

BMEN 354 - Biotransport (3 Credits)

Basics of convective and diffusive transport applied to biological and biomedical systems. The effect of fluid flow and mass transport upon biochemical interactions. Scaling and design of biotransport systems.

Prerequisites: ECHE 320 or EMCH 360 or ENCP 360, C or better in MATH 242.

BMEN 363 - Biomedical Instrumentation (3 Credits)

Sensing and measurement of biophysical and biochemical properties and signals in the human body for quantitative molecular, cell, and tissue analysis. Overview on the theory, design and application of common biomedical instrumentation used for diagnosis, treatment, and scientific study of physiological parameters in clinical medicine and biomedical research.

Prerequisites: BMEN 321.

BMEN 381 - Biomedical Engineering Laboratory I (2 Credits)

Introduction to laboratory techniques and tools used for physiological measurements in biomedical engineering, with focus on biological, physical, and biomaterial methods. Data processing and analysis, as well as effective communication of results in written and oral form.

Prerequisites: D or better in BMEN 263, D or better in STAT 509.

Prerequisite or Corequisite: D or better in BMEN 271.

BMEN 382 - Biomedical Engineering Laboratory II (2 Credits)

Introduction to laboratory techniques and tools used for physiological measurements in biomedical engineering, with focus on measurement of biosignals and common analytical methods employed in biomedical research and clinical settings. Data processing and analysis, as well as effective communication of results in written and oral form.

Prerequisites: BMEN 321, BMEN 381.

Prerequisite or Corequisite: BMEN 363.

BMEN 389 - Special Topics in Biomedical Engineering for Undergraduates (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

BMEN 391 - Kinetics in Biomolecular Systems (3 Credits)

Kinetic theory applied to biomedical systems, including enzymatic reactions, cell growth, and kinetic models of biological systems.

Prerequisites: D or better in CHEM 550 or BIOL 541; C or better in BMEN 290 or ECHE 311; C or better in MATH 242.

BMEN 392 - Fundamentals of Biochemical Engineering (3 Credits)

Biological systems are used in chemical industries for a wide variety of applications, including the formation of important products (e.g. pharmaceuticals), sensor technology, degradation, and waste water treatment. This class will provide an overview of materials needed to investigate and model biosystems.

Prerequisites: CHEM 333.

BMEN 411 - Modeling and Simulation of Biomedical Systems (3 Credits)

Introduction to modern computational modeling tools used in biomedical engineering. Analysis, visualization and image processing using engineering software as applied to problems of interest in biomedical engineering.

Prerequisites: BMEN 263, BMEN 271, and BMEN 354 with a minimum grade of D.

BMEN 427 - Senior Biomedical Engineering Design I (3 Credits)

Integrated team work/project management, "voice of the patient", design specifications, design functions, design concepts, economic factors, concept selection and product architecture. The initial feasibility study, selection of the final design approach, and preliminary specifications are required by the end of the semester.

Prerequisites: D or better in all of: BMEN 271, BMEN 345, BMEN 354, BMEN 363, BMEN 381 or BMEN 382.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 428 - Senior Biomedical Engineering Design II (3 Credits)

Design for manufacturability, ergonomic and aesthetic considerations, prototype construction and testing, fabrication and biological testing of tissue engineered constructs, statistical methods/design of experiments, ethics/product liability and social/environmental impact. The final engineering design (specifications, drawings, bill of materials, including assessment of economics) will be completed by the end of the semester. Both written and oral reports are to be provided.

Prerequisites: BMEN 427.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 499 - Independent Research (1-3 Credits)

Individual investigation or studies of special topics. A maximum of 3 credits may be applied to Biomedical Engineering program requirements. Contract approval by instructor, department, and college is required.
Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

BMEN 532 - Micro/nanofluidics and Lab-on-a-Chip (3 Credits)

Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery.

Prerequisites: D or better in CHEM 112 and CHEM112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: EMCH 562

BMEN 537 - Bio Nano/Micro Electro-Mechanical Systems (3 Credits)

Fundamentals of nano- and microfabrication, metrology and their applications in biomedical engineering and science. The fabrication covers photolithography, nano/microfabrication for nano/microstructures, etching and additive techniques, MEMS integration and packaging, etc. Metrology focuses on characterization of nanostructures with imaging technologies.

Prerequisites: D or better in CHEM 112 and CHEM 112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: EMCH 567

BMEN 546 - Delivery of Bioactive Agents (3 Credits)

Routes of administration; mechanisms of drug absorption and biological barriers; pharmacokinetic modeling of drug distribution; drug excretion and biotransformation; design and evaluation of controlled release systems, targeted release systems, and responsive release systems.

Prerequisites: D or better in all of: BMEN 240, CHEM 333, and MATH 142.

BMEN 547 - Immunoengineering (3 Credits)

Engineering approaches to study and control immune reactions and their applications in therapy and diagnostics for infectious disease, cancer, allergy, autoimmunity, and transplantation.

Prerequisites: C or better in BMEN 240.

BMEN 548 - Cardiovascular System: From Development to Disease (3 Credits)

Survey of cardiovascular development, anatomy, physiology and pathology. Recent advances in our understanding of the basic mechanisms of congenital cardiovascular defects and cardiovascular disease. Engineering principles, detection and treatment of cardiovascular defects.

Prerequisites: D or better in BMEN 240.

BMEN 565 - Advanced Biomechanics (3 Credits)

Mathematical and theoretical analysis of the mechanical properties and functions of soft biological tissues to include arterial vessels.

Prerequisites: D or better in BMEN 263.

BMEN 572 - Tissue Engineering (3 Credits)

Molecular basis of bioregenerative engineering; biomaterial design; biocompatibility assessment; cell isolation and characterization; rapid prototyping, scaffold fabrication, and biofabrication; protein and gene delivery; bioreactor design; transport in biological tissues; applications of tissue engineering in regenerative medicine.

BMEN 575 - Engineering of Soft Materials (3 Credits)

Introductory overview of fundamental concepts in science and engineering of soft materials; the relation between microstructure and macroscopic behavior in a variety of soft matter systems; key applications in chemical and biomedical engineering.

Prerequisites: D or better in ECHE 320, ENCP 360, EMCH 360 or ECIV 360.

Cross-listed course: ECHE 575

BMEN 589 - Special Topics in Biomedical Engineering (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

Biostatistics (BIOS)

BIOS 410 - Introduction to Biostatistical Modeling (3 Credits)

Statistical modeling, primarily using applications in public health. Measures of agreement, principles of statistical inference, correlation, simple and multiple linear regression, categorical independent variables, interaction, repeated measures, and logistic regression.

Prerequisites: STAT 205 or equivalent.

BIOS 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Graduation with Leadership Distinction: GLD: Research

Business Administration (BADM)

BADM 301 - Business Careers in the Global Economy (1 Credit)

Course outlines job search essentials for business careers in a global economy. Business networking, interviewing, and career planning with an international focus will be covered. Completion of lower division business courses.

BADM 397D - T: European Business (1 Credit)**BADM 399 - Independent Study (1-15 Credits)**

Not to include Business Internship. (See BADM 499) Contract approved by instructor, advisor and undergraduate division head is required.

Graduation with Leadership Distinction: GLD: Research

BADM 401 - Planning and Managing a Career in Business (3 Credits)

Course will focus on defining and enhancing life/career goals using leadership assessment, life planning processes, and emotional intelligence discussions, all linked to transition to work.

Prerequisites: BADM 301.

BADM 499 - Business Internship (1 Credit)

Supervised work experience of at least nine hours per week (for 15 weeks in a semester) or minimum 135 hours total; approved by area program director, to include one class meeting a month and individual consultation. Contract approved by instructor, advisor, and undergraduate division head is required.

Prerequisites: Cumulative GPA of 2.8.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Chemical Engineering (ECHE)

ECHE 101 - Introduction to Chemical Engineering (2 Credits)

Introduction to engineering, with emphasis on chemical engineering. Problem-solving techniques, including the use of computer tools. Basic engineering design methods.

ECHE 202 - Exploring the Chemical Engineering Workplace (1 Credit)

Identification of career interests and active exploration of careers in chemical engineering.

Prerequisite or Corequisite: ECHE 300.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ECHE 203 - Research in Chemical Engineering (1 Credit)

Introduction to research in Chemical Engineering, effective literature search, communication of results, lab safety, and research ethics.

Graduation with Leadership Distinction: GLD: Research

ECHE 300 - Chemical Process Principles (3 Credits)

Material and energy balances in the chemical process industry. Properties of gases, liquids, and solids. Two one-hour lectures and one three-hour laboratory period devoted to problem solving.

Prerequisites: MATH 141.

Prerequisite or Corequisite: CHEM 112 or CHEM 142.

ECHE 310 - Introductory Chemical Engineering Thermodynamics (3 Credits)

First law and second law of thermodynamics. Thermodynamic properties of single component systems. Analysis of power and refrigeration cycles.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: MATH 241.

ECHE 311 - Chemical Engineering Thermodynamics (3 Credits)

Mass, energy, and entropy balance analysis of chemical engineering systems; evaluation of thermodynamic property changes of pure materials; solution thermodynamics of single-phase multicomponent systems; phase and chemical reaction equilibrium.

Prerequisites: C or better in ECHE 310, ENCP 290, CHEM 541, BMEN 290, EMCH 290 or PHYS 306.

ECHE 320 - Chemical Engineering Fluid Mechanics (3 Credits)

Fluid statics and dynamics with emphasis on chemical engineering applications.

Prerequisites: PHYS 211.

Prerequisite or Corequisite: MATH 241.

ECHE 321 - Heat-Flow Analysis (3 Credits)

Theory of heat transmission; mechanism, generation, distribution, and measurement; use of theory in practical equipment design.

Prerequisites: C or better in ECHE 320 or ENCP 360; C or better in MATH 242.

Prerequisite or Corequisite: D or better in ECHE 456.

ECHE 322 - Mass Transfer (3 Credits)

Molecular diffusion in fluids; diffusion in laminar and turbulent flow; momentum, transport analogies; interfacial mass transfer; design applications including humidification and absorption.

Prerequisites: D or better in ECHE 321.

ECHE 372 - Introduction to Materials (3 Credits)

Overview of the fundamental chemical aspects of materials; role of materials in applications in modern society by case studies of advances in new materials and processes.

Prerequisites: CHEM 112.

ECHE 389 - Special Topics in Chemical Engineering (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

ECHE 430 - Chemical Engineering Kinetics (3 Credits)

Concepts of chemical kinetics, batch and flow reactors, catalysts and reactor design.

Prerequisites: C or better in ECHE 311.

Prerequisite or Corequisite: D or better in ECHE 321 or BMEN 354.

ECHE 440 - Separation Process Design (3 Credits)

Design of stagewise chemical separation cascades; analysis of binary and ternary systems; multicomponent separations, plate and column specification procedures; distillation, crystallization, extraction, and leaching.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: ECHE 311.

ECHE 442 - Adsorption Fundamentals and Processes (3 Credits)

Basic principles of adsorption and adsorption processes including adsorbents, thermodynamics, kinetics, fixed bed adsorption and cyclic adsorption processes.

ECHE 456 - Computational Methods for Engineering Applications (3 Credits)

Introduction to advanced computational tools for the analysis of chemical engineering systems. Initial and boundary value problems related to heat and mass transfer, reaction engineering, and parameter estimation.

Prerequisite or Corequisite: D or better in MATH 242.

ECHE 460 - Chemical Engineering Laboratory I (3 Credits)

Review of technical-report writing and presentation techniques; topics in heat transfer, fluid mechanics, and thermodynamics; verification of theoretical results and determination of design parameters. One lecture and six laboratory hours.

Prerequisite or Corequisite: ECHE 311, ECHE 321.

ECHE 461 - Chemical Engineering Laboratory II (3 Credits)

Continuation of ECHE 460; topics in mass transfer, kinetics, and process control.

Prerequisites: ECHE 460.

Prerequisite or Corequisite: ECHE 430, ECHE 440.

ECHE 465 - Chemical-Process Analysis and Design I (3 Credits)

Economics of chemical engineering projects related to typical corporate goals and objectives; process-flowsheet development techniques; review of shortcut design techniques; selection of profitability criteria.

Prerequisite or Corequisite: ECHE 430, ECHE 440.

ECHE 466 - Chemical-Process Analysis and Design II (3 Credits)

Continuation of ECHE 465; computer-aided design of chemical processes; written and oral presentation of a comprehensive design project.

Prerequisites: D or better in ECHE 430, ECHE 440, ECHE 465.

Prerequisite or Corequisite: ECHE 322, ECHE 567.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECHE 497 - Thesis Preparation (1-3 Credits)

Completion of the thesis requirements for the departmental undergraduate research track. A maximum of three credits may be applied toward a degree.

Prerequisites: Three credit hours of ECHE 499, acceptance into the departmental undergraduate research track, and consent of instructor.

ECHE 498 - Topics in Chemical Engineering (1-3 Credits)

Reading and research on selected topics in chemical engineering. Course content varies and will be announced in the schedule of classes by title. May be repeated two times as topics vary. Pass-Fail grading.

Prerequisites: upper division standing.

Graduation with Leadership Distinction: GLD: Research

ECHE 499 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of six credits may be applied toward a degree. Advance approval of project proposal by advisor and instructor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECHE 520 - Chemical Engineering Fluid Mechanics (3 Credits)

Multi-phase pressure drop, phase contacting, flow through porous media, fluidization, mixing, and turbulence.

Prerequisites: ECHE 320 or ENCP 360.

ECHE 521 - Computational Fluid Dynamics for Engineering Applications (3 Credits)

Introduction to the use of computational fluid dynamics codes to analyze flow, heat, and mass transfer problems of practical engineering applications.

Prerequisites: ECHE 320 or EMCH 360 or ECIV 360 or ENCP 360 or AESP 265.

ECHE 530 - Intermediate Chemical Engineering Kinetics (3 Credits)

Intermediate concepts of chemical kinetics, batch and flow reactors, catalysts and reactor design, including non-ideal systems.

Prerequisites: C or better in ECHE 311.

Prerequisite or Corequisite: D or better in ECHE 321.

ECHE 540 - Intermediate Separation Process Design (3 Credits)

Intermediate level design of stagewise chemical separation cascades; analysis of binary and ternary systems; multicomponent separations, plate and column specification procedures; distillation, crystallization, extraction, and leaching.

Prerequisites: C or better in ECHE 300.

Prerequisite or Corequisite: D or better in ECHE 311.

ECHE 550 - Chemical-Process Dynamics and Control (3 Credits)

Fundamental physical and chemical principles in mathematically modeling the dynamic response of chemical processes; feedforward and feedback control systems; design of control schemes for selected chemical processes.

Prerequisites: C or better in ECHE 300 and MATH 242; D or better in ECHE 456.

ECHE 567 - Process Safety, Health and Loss Prevention (3 Credits)

Reliability, availability, and fault-tree analyses, risk indices, hazard evaluation, vapor cloud modeling, toxicology, material safety classification and regulations, individual/corporate ethical responsibilities.

Prerequisite or Corequisite: ECHE 466.

ECHE 571 - Corrosion Engineering (3 Credits)

Basic principles of corrosion engineering developed from a chemical engineering approach to thermodynamics, kinetics, mass transfer, and potential theory.

Prerequisites: ECHE 311.

ECHE 572 - Polymer Processing (3 Credits)

Industrial polymers with emphasis on their characterization and on the modeling of the major polymer fabrication processes.

ECHE 573 - Next Energy (3 Credits)

An examination of energy technologies that will enable society to move from an economy based on fossil fuels to one based on sustainable energy.

ECHE 574 - Combustion (3 Credits)

Fundamental process and applications related to the broad field of combustion and energy generation including emissions control technologies.

Prerequisites: ECHE 430.

ECHE 575 - Engineering of Soft Materials (3 Credits)

Introductory overview of fundamental concepts in science and engineering of soft materials; the relation between microstructure and macroscopic behavior in a variety of soft matter systems; key applications in chemical and biomedical engineering.

Prerequisites: D or better in ECHE 320, ENCP 360, EMCH 360, or ECIV 360.

Cross-listed course: BMEN 575

ECHE 589 - Special Advanced Topics in Chemical Engineering (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topic varies.

Chemistry (CHEM)

CHEM 101 - Fundamental Chemistry I (4 Credits)

A science elective surveying inorganic and solution chemistry. First of a terminal two-semester sequence. Three lecture, one recitation, and two laboratory hours per week.

Carolina Core: SCI

CHEM 102 - Fundamental Chemistry II (4 Credits)

An introductory survey of organic and biochemistry. Three lecture, one recitation, and two laboratory hours per week.

Prerequisites: 1 year high-school chemistry, CHEM 101, CHEM 111, or equivalent.

Carolina Core: SCI

CHEM 105 - Chemistry and Modern Society I (4 Credits)

A conceptual and qualitative approach to chemistry, its evolution, achievements, and goals and its impact on technology, the environment, and modern life and thought. (Specifically designed for non-science majors.) Three lecture and three laboratory hours per week.

Carolina Core: SCI

CHEM 106 - Chemistry and Modern Society II (3 Credits)

A continuation of Chemistry 105. Three lecture hours per week.

Prerequisites: C or higher in CHEM 105.

CHEM 106L - Chemistry and Modern Society II Laboratory (1 Credit)

Laboratory associated with CHEM 106. Three hours of laboratory per week.

Prerequisites: CHEM 105.

Corequisite: CHEM 106.

CHEM 107 - Forensic Chemistry (4 Credits)

Surveys chemical aspects of criminal investigation and adjudication including drug, arson, DNA, paint, and fiber identification. Three lecture and three laboratory hours per week.

Carolina Core: SCI

CHEM 111 - General Chemistry I (3 Credits)

Survey of the principles that underlie all chemistry with applications illustrating these principles. Three lecture and one recitation hours per week.

Prerequisites: C or higher in MATH 111, MATH 115, MATH 122, MATH 141 or higher math (or by placement score into MATH 122, MATH 141 or higher math).

Corequisite: CHEM 111L (unless grade of C or higher in CHEM 111L earned previously).

Carolina Core: SCI

CHEM 111L - General Chemistry I Lab (1 Credit)

Introduction to the principles and techniques of experimental chemistry with emphasis on formula investigations, equations, elementary statistics, and chemical reactivity.

Prerequisites: MATH 111 or MATH 115 or higher.

Prerequisite or Corequisite: CHEM 111.

Carolina Core: SCI

CHEM 112 - General Chemistry II (3 Credits)

Continuation of CHEM 111. Special emphasis on chemical equilibrium. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 111 and C or higher in MATH 111, MATH 115, MATH 122, MATH 141 or higher math.

Corequisite: CHEM 112L.

Carolina Core: SCI

CHEM 112L - General Chemistry II Lab (1 Credit)

Continuation of CHEM 111L with emphasis on solution properties, kinetics, equilibrium, acids and bases, and qualitative analysis.

Prerequisites: C or higher in CHEM 111 and CHEM 111L or CHEM 141.

Prerequisite or Corequisite: CHEM 112.

Carolina Core: SCI

CHEM 118 - Computational Chemistry I (1 Credit)

Introduction to the use of computers in solving chemical problems. One discussion and two laboratory hours per week.

Corequisite: CHEM 112 and CHEM 112L or CHEM 142 (unless a grade of C or higher earned previously).

CHEM 141 - Principles of Chemistry I (4 Credits)

Advanced general chemistry I. Atoms and chemical bonds. Three lecture hours, one recitation hour, and three laboratory hours per week. Credit cannot be received for both CHEM 111 and CHEM 141.

Prerequisites: high-school chemistry; C or higher in MATH 141 or higher math (or by placement score into MATH 142 or higher math).

Carolina Core: SCI

CHEM 142 - Principles of Chemistry II (4 Credits)

Advanced general chemistry II. Chemical kinetics, equilibria, and thermodynamics. Three lecture hours, one recitation hour, and three laboratory hours per week. Credit cannot be received for both CHEM 112 and CHEM 142.

Prerequisites: C or higher in CHEM 141.

CHEM 318 - Computational Chemistry II (1 Credit)

A continuation of CHEM 118, with applications to more advanced chemical problems. One discussion and two laboratory hours per week.

Prerequisites: C or higher in CSCE 145 or CSCE 206 and in CHEM 118.

CHEM 321 - Quantitative Analysis (3 Credits)

Gravimetric, volumetric, and introductory instrumental analysis. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 112 and CHEM 112L or in CHEM 142.

Corequisite: CHEM 321L.

CHEM 321L - Quantitative Analysis Laboratory (1 Credit)

Three laboratory hours per week. Credit cannot be received for both CHEM 321L and CHEM 322L.

Corequisite: CHEM 321.

CHEM 322 - Analytical Chemistry (3 Credits)

Qualitative analysis, quantitative analysis, fundamental or method analysis, and molecular characterization.

Prerequisites: C or higher in CHEM 112 and CHEM 112L (or in CHEM 142) and in MATH 141 or higher MATH.

Corequisite: CHEM 322L.

CHEM 322L - Analytical Chemistry Laboratory (1 Credit)

Laboratory skill building in analytical techniques. Applications of stoichiometry, spectroscopy, phase transfer, electrochemistry and kinetics. Credit cannot be received for both CHEM 321L and CHEM 322L.

Prerequisites: C or better in CHEM 112 and CHEM 112L or CHEM 142.

Corequisite: CHEM 322.

CHEM 331L - Essentials of Organic Chemistry Laboratory I (1 Credit)

Laboratory safety, syntheses, separation, and purification of carbon compounds. For non-majors.

Corequisite: CHEM 333 (unless grade of C or higher in CHEM 333 earned previously).

CHEM 332L - Essentials of Organic Chemistry Laboratory II (1 Credit)

Continuation of CHEM 331L. Spectroscopic identification of carbon compounds. For non-majors. Three lab hours per week.

Prerequisites: C or higher in CHEM 331L.

Corequisite: CHEM 334 (unless grade of C or higher in CHEM 334 earned previously).

CHEM 333 - Organic Chemistry I (3 Credits)

Contemporary theories, nomenclature, reactions, mechanisms, and syntheses of carbon compounds. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 112 or in CHEM 142.

CHEM 333L - Comprehensive Organic Chemistry Laboratory I (2 Credits)

Laboratory safety, synthesis, separation, and purification of carbon compounds. Required for chemistry majors. Six laboratory hours per week.

Corequisite: CHEM 333 (unless grade of C or higher in CHEM 333 earned previously).

CHEM 334 - Organic Chemistry II (3 Credits)

Continuation of CHEM 333. Three lecture and one recitation hours per week.

Prerequisites: C or higher in CHEM 333.

CHEM 334L - Comprehensive Organic Chemistry Laboratory II (2 Credits)

Continuation of CHEM 333L. Spectroscopic identification of carbon compounds. Required for chemistry majors. Six laboratory hours per week.

Prerequisites: C or higher in CHEM 333L.

Corequisite: CHEM 334 (unless grade of C or higher in CHEM 334 earned previously).

CHEM 340 - Elementary Biophysical Chemistry (3 Credits)

A non-calculus approach to the study of the principles of physical chemistry emphasizing their application to significant biochemical and biological systems. Chemical thermodynamics, kinetics, equilibrium, solution chemistry, the structure of macromolecules, and acid-base properties of biomolecules. Credit for a degree will not be given for both CHEM 340 and CHEM 541.

Prerequisites: C or higher in CHEM 112 and CHEM 112L or in CHEM 142.

CHEM 360 - Undergraduate Seminar (1 Credit)

Student seminars and a survey of biochemical and molecular biology research at the University of South Carolina. Required of all biochemistry majors.

CHEM 399 - Independent Study (1-3 Credits)

Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 401 - Industrial Chemistry Capstone Experience (3 Credits)

Prepares students for future roles in chemical industry or graduate school and provides career-enhancing interpersonal skills, including team-building, public speaking, resume preparation, and interviewing.

CHEM 496 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 497 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 498 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 499 - Undergraduate Research (3 Credits)

Introduction to the methods of chemical research. A written report on work accomplished is required at the end of each semester. Nine hours of library and laboratory per week. Contract Required.

Graduation with Leadership Distinction: GLD: Research

CHEM 511 - Inorganic Chemistry (3 Credits)

Consideration of atomic structure, valence, complex compounds, and systematic study of the periodic table.

Prerequisites: C or higher in CHEM 334, PHYS 212, and MATH 241.

CHEM 533 - Comprehensive Organic Chemistry III (3 Credits)

Selected organic reactions from synthetic and mechanistic viewpoints. For Undergraduate Credit Only.

Prerequisites: C or higher in CHEM 334.

CHEM 541 - Physical Chemistry (3 Credits)

Chemical thermodynamics and kinetics. For Undergraduate Credit Only.

Prerequisites: C or higher in CHEM 112 (or CHEM 142) and in MATH 241 or higher MATH.

Corequisite: PHYS 212; unless a grade of C or higher in PHYS 212 earned previously.

CHEM 541L - Physical Chemistry Laboratory (2 Credits)

Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

Prerequisites: C or higher in CHEM 321L or in CHEM 322L or in CHEM 142.

Corequisite: CHEM 541 (unless grade of C or higher in CHEM 541 earned previously).

CHEM 542 - Physical Chemistry (3 Credits)

Spectroscopy, statistical mechanics, and chemical applications of quantum mechanics.

Prerequisites: C or higher in CHEM 112 or in CHEM 142, MATH 241 and PHYS 212.

CHEM 542L - Physical Chemistry Laboratory (2 Credits)

Applications of physical chemical techniques. Five laboratory hours and one recitation hour per week.

Prerequisites: C or higher in CHEM 321L or in CHEM 142.

Corequisite: CHEM 542 (unless grade of C or higher in CHEM 542 earned previously).

CHEM 545 - Physical Biochemistry (3 Credits)

A survey of physical methods essential for studies of biomacromolecules. Three lecture hours per week.

Prerequisites: C or higher in CHEM 541 and in CHEM 550 or CHEM 555.

CHEM 550 - Biochemistry (3 Credits)

Description of biological macromolecules and major metabolic pathways. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: BIOL 541

CHEM 550L - Biochemistry Laboratory (1 Credit)

Experiments and demonstrations illustrating the principles of biochemistry. Three laboratory hours per week.

Prerequisite or Corequisite: C or higher in CHEM 550 or BIOL 541 or CHEM 555 or BIOL 545.

Cross-listed course: BIOL 541L

CHEM 555 - Biochemistry/Molecular Biology I (3 Credits)

Essentials of modern biochemistry. First semester of a two-semester course. Three lecture hours per week.

Prerequisites: C or higher in CHEM 334.

Cross-listed course: BIOL 545

CHEM 556 - Biochemistry/Molecular Biology II (3 Credits)

Essentials of modern biochemistry and molecular biology. Three lecture hours per week.

Prerequisites: C or higher in BIOL 302.

Cross-listed course: BIOL 546

CHEM 619 - Special Topics in Inorganic Chemistry (1-3 Credits)

Current developments in inorganic chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 621 - Instrumental Analysis (3 Credits)

Chemical instrumentation including electronics, signal processing, statistical analysis, molecular/atomic spectroscopy, electrochemical methods, chromatography, and mass spectrometry. Three lecture hours per week.

Prerequisites: C or higher in CHEM 321 or CHEM 322.

CHEM 621L - Instrumental Analysis Lab (1 Credit)

Methods, principles and strategies for chemical instrumentation in analysis. Chemical instrumentation laboratory with environmental, forensic, and biotechnology applications. Three laboratory hours per week.

Corequisite: CHEM 621.

CHEM 622 - Forensic Analytical Chemistry (3 Credits)

Analytical chemical methods in forensic science, including gathering of evidence, toxicology, drug identification, analysis of trace evidence, arson analysis, and DNA/serology.

Prerequisites: C or higher in CHEM 321, CHEM 321L and in CHEM 334, CHEM 332L or CHEM 334L.

CHEM 623 - Introductory Environmental Chemistry (3 Credits)

Study of the chemical reactions and processes that affect the fate and transport of organic chemicals in the environment. Three lecture hours per week.

Prerequisites: C or higher in CHEM 321, in CHEM 333, and in MATH 142.

CHEM 624 - Aquatic Chemistry (3 Credits)

Study of the chemical reactions and processes affecting the distribution of chemical species in natural systems. Three lecture hours per week.

Prerequisite or Corequisite: CHEM 321, MATH 142.

Cross-listed course: MSCI 624

CHEM 629 - Special Topics in Analytical Chemistry (1-3 Credits)

Current developments in inorganic chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 633 - Introduction to Polymer Synthesis (3 Credits)

Special emphasis on the modern synthesis of polymeric materials. Definitions, characterization, and applications of polymers will be briefly presented.

Prerequisites: C or higher in CHEM 334.

CHEM 639 - Special Topics in Organic Chemistry (3 Credits)

Current developments in organic chemistry. Readings and research on selected topics. May be repeated as content varies by title.

CHEM 643 - Computational Chemistry (3 Credits)

This course is designed to familiarize students with theory and use of modern electronic structure codes, as well as to develop critical thinking and problem-solving skills and to improve computer literacy.

Prerequisites: C or higher in CHEM 541 or CHEM 542.

CHEM 644 - Materials Chemistry (3 Credits)

Introduction to materials science; structural and electronic description of inorganic-based solids; experimental techniques in materials chemistry; interfacial energetics and optoelectronic processes at metal and semiconductor surfaces.

Corequisite: CHEM 542 (unless a grade of C or higher earned previously).

CHEM 649 - Special Topics in Physical Chemistry (1-3 Credits)

Current developments in physical chemistry. Readings and research on selected topics. Course content varies by title and will be announced in the schedule of classes. May be repeated for credit.

CHEM 655 - Metabolic Biochemistry of Human Disease (3 Credits)

Core concepts of biochemistry as applied to human health and disease.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Cross-listed course: BIOL 668

CHEM 659 - Special Topics in Biochemistry (3 Credits)

Selected topics in the field of biochemistry. May be repeated as content varies by title.

Prerequisites: C or higher in CHEM 555/BIOL 545 or CHEM 550/BIOL 541.

Chinese (CHIN)

CHIN 103 - Introduction to Chinese Calligraphy (2 Credits)

Five hundred of the most commonly used Chinese characters. Emphasis is on the phonetic and significant elements common to large groups of ideograms.

CHIN 121 - Elementary Chinese Mandarin (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

CHIN 122 - Basic Proficiency in Mandarin Chinese (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Chinese 121.

Prerequisites: CHIN 121.

Carolina Core: GFL

CHIN 221 - Intermediate Mandarin Chinese (3 Credits)

Continued practice of basic sentence patterns used in modern speech with increased emphasis on reading and acquisition of additional characters.

CHIN 222 - Intermediate Mandarin Chinese II (3 Credits)

Continued practice of basic sentence patterns used in modern speech with increased emphasis on reading and acquisition of additional characters.

CHIN 240 - Chinese Culture, Tradition, and Modern Societies (3 Credits)

Introduction to Chinese culture, heritage, and modern societies. Readings selected from printed and online sources. Taught in English.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CHIN 321 - Advanced intermediate Mandarin Chinese I (3 Credits)

Provides advanced intermediate training in spoken and written Chinese. By increasing students' vocabulary and knowledge of sentence patterns, the course focuses on speaking and writing in coherent, well-formed paragraphs.

Prerequisites: CHIN 222.

CHIN 322 - Advanced Intermediate Mandarin Chinese II (3 Credits)

Continues advanced intermediate training in spoken and written Chinese. Attention is given to complex grammatical patterns, discourse characteristics, and discussions of cultural topics.

Prerequisites: CHIN 321.

CHIN 335 - Women in China (3 Credits)

Introduces the connection between gender and the Chinese national imagination. Readings include cultural and historical documents that purport to explain the experience of women in China. Readings in English. Taught in English.

Cross-listed course: WGST 335

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CHIN 340 - Introduction to Premodern Chinese Literature (3 Credits)

An introduction to the most important works, authors, genres, and themes of Chinese literature from the first millennium B.C.E. to 1911.

CHIN 341 - Modern Chinese Literature (3 Credits)

Readings of canonical texts from modern Chinese literature. A focus is on the role of literature and other cultural documents in the imagination of China as a modern nation. Readings and discussion in English.

CHIN 365 - Screening China (3 Credits)

Survey of Chinese language cinema. Chinese film history and vocabulary with which to discuss film texts. Covers classic leftwing cinema, Hong Kong martial arts films, as well as the Hong Kong, Taiwan, and PRC New Waves. Taught in English. Films subtitled.

Cross-listed course: FAMS 365

CHIN 398 - Selected Topics (3 Credits)

Intensive study in selected authors or literary movements of China, including cultural aspects. May be repeated for credit under different titles. Taught in English.

CHIN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

CHIN 421 - Advanced Chinese I (3 Credits)

Acquisition of advanced grammar and vocabulary. Emphasis on building oral proficiency in professional settings.

Prerequisites: CHIN 322.

CHIN 422 - Advanced Chinese II (3 Credits)

Continued acquisition of advanced grammar and vocabulary. Emphasis on expanding communicative abilities in a wider variety of interpersonal situations.

Prerequisites: CHIN 421.

CHIN 550 - Advanced Special Topics in Chinese Studies (3 Credits)

Advanced special topics in Chinese studies. May be repeated as content varies by title.

Civil Engineering (ECIV)

ECIV 101 - Introduction to Civil Engineering (3 Credits)

Fundamental concepts in each of the disciplines of civil engineering are discussed. Critical thinking skills are formally fostered by hands-on experiences and group discussions.

ECIV 111 - Introduction to Engineering Graphics and Visualization (3 Credits)

Principles and practice of visualization and graphical representation using modern computer-aided design tools.

ECIV 200 - Statics (3 Credits)

Fundamentals of engineering mechanics. Equilibrium of particles and rigid bodies. Free-body diagrams, analysis trusses and frames. Distributed forces, centroids, centers of gravity, and friction.

Prerequisites: C or better in MATH 141.

ECIV 201 - Computational Methods for Civil Engineering (3 Credits)

The use of computational tools and techniques for solving civil and environmental engineering problems. Overview of numerical methods including roots of equations, systems of linear equations, interpolation, and integration. Analysis of civil and environmental systems.

Prerequisites: C or better in MATH 142 and ECIV 200 or ENCP 200.

ECIV 210 - Dynamics (3 Credits)

Kinematics of particles and rigid bodies. Vector representation of force and motion. Free-body diagrams, application of energy and momentum methods to solve problems. Rigid body and central force motion.

Prerequisites: C or better in ECIV 200 and in MATH 142.

ECIV 220 - Mechanics of Solids (3 Credits)

Concepts of stress and strain; stress analysis of basic structural members. Vectors, free bodies, equilibrium and elastic behavior. Combined stress, Mohr's circle. Beams, columns, torsion, and rotation.

Prerequisites: C or better in ECIV 200 or ENCP 200 and in MATH 142.

ECIV 300 - Civil Engineering Measurements (3 Credits)

Theory and application of plane surveying and mapping techniques. Lecture plus laboratory.

Prerequisites: MATH 241.

ECIV 303 - Civil Engineering Materials (3 Credits)

Mechanical and thermal properties of mineral aggregates, cements, concrete, timber, asphalt, metals, and plastics.

Prerequisites: C or better in ECIV 220 or ENCP 260.

ECIV 303L - Civil Engineering Materials Laboratory (1 Credit)

Experiments, exercises, and demonstrations to accompany ECIV 303. Three contact hours per week.

Prerequisites: D or better in ECIV 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 303.

ECIV 307 - Professional Development for Civil Engineers (3 Credits)

Regulatory permits and scheduling of construction projects. Engineering responsibility and liabilities. Reporting of engineering designs and analysis. Cost estimation of engineering projects including present or future net value.

Prerequisite or Corequisite: D or better in ECIV 320, ECIV 330, ECIV 340, ECIV 350, or ECIV 362.

ECIV 320 - Structural Analysis I (3 Credits)

Equilibrium, shear and moment diagrams, and influence lines for statically determinate trusses, beams, and frames. Energy principles and other methods for displacement calculations. Introduction to indeterminate structural analysis.

Prerequisites: ECIV 201; MATH 242; C or better in ECIV 220.

ECIV 325 - Structural Steel Design (3 Credits)

Behavior and design of steel beams, columns, and tension members; strength and stability; design of connections using welded, bolted and riveted construction.

Prerequisites: C or better in ECIV 320.

ECIV 327 - Reinforced Concrete Design (3 Credits)

Behavior and design of reinforced concrete beams, columns, continuous beams and one way slabs, and footings.

Prerequisites: C or better in ECIV 320.

ECIV 330 - Introduction to Geotechnical Engineering (3 Credits)

Engineering properties of soil and rock; hydraulic conductivity, flow nets, drainage design; consolidation theory, shearing strength of soil.

Prerequisites: C or better in either ECIV 220 or ENCP 260.

ECIV 330L - Geotechnical Laboratory (1 Credit)

Laboratory associated with ECIV 330. Soil mechanics experiments, exercises, and demonstrations. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 330.

ECIV 340 - Introduction to Transportation Engineering (3 Credits)

Transportation design, planning, and operational analysis, including roadway, airway, and railway systems; transportation elements, including traveled way, vehicle, control, terminals, and advanced technology; traffic data collection, interpretation, and analysis.

Prerequisites: D or better in ECIV 201 or D or better in ENCP 201 and D or better in STAT 509 or D or better in STAT 511.

ECIV 340L - Transportation Engineering Laboratory (1 Credit)

This course covers the principles of distances, elevations and angles that pertain to roadways, basic theories in engineering measurements and surveying calculations, and an introduction to mapping, for transportation engineering applications. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 340.

ECIV 350 - Introduction to Environmental Engineering (3 Credits)

Concepts of environmental engineering, including air and water pollution, solid and hazardous waste disposal, and noise pollution. Qualitative and quantitative development of engineering techniques for pollution control.

Prerequisites: D or better in CHEM 111 or CHEM 141; C or better in Math 142

ECIV 350L - Introduction to Environmental Engineering Laboratory (1 Credit)

Physical, chemical, and biological analysis of water and wastewater. Three laboratory hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or STAT 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 350.

ECIV 360 - Fluid Mechanics (3 Credits)

Principles of fluid statics and dynamics. Conservation of mass, momentum, and energy. Similitude and dimensional analysis, open channel flow, lift and drag forces, and introduction to turbulent flow.

Prerequisite or Corequisite: C or better in ECIV 200 or ENCP 200; C or better in MATH 142.

ECIV 362 - Introduction to Water Resources Engineering (3 Credits)

Application of fluid mechanic principles to water resources engineering problems; pipe systems, pumps, open channel flow, peak runoff, seepage, hydraulic structures.

Prerequisites: C or better in either ECIV 360 or ENCP 360.

ECIV 362L - Introduction to Water Resources Engineering Laboratory (1 Credit)

Experiments, exercises, and demonstrations on flow in pipes and open channels, pumps, flow measurement, seepage, and infiltration. Three contact hours per week.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in STAT 509 or 511.

Prerequisite or Corequisite: D or better in ECIV 201 or ENCP 201; D or better in ECIV 362.

ECIV 405 - System Applications in Civil Engineering (3 Credits)

Systems approach to analysis and design; application of engineering economic principles to the evaluation of design alternatives; deterministic modeling and optimization emphasizing civil engineering applications.

Prerequisites: D or better in ECIV 201 or ENCP 201.

ECIV 426 - Structural Design (3 Credits)

Design of steel structures including elastic and plastic design concepts. Design of concrete structures including continuous members and long columns.

Prerequisites: ECIV 325 or ECIV 327.

ECIV 470 - Civil Engineering Design (4 Credits)

Application of hydraulic, geotechnical, and structural principles in design; project scheduling; cost estimation; ethics; environmental and social impact; design drawings; report documents.

Prerequisites: D or better in ECIV 101 or ENCP 101; D or better in ECIV 307.

Prerequisite or Corequisite: D or better in ECIV 111 or ENCP 102; D or better in two ECIV Distribution Courses.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ECIV 490 - Special Topics (0-3 Credits)

Course content varies and will be announced in the schedule of classes by course title. May be repeated as topic varies. A maximum of twelve credits may be applied towards a degree.

Graduation with Leadership Distinction: GLD: Research

ECIV 497 - Fundamentals of Engineering Preparation (1 Credit)

Preparation for the Fundamentals of Engineering Exam. Will cover general engineering and civil engineering specific areas. Restricted to Civil Engineering Seniors. Pass/ Fail Grading.

ECIV 499 - Independent Study in Civil and Environmental Engineering (1-3 Credits)

Individual investigation or studies of special topics. A maximum of six credits may be applied toward a degree.

Prerequisites: approval of project proposal by instructor; USC/GPA 2.8.

Graduation with Leadership Distinction: GLD: Research

ECIV 502 - Life Cycle Assessment of Civil and Environmental Engineering Systems (3 Credits)

The steps of conducting and interpreting an environmental life cycle assessment on civil and environmental engineering systems. Fundamentals associated with conducting a life cycle assessment, including goal and scope, inventory analysis, impact assessment, and interpretation.

Prerequisites: D or better in ECIV 350 and D or better in either ECIV 303, ECIV 325, ECIV 327, ECIV 330, ECIV 340 or ECIV 362.

ECIV 503 - Structural Modeling and Experimental Methods (3 Credits)

Introduction of structural modeling; strain gauge instrumentation; force, displacement, acceleration, pressure, temperature measurements; concrete and steel modeling; size effects; analysis of experimental data.

Prerequisites: ECIV 327.

ECIV 520 - Structural Analysis II (3 Credits)

Advanced methods of structural analysis with emphasis on matrix methods. Development of the generalized matrix force and matrix displacement methods of static analysis, with applications to trusses and frames.

Prerequisites: ECIV 320.

ECIV 521 - Numerical Methods in Mechanics (3 Credits)

Numerical modeling of typical engineering problems. Numerical solution of linear and nonlinear, boundary and initial value problems. Introduction to optimization.

Prerequisites: D or better in ECIV 201 or ENCP 201.

ECIV 524 - Structural Vibrations (3 Credits)

Response of single- and multiple-degree of freedom structurally dynamic systems to impact, harmonic, wind, and seismic excitations.

Prerequisites: ECIV 320.

ECIV 526 - Timber and Masonry Design (3 Credits)

Basic engineering properties of timber and masonry materials, design methods and philosophies for timber and masonry structures. Particular attention is paid to current codes, specifications and analysis.

Prerequisites: C or better in ECIV 320.

ECIV 530 - Foundation Analysis and Design (3 Credits)

Subsurface investigation procedures. Theoretical and practical aspects of the design of earth retaining structures, spread footings, and pile foundations.

Prerequisites: ECIV 330.

ECIV 531 - Design of Earth Structures (3 Credits)

Geotechnical engineering problems associated with the behavior of earth masses. Soil shear strength, lateral earth pressure, design of retaining structures, slope stability, water flow through soils.

Prerequisites: ECIV 330.

ECIV 533 - Geosynthetics and Geotechnical Design of Landfills (3 Credits)

Principles for the design, construction, and performance of waste containment systems. Characterization of barrier materials; geosynthetics; design of liner and leachate collection systems; stability and deformation analyses of landfills.

Prerequisites: ECIV 330.

ECIV 535 - Geotechnical Engineering in Transportation (3 Credits)

Remote sensing and engineering geology. Field and laboratory testing. Design and maintenance methods for flexible and rigid pavements. Topics in tunnel design and buried conduit.

Prerequisites: ECIV 330.

ECIV 539 - Experimental Methods in Geotechnical Engineering (3 Credits)

Overview of transducers, signal conditioning and data acquisition; test control methods, data analysis and measurement errors; testing systems to measure soil strength, stiffness, and hydraulic conductivity; laboratory projects and examinations.

Prerequisites: ECIV 330, ECIV 330L.

ECIV 540 - Transportation Systems Planning (3 Credits)

Fundamental interactions between supply and demand in transportation systems. Modeling transportation demand and trip-making behavior. Evaluation of alternatives for decision making.

Prerequisites: ECIV 340.

ECIV 541 - Highway Design (3 Credits)

Design of transportation facilities using relevant tools and guidelines with emphasis on physical and operational aspects of arterials, freeways, intersections, and interchanges, including geometry, capacity, control, and safety.

Prerequisites: D or better in ECIV 111 or ENCP 102 and D or better in ECIV 340.

ECIV 542 - Traffic Engineering (3 Credits)

Capacity analysis of freeways and arterials. Traffic flow characteristics and basic relationships among traffic flow parameters. Signalized and unsignalized intersection control and signal timing design.

Prerequisites: ECIV 340.

ECIV 543 - Traffic Safety Analysis (3 Credits)

Research concepts and methodologies to enable students to identify the underlying reasons and factors that contribute to traffic crashes and determine appropriate countermeasures.

Prerequisites: D or better in ECIV 340.

ECIV 551 - Elements of Water and Wastewater Treatment (3 Credits)

Unit operations and processes employed in the physical, chemical, and biological treatment of water and wastewater. Design of water and wastewater treatment systems.

Prerequisites: ECIV 350.

ECIV 555 - Principles of Municipal Solid Waste Engineering (3 Credits)

Fundamentals and engineering principles of solid waste generation, characterization, collection and transport, source reduction and recycling, and physical, chemical, and biological treatment strategies.

Prerequisites: ECIV 350.

ECIV 556 - Air Pollution Control Engineering (3 Credits)

Introduction to the sources of air pollution and the engineering principles used for control and prevention.

Prerequisites: ECIV 350.

ECIV 557 - Sustainable Construction for Engineers (3 Credits)

Instruction to sustainable engineering design alternatives and principles for construction and site development from preconstruction through design and the construction phase.

Prerequisites: ECIV 350 and ECIV 570.

ECIV 558 - Environmental Engineering Process Modeling (3 Credits)

Modeling fate and transport phenomena in environmental processes with applications in engineered unit operators and natural systems.

Prerequisites: ECIV 350 and MATH 242.

ECIV 560 - Open Channel Hydraulics (3 Credits)

Steady and unsteady flows in single or multiple-channel systems.

Prerequisites: ECIV 360.

ECIV 562 - Engineering Hydrology (3 Credits)

Applications of hydrologic techniques to design problems; stormwater simulation models; urban stormwater.

Prerequisite or Corequisite: D or better in ECIV 362.

ECIV 563 - Subsurface Hydrology (3 Credits)

Hydrologic cycle, subsurface physical properties, equations of groundwater flow, well flow, well design, groundwater resource development, design of dewatering systems, groundwater contamination.

Prerequisites: D or better in ECIV 201 or ENCP 201; D or better in ECIV 362.

ECIV 570 - Land Development for Engineers (3 Credits)

Fundamentals of designing and permitting the conversion of land to new or altered states, including environmental issues, traffic and parking, utility resources, site engineering, ADA, safety, planning, and zoning requirements.

Prerequisites: Three from ECIV 320, ECIV 330, ECIV 340, ECIV 350, and ECIV 362.

ECIV 580 - Railway Engineering I (3 Credits)

Introduction to the analysis and design of the railway infrastructure for freight and passenger systems to include track and track support systems, grade crossings, special trackwork, construction, inspection, assessment and compliance.

Prerequisites: ECIV 303, ECIV 320, ECIV 330, ECIV 340.

Corequisite: ECIV 303.

ECIV 582 - Operation and Logistics of Railway Systems (3 Credits)

Principles of rail operations; Network management; Best practices for train planning, performance management and delivery of service; technical elements of a railway from an operations perspective (train controls, signaling, communications, yards, tractive power etc).

Prerequisites: ECIV 340.

ECIV 588 - Design of Railway Bridges and Structures (3 Credits)

Introduction to railway infrastructure; Structural design considerations and criteria of railway structures; Bridge types and components; Planning and preliminary design of modern railway bridges; Loads and forces; Structural analysis and design of steel railway bridges and components.

Prerequisite or Corequisite: ECIV 330; ECIV 325 or ECIV 327.

ECIV 590 - Intermediate Special Topics (3 Credits)

The content of this course varies, and the topics are selected by the faculty. The aim of this course is to expose upper-level undergraduate students and graduate students to a contemporary issue, not covered in any Civil and Environmental Engineering course. Possible topics include intelligent infrastructure, sustainable construction, and monitoring and improvement of poor and degrading infrastructure.

Classics (CLAS)

CLAS 220 - Introduction to Classical Mythology (3 Credits)

Major gods, goddesses, heroes, and heroines of classical mythology as portrayed in major literary works; the function of myth in society and its relevance to modern life.

Carolina Core: AIU

CLAS 230 - Medical and Scientific Terminology (3 Credits)

Greek and Latin elements in the formation of medical and scientific vocabulary; designed for students intending to enter the scientific and health professions. No previous knowledge of Greek or Latin required.

CLAS 240 - Sport and Combat in the Ancient World (3 Credits)

This course is designed to introduce students to the importance of competition in the military and private spheres of the Greco-Roman world, a dominant legacy of antiquity.

CLAS 301 - Ancient Philosophy (3 Credits)

An introduction to the work of ancient philosophers, with special emphasis on Plato and Aristotle.

Cross-listed course: PHIL 301

CLAS 302 - Greek and Roman Philosophy after Aristotle (3 Credits)

Problems such as hedonism, providence, belief and evidence, and mysticism, as they appear in the writings of the Epicureans, Stoics, Sceptics, and Plotinus.

Cross-listed course: PHIL 302

CLAS 305 - Greece and Rome in Film and Popular Culture (3 Credits)

Representations of antiquity in cinema, television, and other contemporary media, with emphasis on Hollywood's reception of Greek and Roman history.

Cross-listed course: HIST 305

CLAS 320 - Sexuality and Gender in Ancient Greece (3 Credits)

Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes toward homosexuality; the modern media's representation of famous Greeks.

Cross-listed course: WGST 320

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CLAS 321 - Sexuality, Gender, and Power in Ancient Rome (3 Credits)

Sexuality as a social construct exemplified in standards of sexual behavior in ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes toward homosexuality.

Cross-listed course: WGST 321

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CLAS 323 - Greek Civilization on Site (3 Credits)

Introduction to the history and culture of ancient Greece, combined with an excursion of Greece. Topics include: Mycenaean Greece and the world of Homer, Archaic Greece, oikos and polis, interaction with the Near East, Athens in the 5th and 4th century BCE, Greek religion, ancient Greek society.

CLAS 324 - Special Topics in Classical Humanities (3 Credits)

Intensive study of one topic per semester dealing with ancient contributions to Western civilization. Not for Greek or Latin major credit. In English. May be repeated as content varies by title.

CLAS 325 - Classical Roots of US Constitution (3 Credits)

Study of the impact of the culture of Greece and Rome on the founding fathers of the American Revolution.

CLAS 340 - Greek Art and Archaeology (3 Credits)

A survey of ancient architecture, painting, and sculpture 2000-160 B.C.

Cross-listed course: ARTH 312

CLAS 350 - Pompeii: Daily Life in a Roman Town (3 Credits)

This course uses the rich archaeological resource of the city of Pompeii to explore daily life in Ancient Rome. Using both material and written sources, students will learn about how people of all social classes lived in the public and private spaces of Pompeii.

CLAS 360 - Classical Origins of Western Medical Ethics (3 Credits)

Examination of ancient Greek and Roman philosophical, medical, and literary works (in English) as sources for the origins of medical ethics. Priority enrollment for Medical Humanities students.

Cross-listed course: PHIL 312

CLAS 361 - Between Magic and Method: Ancient Medicine (3 Credits)

Introduction to ancient medicine: science and art, theory and practice, healing and predicting. Topics include Medicine before Hippocrates, Hippocratic medicine, holism, naturalism, medicine, religion and magic, medicine and scientific explanation, Hellenistic medicine and methodology, Galenic medicine.

Cross-listed course: PHIL 313

CLAS 370 - Rise and Fall of the Athenian Empire (3 Credits)

Athenian History from Persian Wars through Peloponnesian War.

CLAS 371 - The Caesars: Rome's First Family (3 Credits)

Study of Rome's imperial family from Julius Caesar until the death of Nero.

CLAS 401 - Greek and Latin Literature in Translation (3 Credits)

A comparative survey of Greek and Latin masters.

CLAS 469 - Classical Drama (3 Credits)

Representative plays by Greek and Roman dramatists.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 395

CLAS 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: ENGL 471, SPCH 471

CLAS 586 - Classical Mythology (3 Credits)

The major Greek and Roman myths, with emphasis on their meaning, functions, and influence on ancient and later Western culture.

CLAS 598 - Classics of Western Literary Theory (3 Credits)

Problems of literary theory in texts from the ancients to the 17th century, with an emphasis on the classical tradition.

Cross-listed course: CPLT 701, ENGL 733

Coll of Liberal Arts (COLA)

COLA 298 - Interdisciplinary Special Topics in the Liberal Arts: Social Sciences (3 Credits)

Interdisciplinary special topics emphasizing the social sciences. May be repeated as content varies by title and section.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Research

COLA 390 - Internship: Community Engagement (1-6 Credits)

Supervised experience in the United States. Contract approval by instructor, advisor, and Assistant Dean for Academic Studies is required for undergraduate students. Minimum GPA of 2.5 required or permission of instructor of record.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

COLA 391 - Internship: Global Community Engagement (1-6 Credits)

Supervised experience either while student is studying abroad or when offered an internship by an appropriate entity outside the United States. Contract approval by instructor and Assistant Dean for Academic Studies is required. Minimum GPA requirement of 2.5 or higher or permission of the instructor of record.

Experiential Learning: Experiential Learning Opportunity

COLA 398 - Interdisciplinary Seminar (3 Credits)

Advanced reading and research on selected interdisciplinary topics in the liberal arts. Course content varies and will be announced in the schedule of classes by title. Open only to juniors and seniors with consent of instructor.

COLA 399 - Interdisciplinary Undergraduate Research (1-6 Credits)

Supervised research experience in various interdisciplinary topics.

Communication Disorders (COMD)

COMD 401 - Public Health Perspective in Communication Sciences and Disorders (3 Credits)

Public health issues related to speech, language, and hearing from local, national and global perspective in historical context. Special permission required by department.

COMD 408 - Directed Study in Speech and Language Pathology (1-3 Credits)

Directed readings and/or research in speech pathology.

COMD 500 - Introduction to Speech-Language Pathology and Audiology (3 Credits)

Human communication disorders with an overview of prevention and treatment programs.

COMD 501 - Anatomy and Physiology of Speech and Hearing Mechanisms (3 Credits)

An intensive study of the anatomy and physiology of the speech and hearing mechanisms.

COMD 503 - Anatomy and Physiology of the Auditory and Vestibular System (3 Credits)

Detailed examination of the anatomy and physiology of the auditory and vestibular system.

Prerequisites: COMD 501.

COMD 507 - Language Theory and Phonetics (3 Credits)

Study of language theory and international phonetics alphabet transcription.

COMD 521 - Introduction to Clinical Procedures in Speech Pathology (1 Credit)

Diagnostic and therapeutic programs for the communicatively handicapped will be observed in the public school and various rehabilitative settings. Discussion and study of basic therapeutic theories and procedures utilized in speech therapy. Introduction to phonetics or equivalent or permission of instructor.

COMD 525 - Selected Topics (1-3 Credits)

Presentation of current experimental or innovative programs in diagnosis and treatment of the communicatively impaired. Course is designed to update the practicing clinician in specific areas of expertise. May be repeated for credit. Individual topics to be announced by title. Permission of instructor.

COMD 526 - Disorders of Articulation: Evaluation and Therapy (3 Credits)

The diagnosis and treatment of articulation problems in children and adults, including analysis of current research in testing and therapy for articulation disorders.

Prerequisites: COMD 501 and COMD 507 or equivalents.

COMD 540 - Principles of Audiology (3 Credits)

Basic anatomy and psycho-physics of hearing, the pathologies of hearing loss, introduction to identification procedures including organization of hearing conservation programs and practice in pure-tone audiometry, and impact of hearing loss on preschool and school-age children and educational, psychological, and medical aspects of habilitation.

COMD 560 - Observation of Speech Language Pathology (1-3 Credits)

Introduction to the clinical process through observation of various diagnostic reports and intervention programs included.

COMD 570 - Introduction to Language Development (3 Credits)

The language acquisition process in normal children, including the development of semantics, morphology, syntax, phonology, and pragmatics; American dialects and bilingualism.

Prerequisites: COMD 501 and COMD 507.

Cross-listed course: LING 570

Comp Sci & Comp Engr (CSCE)

CSCE 101 - Introduction to Computer Concepts (3 Credits)

History, application, and social impact of computers; problem-solving, algorithm development, applications software, and programming in a procedural language.

Carolina Core: ARP

CSCE 102 - General Applications Programming (3 Credits)

Introduction to systematic computer problem-solving and programming for a variety of applications.

Carolina Core: ARP

CSCE 145 - Algorithmic Design I (4 Credits)

Problem-solving, algorithmic design, and programming. Three lectures and two laboratory hours per week.

Prerequisite or Corequisite: MATH 111 or MATH 115.

Carolina Core: ARP

CSCE 146 - Algorithmic Design II (4 Credits)

Continuation of CSCE 145. Rigorous development of algorithms and computer programs; elementary data structures. Three lecture hours and two laboratory hours per week.

Prerequisites: C or better in CSCE 145.

Prerequisite or Corequisite: MATH 122 or MATH 141.

CSCE 190 - Computing in the Modern World (1 Credit)

An introduction to the field of computing: trends in computing technology, the profession, and careers; subdisciplines in computing; the nature of research and development.

Corequisite: CSCE 145, CSCE 204, CSCE 205, CSCE 206 or equivalent.

CSCE 201 - Introduction to Computer Security (3 Credits)

Introduction to the theory and practice of computer security, including security policies, authentication, digital certificates, firewalls, malicious code, legal and ethical issues, and incident handling.

Prerequisite or Corequisite: CSCE 101 or CSCE 102 or CSCE 145.

CSCE 204 - Program Design and Development (3 Credits)

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.

Prerequisites: CSCE 101 or MGSC 290 or ITEC 264.

Cross-listed course: ITEC 204, MGSC 298

CSCE 205 - Business Applications Programming (3 Credits)

Introduction to computer applications in business. Programming exercises in COBOL.

Prerequisites: MGSC 290 or CSCE 101 or above.

CSCE 206 - Scientific Applications Programming (3 Credits)

Introduction to computer applications in science and engineering. Programming exercises in a high-level language.

Prerequisites: MATH 122 or MATH 141.

CSCE 207 - UNIX System Administration (3 Credits)

The Unix programming environment: I/O programming, Unix processes, fork, exec, pipes and signals, and tools.

Prerequisites: CSCE 145 or CSCE 206.

CSCE 209 - Special Topics in Computer Programming (1-4 Credits)

Programming and application development using selected programming languages. Course content varies and will be announced in the schedule of classes by title.

CSCE 210 - Computer Hardware Foundations (3 Credits)

Number representation, data formats, CPU and memory organization, assembly language, I/O and peripherals, computer networks. Students may not apply both CSCE 210 and CSCE 212 to any minor or major program of study.

Prerequisites: D or better in CSCE 145, CSCE 204, CSCE 205, CSCE 206, or CSCE 207.

CSCE 211 - Digital Logic Design (3 Credits)

Number systems, Boolean algebra, logic design, sequential machines.

Prerequisites: MATH 141.

CSCE 212 - Introduction to Computer Architecture (3 Credits)

Computer architecture, components, and organization; memory addressing; Input/Output; instruction sets; interrupts; assembly-language programming. Students may not apply both CSCE 210 and CSCE 212 to any minor or major program of study.

Prerequisites: D or better in CSCE 211 and D or better in either CSCE 145 or CSCE 206.

CSCE 215 - UNIX/Linux Fundamentals (1 Credit)

UNIX operating system, user-level system commands, and programming tools. UNIX scripting languages.

Prerequisites: CSCE 145.

CSCE 240 - Advanced Programming Techniques (3 Credits)

Pointers; memory management; advanced programming language structures: operator overloading, iterators, multiple inheritance, polymorphism, templates, virtual functions; Unix programming environment.

Prerequisites: CSCE 215, C or better in CSCE 146.

CSCE 242 - Client-Server Computing (3 Credits)

Web technologies to support client-server computing. Implementation of client-server applications.

Prerequisites: C or better in CSCE 146.

CSCE 245 - Object-Oriented Programming Techniques (3 Credits)

Advanced object-oriented concepts and techniques; multiple inheritance; memory management; operator overloading; polymorphism; performance issues.

Prerequisites: C or better in CSCE 146.

CSCE 247 - Software Engineering (3 Credits)

Fundamentals of software design and development; software implementation strategies; object-oriented design techniques; functional design techniques; design patterns; design process; source control; testing.

Prerequisites: C or better in CSCE 146.

CSCE 274 - Robotic Applications and Design (3 Credits)

Design and control of robots. Interactions between robots, sensing, actuation, and computation.

Prerequisites: CSCE 146.

CSCE 304 - Applied Problem Solving and Programming (3 Credits)

Systematic problem definition, solution formulation, and computer implementation for business and related areas. Internet and database applications. Programming exercises in a high-level programming language.

Prerequisites: CSCE 204 or MGSC 298.

Cross-listed course: MGSC 398

CSCE 311 - Operating Systems (3 Credits)

Operating system structure and function; process implementation, scheduling, and synchronization; memory management; security; naming protection; resource allocation; network file systems.

Prerequisites: CSCE 240; CSCE 210 or CSCE 212.

CSCE 313 - Embedded Systems (3 Credits)

Fundamentals of embedded systems: hardware components, software components, hardware/software interface design, and hardware/software co-design.

Prerequisites: CSCE 211, CSCE 212.

CSCE 317 - Computer Systems Engineering (3 Credits)

System-level modeling and evaluation of computer systems: requirements elicitation and specification, architectural design, reliability and performance evaluation, Markov modeling, life-cycle cost analysis, project management.

Prerequisites: CSCE 212, MATH 242, STAT 509.

CSCE 330 - Programming Language Structures (3 Credits)

Formal specification of syntax and semantics; structure of algorithms; list processing and string manipulation languages; statement types, control structures, and interfacing procedures.

Prerequisites: CSCE 240; MATH 174 or MATH 374 or MATH 574.

CSCE 350 - Data Structures and Algorithms (3 Credits)

Techniques for representing and processing information, including the use of lists, trees, and graphs; analysis of algorithms; sorting, searching, and hashing techniques.

Prerequisites: CSCE 240; MATH 174 or MATH 374 or MATH 574.

CSCE 355 - Foundations of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages, grammars, automata, and Turing machines; fundamental limits of computation.

Prerequisites: CSCE 211, CSCE 212, CSCE 350.

CSCE 390 - Professional Issues in Computer Science and Engineering (1 Credit)

Professional issues in the information technology professions; history and social context of computing; professional responsibilities; privacy; intellectual property; risks and liabilities of computer-based systems.

Carolina Core: VSR

CSCE 415 - Mainframe Systems (3 Credits)

Introduction to the large scale computer systems used by businesses to support thousands of simultaneous users and process millions of transactions.

Prerequisites: ITEC 352 or CSCE 240.

Cross-listed course: ITEC 475

CSCE 416 - Introduction to Computer Networks (3 Credits)

Concepts and components of computer networks and the Internet; network applications; network protocol stack.

Prerequisites: CSCE 146.

CSCE 490 - Capstone Computing Project I (3 Credits)

Major team-based software design project to be undertaken in a student's final year of study; project planning, software requirements analysis, design, and specification. Written reports and oral presentations in a technical setting.

Prerequisites: D or better in CSCE 240.

Prerequisite or Corequisite: D or better in CSCE 350.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

CSCE 491 - Capstone Computer Engineering Project (3 Credits)

Advanced computer systems engineering. Team projects. Written reports and oral presentations in a technical setting.

Prerequisites: D or better in CSCE 240, CSCE 313, CSCE 611.

Graduation with Leadership Distinction: GLD: Research

CSCE 492 - Capstone Computing Project II (3 Credits)

Continuation of CSCE 490. Computer system implementation, testing, verification and validation of results. Written reports and oral presentations in a technical setting.

Prerequisites: CSCE 490.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

CSCE 498 - Independent Study (1-3 Credits)

Individual investigation or study of special topics. At most three credits may be applied toward a degree. Approval of project proposal by instructor and department advisor.

Graduation with Leadership Distinction: GLD: Research

CSCE 500 - Computer Programming and Applications (3 Credits)

Concepts and properties of algorithms; programming exercises with emphasis on good programming habits. Credit may not be received for both CSCE 500 and CSCE 145. Open to all majors. May not be used for major credit by computer science and engineering majors.

CSCE 510 - System Programming (3 Credits)

System software such as command language interpreters, client-server applications, debuggers; mail systems, browsers, macroprocessors, and revision control systems; file systems, processes, threads, and interprocess communication.

Prerequisites: CSCE 215, CSCE 240.

CSCE 512 - System Performance Evaluation (3 Credits)

Measuring, modeling, analyzing, and predicting performance of computer systems and networks; bottleneck analysis; Markovian queuing systems and networks; use of operational and probabilistic models.

Prerequisites: CSCE 311, STAT 509 or STAT 515.

CSCE 513 - Computer Architecture (3 Credits)

Design methodology; processor design; computer arithmetic: algorithms for addition, multiplication, floating point arithmetic; microprogrammed control; memory organization; introduction to parallel architectures.

Prerequisites: CSCE 211, CSCE 212.

CSCE 515 - Computer Network Programming (3 Credits)

Computer networks and communication protocols; socket programming; interprocess communication; development of network software; case studies.

Prerequisites: CSCE 311.

CSCE 516 - Computer Networks (3 Credits)

Structure, design, and analysis of computer networks; ISO/OSI network architecture.

Prerequisites: STAT 509 or STAT 515.

CSCE 517 - Computer Crime and Forensics (3 Credits)

Structure, design, and analysis of computer networks; ISO/OSI network architecture.

Prerequisites: CSCE 215.

CSCE 518 - Ethical Hacking (3 Credits)

Fundamental principles and techniques of ethical hacking, including penetration testing life cycle, planning and scoping, identifying targets and goals, active and passive reconnaissance, enumeration and scanning, exploitation, post-exploitation, and results reporting.

Prerequisites: CSCE 215 or previous Linux/UNIX experience.

CSCE 520 - Database System Design (3 Credits)

Database management systems; database design and implementation; security, integrity, and privacy.

Prerequisites: CSCE 240 or GEOG 563.

CSCE 522 - Information Security Principles (3 Credits)

Threats to information resources and appropriate countermeasures. Cryptography, identification and authentication, access control models and mechanisms, multilevel database security, steganography, Internet security, and intrusion detection and prevention.

Prerequisites: CSCE 146; MATH 374 or MATH 174.

CSCE 526 - Service Oriented Computing (3 Credits)

Cooperative information systems and service-oriented computing. Techniques for achieving coordinated behavior among a decentralized group of information system components. Distributed databases, multiagent systems, conceptual modeling, Web services, and applications.

Prerequisites: CSCE 311.

CSCE 531 - Compiler Construction (3 Credits)

Techniques for design and implementation of compilers, including lexical analysis, parsing, syntax-directed translation, and symbol table management.

Prerequisites: CSCE 240.

CSCE 546 - Mobile Application Development (3 Credits)

Development of mobile applications, including user interface design for mobile, local and cloud data storage techniques, and application architectures.

Prerequisites: CSCE 240 or previous programming experience with one of the following programming languages (C/C++, Java, Swift, Python, Matlab, Javascript).

CSCE 547 - Windows Programming (3 Credits)

Object-oriented methods and tools for application programming with graphically interactive operating systems.

Prerequisites: CSCE 240.

CSCE 548 - Building Secure Software (3 Credits)

Construction of software systems resistant to vulnerabilities and attacks. Cryptographic tools. Language, operating system, and network security. Case studies. Development of best practices through programming assignments.

Prerequisites: CSCE 240.

CSCE 551 - Theory of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity

Prerequisites: C or better in CSCE 350 or MATH 300.

Cross-listed course: MATH 562

CSCE 552 - Computer Game Development (3 Credits)

Design and development of computer games, with emphasis on the technologies used. Hands-on development of computer games.

Prerequisites: CSCE 240, CSCE 350.

CSCE 555 - Algorithms in Bioinformatics (3 Credits)

Concepts, algorithms and tools for important problems in Bioinformatics, including nucleotide and amino acid sequence alignment, DNA fragment assembly, phylogenetic reconstruction, and protein structure visualization and assessment.

Prerequisites: CSCE 350.

CSCE 557 - Introduction to Cryptography (3 Credits)

Design of secret codes for secure communication, including encryption and integrity verification: ciphers, cryptographic hashing, and public key cryptosystems such as RSA. Mathematical principles underlying encryption. Code-breaking techniques. Cryptographic protocols.

Prerequisites: C or better in CSCE 145 or MATH 241, and at least one of CSCE 355, MATH 300 or MATH 374.

Cross-listed course: MATH 587

CSCE 561 - Numerical Analysis (3 Credits)

Interpolation and approximation of functions; solution of algebraic equations; numerical differentiation and integration; numerical solutions of ordinary differential equations and boundary value problems; computer implementation of algorithms.

Prerequisites: C or better MATH 520 or in both MATH 242 and MATH 344.

Cross-listed course: MATH 527

CSCE 563 - Systems Simulation (3 Credits)

Computer simulation of real systems; principles of system organization; random number generation; programming exercises in a simulation language.

Prerequisites: CSCE 240, STAT 509 or STAT 515.

CSCE 564 - Computational Science (3 Credits)

Parallel algorithms; scientific visualization; techniques for solving scientific problems.

Prerequisites: MATH 526, CSCE 146 or CSCE 207 or CSCE 500.

CSCE 565 - Introduction to Computer Graphics (3 Credits)

Graphics hardware; graphics primitives; two-dimensional and three-dimensional viewing; basic modeling.

Prerequisites: CSCE 240, MATH 526 or MATH 544.

CSCE 567 - Visualization Tools (3 Credits)

Scientific visualization tools as applied to sampled and generated data; methods for data manipulation and representation; investigation of visualization techniques.

Prerequisites: CSCE 145 or CSCE 206 or CSCE 207.

CSCE 569 - Parallel Computing (3 Credits)

Architecture and interconnection of parallel computers; parallel programming models and applications; issues in high-performance computing; programming of parallel computers.

Prerequisites: knowledge of programming in a high-level language; MATH 526 or MATH 544.

CSCE 571 - Critical Interactives (3 Credits)

Foundational techniques in multidisciplinary software development, specifically of applications designed to present sensitive, sometimes controversial, materials in ways to engender empathic awareness of the interactor.

Cross-listed course: FAMS 581

CSCE 572 - Human-Computer Interaction (3 Credits)

Interdisciplinary approach to interaction design, user-centered design, human abilities, survey development, experimental study methodology, heuristic evaluations, usability testing, universal design, and accessibility.

Prerequisites: Undergraduate or graduate standing in CSE or permission of the instructor.

CSCE 574 - Robotics (3 Credits)

Design and application of robotic systems; emphasis on mobile robots and intelligent machines.

Prerequisites: CSCE 211, CSCE 212, CSCE 240.

CSCE 578 - Text Processing (3 Credits)

Text and natural language processing; formal models and data structures appropriate for text processing; selected topics in computational linguistics, stylistics, and content analysis.

Prerequisites: CSCE 330, CSCE 355.

CSCE 580 - Artificial Intelligence (3 Credits)

Heuristic problem solving, theorem proving, and knowledge representation, including the use of appropriate programming languages and tools.

Prerequisites: CSCE 350.

CSCE 582 - Bayesian Networks and Decision Graphs (3 Credits)

Normative approaches to uncertainty in artificial intelligence. Probabilistic and causal modeling with Bayesian networks and influence diagrams. Applications in decision analysis and support. Algorithms for probability update in graphical models.

Prerequisites: CSCE 350; STAT 509 or STAT 515.

Cross-listed course: STAT 582

CSCE 585 - Machine Learning Systems (3 Credits)

Design and implementation of machine learning systems, Deep learning systems stack, machine learning platforms, scalable and distributed machine learning.

Prerequisites: C or better in CSCE 240 or CSCE 206.

CSCE 587 - Big Data Analytics (3 Credits)

Foundational techniques and tools required for data science and big data analytics. Concepts, principles, and techniques applicable to any technology and industry for establishing a baseline that can be enhanced by future study.

Prerequisites: STAT 509, STAT 513, or STAT 515.

Cross-listed course: STAT 587

CSCE 590 - Topics in Information Technology (3 Credits)

Reading and research on selected topics in information technology. Course content varies and will be announced in the schedule of courses by title. May be repeated for credit as topics vary.

CSCE 594 - Strategic Management of Information Systems (3 Credits)

Strategic management and use of information systems in organizations.
Cross-listed course: MGSC 594

CSCE 611 - Advanced Digital Design (3 Credits)

Design techniques for logic systems; emphasis on higher-level CAD tools such as hardware description languages and functional modeling.
Prerequisites: CSCE 212.

CSCE 612 - VLSI System Design (3 Credits)

VLSI design process models, introduction to EDA tools, HDL modeling and simulation, logic synthesis and simulation, benchmark design projects.
Prerequisites: CSCE 211.

CSCE 613 - Fundamentals of VLSI Chip Design (3 Credits)

Design of VLSI circuits, including standard processes, circuit design, layout, and CAD tools. Lecture and guided design projects.
Prerequisites: ELEC 371.

Comparative Literature (CPLT)

CPLT 150 - Values and Ethics in Literature (3 Credits)

Analysis of major works of world literature focusing on values, ethics, and social responsibility.

Carolina Core: AIU, VSR

CPLT 270 - World Literature (3 Credits)

Selected masterpieces of world literature from antiquity to the present.

Cross-listed course: ENGL 270

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 300 - What is Comparative Literature (3 Credits)

Introduction to ways of reading and comparing literatures drawn from diverse languages and cultures.

Prerequisites: any 200-level literature course.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CPLT 301 - Great Books of the Western World I (3 Credits)

European masterpieces from antiquity to the beginning of the Renaissance.

Cross-listed course: ENGL 390

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 302 - Great Books of the Western World II (3 Credits)

European masterpieces from the Renaissance to the present.

Cross-listed course: ENGL 391

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CPLT 303 - Great Books of the Eastern World (3 Credits)

Classical and contemporary poetry and prose of the Middle and Far East.

Cross-listed course: ENGL 392

Graduation with Leadership Distinction: GLD: Global Learning

CPLT 380 - Epic to Romance (3 Credits)

Comprehensive exploration of medieval and other pre-Renaissance literature using texts representative of the evolution of dominant literary forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 380

CPLT 381 - The Renaissance (3 Credits)

Literature of the Renaissance, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 381

CPLT 382 - The Enlightenment (3 Credits)

Literature of the Enlightenment in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 382

CPLT 383 - Romanticism (3 Credits)

Literature of Romanticism, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 383

CPLT 384 - Realism (3 Credits)

Literature of Realism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 384

CPLT 385 - Modernism (3 Credits)

Literature of Modernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 385

CPLT 386 - Postmodernism (3 Credits)

Literature of Postmodernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 386

CPLT 415 - Topics in Comparative Literary Relations (3 Credits)

Topics involving two or more national literatures. Topics to be announced in master schedule by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

CPLT 499 - Senior Thesis (3 Credits)

Graduation with Leadership Distinction: GLD: Research

CPLT 597 - Special Topics in Comparative Studies in Film and Media (3 Credits)

Topics in film and media from an international perspective. National cinematic traditions are compared and contrasted. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Global Learning

Counseling Education (EDCE)

EDCE 210 - Career Planning and Development (3 Credits)

Introduction to the career planning and development process through an understanding of one's own career journey. Overview of how counselors assist individuals in the career decision process.

EDCE 340 - Counseling Through a Multicultural Lens: Understanding Self and Others (3 Credits)

Introduction to counseling aspects and counseling skills that focus on the understanding of self and others from a multicultural perspective.

EDCE 350 - Interpersonal Communication Skills (3 Credits)

Introduction to effective interpersonal communication skills.

EDCE 360 - Introduction to the Counseling Profession (3 Credits)

Overview of and introduction to areas of the counseling profession.

EDCE 502 - Guidance Techniques for Classroom Teachers (3 Credits)

EDCE 503 - Family Counseling (3 Credits)

A comparative study of the major theories in the field of family counseling.

EDCE 507 - Educators in Industry (3 Credits)

The course is designed to provide counselors, teachers, and administrators with increased awareness of a wide variety of work experiences.

EDCE 510 - Introduction to Counseling (3 Credits)

Orientation to the profession of counseling including its historical, social, and cultural foundations. Declaration of the minor in counseling or admission to the Ed.S. in Counselor Education.

EDCE 520 - Wellness and Mental Health (3 Credits)

An overview of the characteristics of optimal holistic wellness and human functioning. Practical application of theoretically and empirically supported wellness models and interventions to enhance social, emotional, mental, physical, and spiritual well-being.

EDCE 555 - Theory and Practice of College Mentoring (3 Credits)

Emphasis on current professional approaches to college mentoring and development of leadership and mentoring skills. Students must participate in Minority Assistance Program. Upper division undergraduate standing or admission to a graduate program and consent of instructors.

EDCE 570 - Seminar in Counseling (3 Credits)

A seminar focusing on current professional issues in counseling.

EDCE 600 - Communication Skills in Counseling (3 Credits)

Human relations principles applied to the counseling interview.

EDCE 650 - Counseling Student Athletes (3 Credits)

Issues facing student athletes regarding their personal and career development beyond athletics.

Cross-listed course: PEDU 660

EDCE 690 - Independent Study (1-3 Credits)

Criminal Justice (CRJU)

CRJU 101 - The American Criminal Justice System (3 Credits)

Survey of crime and societal responses to crime, including law enforcement, courts, corrections, and the juvenile justice system.

Carolina Core: GSS

CRJU 202 - Research Methods in Criminology and Criminal Justice (3 Credits)

Introduction to the practice of social research in criminology and criminal justice settings.

Graduation with Leadership Distinction: GLD: Research

CRJU 210 - Ethics in Criminal Justice (3 Credits)

Examination of ethical issues in the criminal justice system.

Prerequisites: C or better in CRJU 101.

CRJU 303 - Criminal Procedure (3 Credits)

Overview of the constitutional restraints on the investigation, detention, prosecution and adjudication of criminal defendants. Coverage of Supreme Court decisions involving the 4th, 5th, and 6th Amendments to the U.S. Constitution.

CRJU 311 - Policing (3 Credits)

Current and historical perspectives on American policing.

CRJU 312 - Corrections (3 Credits)

Current and historical perspectives on incarceration and its alternatives.

CRJU 313 - Criminal Courts (3 Credits)

Structure and organization of the federal and state criminal court systems and personnel.

CRJU 314 - Criminal Law (3 Credits)

Origin and development of criminal law in America. Basic elements of crimes and defenses.

CRJU 322 - Drugs and Crime (3 Credits)

Overview of criminal justice system responses to illegal substances. Relationship between substance abuse and crime.

CRJU 323 - Violence in America (3 Credits)

Historical overview of violence in American society, including theoretical perspectives on the causes and prevention of violence.

CRJU 341 - Sociology of Crime (3 Credits)

Social factors in the development, identification, and treatment of criminals.

Cross-listed course: SOCY 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 351 - Juvenile Delinquency (3 Credits)

Social factors in the development, identification, and treatment of delinquents.

Prerequisites: CRJU 101 OR SOCY 101.

Cross-listed course: SOCY 350

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

CRJU 420 - Analyzing Homicide (3 Credits)

Relationships between patterns and trends in homicide, and theoretical explanations for why offenders engage in homicide.

CRJU 421 - Victimization (3 Credits)

Causes and consequences of criminal victimization and public policy responses to victimization issues.

CRJU 422 - Alternatives to Incarceration (3 Credits)

Correctional alternatives to imprisonment including probation, parole, and various community correctional programs.

CRJU 423 - Street Gangs: Structure, Activity, and Response (3 Credits)

Course covers the theoretical and empirical work on gangs, gang members, and gang activity along with insight on these issues from a practitioner perspective. It then examines the variety of policy responses from government and community organizations.

CRJU 424 - Criminal Justice Intelligence (3 Credits)

An investigation of the motivations to commit crime. The course presents profiles of the targets of crimes and provides strategic and tactical assessments of police investigations and intelligence.

CRJU 425 - Hate Crimes (3 Credits)

An examination of the causes and responses to hate crimes. The course also provide a foundation for understanding crimes motivated by racial, gender, religious, disability, and sexual orientation biases.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 426 - Criminal Justice and Mental Health (3 Credits)

Interface between the mental health sciences and the criminal justice system.

CRJU 430 - Communities and Crime (3 Credits)

Relationship between criminality and community characteristics, with particular attention to how variation in community structure, organization, and culture impacts crime.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 440 - Homeland Security and Terrorism (3 Credits)

The nature of terrorism; its history; its methodology; and its application to criminological theory.

CRJU 485 - Selected Topics in Criminal Justice Policy (3 Credits)

Public policy responses to crime, its formation, and its impact on society. Individual topics to be announced by title. May be repeated with consent of advisor.

CRJU 491 - Special Topics (3 Credits)

Topics in criminology and criminal justice. Individual topics to be announced by title. May be repeated once with consent of advisor.

CRJU 494 - Internship (3 Credits)

A supervised experiential course in a criminal justice agency. Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

CRJU 510 - Critical Incident Management for Criminal Justice (3 Credits)

Leadership and management strategies for criminal justice agencies during critical incidents and disasters including multi-agency and multi-jurisdictional response.

CRJU 512 - Information-Based Management in Criminal Justice (3 Credits)

The collection and use of information and data-driven analysis in criminal justice organizations.

CRJU 535 - Inmates and Prisons (3 Credits)

Examination of issues affecting prisons and the inmates confined within them. Specific topics of study will include the philosophy and goals of imprisonment, institutional crowding, inmate rights, inmate adaptation, and individual and collective misconduct.

CRJU 551 - Adolescent Mentoring (3 Credits)

Application of skills and theories of adolescent mentoring taught in the classroom to a supervised, structured mentoring field experience.

Cross-listed course: WGST 551

Experiential Learning: Experiential Learning Opportunity

CRJU 554 - Women and Crime (3 Credits)

Impact of gender-based relations on crime and the criminal justice system.

Cross-listed course: WGST 554

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

CRJU 558 - Crime Over the Life Course (3 Credits)

Development of criminal and delinquent behavior over time.

CRJU 563 - Race, Crime, and Criminal Justice (3 Credits)

An historical overview of the intersection between issues of race, crime, and justice. The impact of the criminal justice system on minority groups.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

CRJU 565 - Organized Crime (3 Credits)

Origins and modern day activity of organized crime in the United States and internationally will be investigated. Attention is given to problems of criminal activity and the present day transnational character of criminal organizations.

CRJU 575 - The Death Penalty (3 Credits)

Overview of the history and evolution of the death penalty. Identification of key legal developments in death penalty jurisprudence.

CRJU 577 - Law and Criminal Justice Policy (3 Credits)

Legal and policy responses to crime and criminal justice issues.

Prerequisites: CRJU 313 or CRJU 314.

CRJU 582 - Computer Applications in Criminal Justice (3 Credits)

Computing, database systems, and software applications in research and professional practice.

CRJU 591 - Selected Topics in Criminal Justice (3 Credits)

A seminar for advanced students. Individual topics to be announced by title. May be repeated once with the consent of the advisor.

Curriculum Studies (EDCS)

EDCS 625 - Solving Practical Problems in School Curriculum (3 Credits)

An introduction to current and promising designs and approaches to curriculum development from grades K-12.

EDCS 690 - Independent Study (1-3 Credits)

Dance (DANC)

DANC 101 - Dance Appreciation (3 Credits)

An eclectic survey of various dance forms including primitive, historic, ballet, modern, and Broadway musical.

Carolina Core: AIU

DANC 102A - Ballet Technique I (2 Credits)

A beginning study of ballet with emphasis on alignment, classical historical traditions, and combinations or movement. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 102B - Ballet Technique I (2 Credits)

A beginning study of ballet with emphasis on alignment, classical historical traditions, and combinations or movement. This course is for non dance majors. May be repeated up to six times for credit.

DANC 103 - The Dancer's Body (3 Credits)

Anatomy and movement analysis for dancers.

DANC 111A - World Dance I (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 111B - World Dance I (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for non dance majors. May be repeated up to six times for credit.

DANC 112A - Contemporary Dance Technique I (2 Credits)

An introduction to modern dance with the beginning practice of movement technique. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 112B - Contemporary Dance Technique I (2 Credits)

An introduction to modern dance with the beginning practice of movement technique. This course is for non dance majors. May be repeated up to six times for credit.

DANC 113A - World Dance II (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 113B - World Dance II (2 Credits)

World Dance is dance experience in diverse world dance forms. This course is for non dance majors. May be repeated up to six times for credit.

DANC 150 - Introduction to Dance (3 Credits)

Introduction to dance as art, communication, and cultural expression as it applies to a career in dance. Open to non-majors.

DANC 160A - Dance Improvisation and Composition (3 Credits)

An introductory course on dance composition and the creative process. Exploration and improvisation of different dance forms; specific choreographic tools. This course is for dance majors and minors. May be repeated up to six times for credit.

DANC 160B - Dance Improvisation and Composition (3 Credits)

An introductory course on dance composition and the creative process. Exploration and improvisation of different dance forms; specific choreographic tools. This course is for non dance majors. May be repeated up to six times for credit.

DANC 170 - Ballroom Dance I (2 Credits)

Introduction of six major dances (Foxtrot, Waltz, Tango, Cha Cha, Swing, and Rumba) to students with no dance experience. The emphasis will be on learning dance figures and patterns.

DANC 171 - Ballroom Dance II (2 Credits)

Intermediate steps will include challenging choreography or patterns. The emphasis in technique will be based on developing speed and elegance while dancing complex patterns.

Prerequisites: DANC 170 or equivalent.

DANC 177 - Dance Company I (1 Credit)

This course is designed for rehearsals leading to dance performances; and including student choreography, on stage productions, the dance touring ensemble and components of dance production. Repeat seven times.

DANC 178 - Jazz Dance Technique I (2 Credits)

A beginning level class focusing on coordination, rhythm, alignment, jazz vocabulary, and jazz dance positions. May be repeated up to six times for credit.

DANC 202A - Ballet Technique II (1-2 Credits)

Second level of classical ballet technique facilitating skill in allegro and adagio work. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 102A or equivalent.

DANC 202B - Ballet Technique II (1-2 Credits)

Second level of classical ballet technique facilitating skill in allegro and adagio work. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 102B or equivalent.

DANC 204 - Pointe II (1-2 Credits)

Pointe technique and skills on pointe, an extension of ballet technique at the foundational level. May be repeated four times.

Prerequisites: DANC 202 or equivalent.

DANC 212A - Contemporary Dance Technique II (1-2 Credits)

A second level of contemporary technique, with emphasis on skill refinement and aesthetic elements. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 112A or equivalent, placement audition or permission of instructor.

DANC 212B - Contemporary Dance Technique II (1-2 Credits)

A second level of contemporary technique, with emphasis on skill refinement and aesthetic elements. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 112B or equivalent, placement audition or permission of instructor.

DANC 260 - Laban Movement Analysis (3 Credits)

An examination of Laban Movement analysis – a language for understanding, observing, describing and notating all forms of movement. Experiential, analytical and performance teaching methods will be used.

Prerequisites: DANC 160.

DANC 270 - Dance Education I: Introduction to Dance Education (2 Credits)

An overview of state and national standards, theoretical and philosophical perspectives that shape current practices for teaching dance in K-12 environments, and arts/dance education advocacy. Not open to freshmen. It is recommended that students have completed at least three semesters of technique.

Prerequisites: DANC 150 and DANC 160A.

DANC 275 - Pilates I (2 Credits)

Innovative system of exercises for the mind and body. Teaching posture, body awareness, and easy graceful movement at a beginner's level.

DANC 278 - Jazz Dance Technique II (2 Credits)

An intermediate level class focusing on coordination, rhythm, alignment, jazz vocabulary, jazz dance positions, and expanded knowledge of theatrical jazz dance. May be repeated up to six times for credit.

Prerequisites: DANC 178.

DANC 281 - Dance History I (3 Credits)

Overview of the development of dance through the 19th century.

DANC 282 - Dance History II (3 Credits)

Development of dance from the 20th century to the present.

Prerequisites: DANC 281.

Graduation with Leadership Distinction: GLD: Global Learning

DANC 300 - Music for Dancers (3 Credits)

Rhythmic analysis, reading and metric patterns, construction and use of scores from musical theatre to symphonic orchestration with exercises to enhance the knowledge of relationship between dance and music.

DANC 302A - Ballet Technique III (1-2 Credits)

Third level of classical ballet technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 202A or equivalent.

DANC 302B - Ballet Technique III (1-2 Credits)

Third level of classical ballet technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 202B or equivalent.

DANC 303 - Pointe III (1-2 Credits)

Pointe technique and skills on pointe, an extension of ballet technique at the intermediate level. Study and execution of female variations from classical repertory. May be repeated four times.

Prerequisites: DANC 202 or equivalent.

DANC 304 - Intermediate Tap Dance (3 Credits)

Advanced fundamentals of tap dance, including intermediate/advanced rhythmic structure and incorporation of alignment and style.

Prerequisites: permission of instructor.

DANC 307 - West African Dance I (3 Credits)

The history and practice of indigenous West African dance.

DANC 310 - Dance Analysis and Criticism (3 Credits)

Theoretical practices and cultural perspectives of dance making.

Prerequisites: DANC 281 and DANC 282.

DANC 312A - Contemporary Dance Technique III (1-2 Credits)

A third level technique with refinement skills, and complex combinations. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 212A or equivalent.

DANC 312B - Contemporary Dance Technique III (1-2 Credits)

A third level technique with refinement skills, and complex combinations. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 212B or equivalent.

DANC 360 - Choreography I (3 Credits)

An intermediate level choreography and composition course designed to create and adapt work in different dance forms in modern, jazz, and ballet.

Prerequisites: DANC 260; recommend students to have completed at least three semesters of technique.

DANC 370 - Dance Education II: Creative Dance (3 Credits)

An introduction to motor development, movement concepts, elements, and skills that contribute to lesson planning, instruction, and assessment of creative dance in K-12 education. It is recommended that students have completed at least three semesters of ballet and contemporary technique and world dance.

Prerequisites: DANC 270 and 360.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

DANC 375 - Pilates II (2 Credits)

Innovative system of exercises for the mind and body. Teaching posture, body awareness, and easy graceful movement at an intermediate level.

Prerequisites: DANC 275 or equivalent.

DANC 377 - Historic Dance (3 Credits)

A course open to all students interested in gaining knowledge of early dances from the 15th Basse, Pavanne and Gaillarde of the Renaissance era to the Baroque dances from the court of Louis XIV.

DANC 378 - Jazz Dance Technique III (1-2 Credits)

Advanced-level jazz dance technique. May be repeated up to six times for credit.

DANC 380 - Movement and Dance for Musical Theatre (3 Credits)

Styles of movement and dance in musical theatre from the '20s, '30s, and '40s to modern contemporary musical theatre. Choreographing for musicals, cultural forms of dance, staging for vocal pieces.

DANC 381 - Dance History (3 Credits)

A survey of dance from ethnic and social to professional dance, from the time of the Greeks through the twentieth century.

DANC 382 - Body Conditioning/Gyrokinesis Method (2 Credits)

Body conditioning technique designed to increase strength, flexibility, and coordination, enhancing the dance students' performance ability and body awareness.

DANC 385 - Men's Ballet (1 Credit)

Study of the art of classical ballet for men with increased emphasis on facilitating skill in allegro and adagio work specific to male technique.

Prerequisites: 4 semesters of ballet or equivalent.

DANC 390 - Dance Studio Operation (3 Credits)

Advanced training methods and techniques in all forms of dance. Emphasis on recent research in dance curriculum and operational technique. For experienced dance teachers.

DANC 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

DANC 402A - Ballet Technique IV (1-2 Credits)

Intensive fourth level of classical ballet technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 302A or equivalent.

DANC 402B - Ballet Technique IV (1-2 Credits)

Intensive fourth level of classical ballet technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 302B or equivalent.

DANC 403 - Pointe Variations for Intermediate/Advanced Ballet (1-2 Credits)

Pointe technique, an extension of ballet technique skills on pointe. Study and execution of female variations from classical repertory. May be repeated four times.

DANC 407 - West African Dance II (3 Credits)

Study of the development of West African music and dance, emphasizing cultural, social, and physical influences. Exploration of the relationship between dancer and the drummer at an intermediate level.

Prerequisites: DANC 307.

DANC 412A - Contemporary Dance Technique IV (1-2 Credits)

Intensive advanced level contemporary dance technique. This course is for dance majors and minors. May be repeated up to six times for credit.

Prerequisites: DANC 312A or equivalent.

DANC 412B - Contemporary Dance Technique IV (1-2 Credits)

Intensive advanced level contemporary dance technique. This course is for non dance majors. May be repeated up to six times for credit.

Prerequisites: DANC 312B or equivalent.

DANC 420 - Teaching Methods of Ballet (3 Credits)

The foundations of ballet technique are analyzed systematically. Students will learn to teach ballet technique and organize course work for all levels. Recommend students to have completed at least four semesters of ballet technique.

DANC 421 - Teaching Methods of Contemporary Dance (3 Credits)

The foundations of contemporary dance technique are analyzed systematically. Students will learn to teach contemporary dance technique and organize course work for all levels. Recommend students to have completed at least four semesters of contemporary dance technique.

DANC 440 - Pas de Deux (Partnering) (1-2 Credits)

Study of the art of classical ballet pas de deux for men and women. Special attention will include adagio work from classical ballet repertory and contemporary dance.

Prerequisites: DANC 302 or equivalent.

DANC 450 - Musical Theatre Workshop (2 Credits)

Intensive musical theatre training in areas of song interpretation, musical theatre, dance, voice and acting.

Cross-listed course: MUSC 450, THEA 450

DANC 460 - Choreography II (3 Credits)

An intermediate level choreography course to further examine choreographic construction methods.

Prerequisites: DANC 160 and three semesters of technique courses.

DANC 470 - Dance Education III: Dance Pedagogy for Middle and High School (4 Credits)

Intensive study of content and strategies for teaching dance in middle and high school with particular emphasis on curriculum development, instruction, and assessment. Not open to freshmen or sophomores.

Minimum of 90 hours in program of study.

Prerequisites: DANC 270, DANC 370, five semesters of ballet, five semesters of modern dance.

Graduation with Leadership Distinction: GLD: Community Service

DANC 471 - Synthesis of Dance Education Constructs (pre-internship seminar) (1 Credit)

Seminar allows students to synthesize content and skills from all previous dance and education coursework in conjunction with their student teaching experience.

Corequisite: DANC 479.

DANC 475 - Inner Mastery Through Movement (3 Credits)

A mind/body integration course designed for performing artists.

DANC 476 - Production Design for Dance (3 Credits)

Technical theatre functions, the structure and purpose of production design, and stage production as it relates to the whole of dance and theatrical performance.

DANC 478 - Integrated Approaches in Dance Education (5 Credits)

Study and application of strategies for teaching diverse learners, implementation of instructional technology in the dance classroom, and dance/arts integration.

Graduation with Leadership Distinction: GLD: Community Service

DANC 479 - Teaching Internship in Dance Education (12 Credits)

Practical demonstration of pedagogical knowledge, skill, and dispositions necessary to effectively teach in K-12 dance education as defined and measured by CAEP and ADEPT standards.

Prerequisites: Must have fulfilled all other program requirements except DANC 471 (and DANC 479), be admitted to the professional program, and approved for student teaching.

Corequisite: DANC 471.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

DANC 482 - Body Conditioning/Gyrokinesis Method II (1 Credit)

Body conditioning technique that simultaneously stretches and strengthens the body at an intermediate level. Gyrokinesis teaches complete freedom of movement through exercises synchronized with corresponding breathing patterns enhancing aerobic and cardiovascular stimulation and promoting neuromuscular awareness. Restricted to dance majors/minors only.

Prerequisites: DANC 382.

DANC 490 - Senior Capstone Dance Project (3 Credits)

Culmination of the performance/choreography dance emphasis. Senior project encompassing a choreographic work or research thesis.

Prerequisites: DANC 160 and DANC 360.

Graduation with Leadership Distinction: GLD: Research

DANC 500 - Selected Topics in Dance (1 Credit)

A series of courses, each lasting one-third of a semester. Topics and required courses are announced in the class schedule for each semester.

DANC 573 - Dancer's Workshop (1 Credit)

Individual advanced training in movement, improvisation, flexibility, and precision in dance styles including modern and ballet.

Prerequisites: graduate standing or three credits in dance.

DANC 577 - Dance Performance (3 Credits)

Rehearsal, choreographic analysis, and dance performance. All components of dance production—including music, costume, lighting, and scenery—will be considered.

Cross-listed course: PEDU 577

DANC 586 - The Articulate Body (3 Credits)

Theoretical and experimental exploration of the major body systems and development movements to bring more articulation to the body and more awareness and physical ease in performance.

Cross-listed course: THEA 586

DANC 599 - Special Topics in Dance (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

Early Childhood Educ (EDEC)

EDEC 201 - Inquiry into Early Childhood Education (3 Credits)

Inquiry into the roles, programs, history, and culture trends in early childhood education.

EDEC 250 - Play and Early Learning (3 Credits)

Theory and practice related to children's play and early learning in family, community, and educational settings.

EDEC 335 - African and African Diaspora Literacies in the Early Childhood Classroom (3 Credits)

Pedagogical methods for introducing young children in prekindergarten-to-third grade classrooms to perspectives on African and African Diaspora literacies (Peoples, histories, and contributions to the world's knowledge).

EDEC 336 - Culturally Relevant Pedagogy in Early Childhood Classrooms (3 Credits)

A study of the theoretical and practical foundations of effective teaching in diverse classroom environments. Ethnicity, gender, social class, religion and other issues are considered from multiple perspectives.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

EDEC 340 - The Young Child: Development, Care and Education (Birth to 3 years) (3 Credits)

Infants' and toddlers' development and care from an ecological perspective. Assessment of children in various settings is emphasized.
Corequisite: EDEC 340P.

EDEC 340P - The Young Child: Development, Care and Education (Birth to 3 years) Practicum (1 Credit)

Practicum in infants' and toddlers' development and care observed and assessed from an ecological perspective. Includes service learning.
Corequisite: EDEC 340.

EDEC 342 - The Young Child: Development, Care and Education (3-8 years) (3 Credits)

Development of young children and its relationship to appropriate practice and curriculum with an emphasis on mathematics, science, and social studies.

Prerequisites: EDEC 340 and EDEC 340P.

Corequisite: EDEC 342P, EDEC 344, EDEC 347 and EDRD 345.

Graduation with Leadership Distinction: GLD: Research

EDEC 342P - The Young Child: Development, Care and Education (3-8 years) Practicum (3 Credits)

Practicum in development, assessment, and education of young children with an emphasis on mathematics, science, and social studies.

Prerequisites: EDEC 340 and 340P.

Corequisite: EDEC 342, EDEC 344, EDEC 347 and EDRD 345.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEC 344 - Supporting Linguistic Pluralism Across Content Areas (3 Credits)

Introduction to issues, ideas, practices and policies in support of learning and teaching in multilingual classrooms, pre-K to grade 12 for undergraduate early childhood education majors. Early Childhood Majors Only.

Corequisite: EDEC 342, EDEC 342P, EDEC 347 and EDRD 345.

EDEC 345 - Teaching Reading in Early Childhood Education I (3 Credits)

Theory and practice in the teaching of reading for children from birth through age eight for undergraduate majors in early childhood.

Prerequisites: Admission to the professional program in Early Childhood Education.

Corequisite: EDEC 342, EDEC 342P, EDEC 344 and EDEC 347.

EDEC 347 - Community of Learners and Classroom Management in Early Childhood (3 Credits)

Methods of building a community of learners including child guidance and group management that foster the development of self-control and learning.

Corequisite: EDEC 342, EDEC 342P, EDEC 344 and EDRD 345.

EDEC 441 - Teaching Mathematics in Early Childhood (3 Credits)

Methods and materials in teaching and assessment in early childhood mathematics (prekindergarten-grade 3). Admission to Internship I.

Corequisite: EDEC 443.

EDEC 442 - Teaching Science in Early Childhood Education (3 Credits)

The study and practice of science education for pre-school and primary students focusing on appropriate content, goals and methods. Admission to internship in early childhood education.

Corequisite: EDEC 443.

EDEC 443 - Internship in Integrated Curriculum in Early Childhood Education (4 Credits)

Internship in developmentally and culturally appropriate content and pedagogy in language and literacy, mathematics, science, social studies, and fine arts for young children through grade 3. Admission to internship in early childhood education.

Corequisite: EDEC 441, EDEC 442 and EDRD 445.

EDEC 444 - Teaching Social Studies to Early Childhood Education (3 Credits)

The study and practice of Social Studies education for undergraduate majors in early childhood education. Early Childhood Majors Only.

EDEC 445 - Teaching Writing in Early Childhood Education (3 Credits)

Theory and practice in the teaching of writing for children from birth through age eight. For undergraduate majors in early childhood education including literacy practicum.

Prerequisites: C or better in EDEC 345.

Corequisite: EDEC 443.

EDEC 492 - Internship in Curriculum, Assessment, Teaching, and Professional Roles (9 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood) related to professional roles. Admission to the Professional Program in Early Childhood Education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDEC 510 - Parent/Family Dynamics in Early Childhood Education (3 Credits)

Principles, practices, and content of family dynamics, including practicum/service learning.

Graduation with Leadership Distinction: GLD: Community Service

EDEC 540 - The Young Child: Behavior and Development in Early Childhood (3 Credits)

Service-learning and seminar experiences addressing intellectual, physical, social, and emotional development, prenatal through grade three, within an ecological context. Child's critical thinking, creative expression, and diagnosis/assessment emphasized.

EDEC 546 - Education of Young Children: An Ecological Approach (3 Credits)

An ecological study with emphasis on home-school relations, parent involvement, and community resources. Multicultural perspectives and needs of exceptional children addressed.

Corequisite: EDEC 469.

EDEC 547 - Field Problems: Teaching Mathematics Using Manipulative Materials, Grades K-3 (3 Credits)

Instructional approaches and materials for teaching elementary school mathematics, grades K-3.

EDEC 570 - Internship in Environments for Teaching and Learning (3 Credits)

Internship for practice in classrooms appropriate to early childhood education related to curriculum design and assessment. Admission to the professional program in early childhood education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEC 591 - Seminar on Teaching in Early Childhood (3 Credits)

Exploration of the principles and theories about teaching and learning as they apply to early childhood education in the context of schools in democratic societies.

Prerequisites: admission to internship in early childhood education.

Corequisite: EDTE 590A, EDTE 590B, and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EDEC 608 - Parent Involvement in Early Childhood Education (3 Credits)

Analysis of programs and practices for involving parents in early childhood educational settings. Emphasizes objectives, methods, techniques, and materials for program development. Community resources for supporting programs for children in various instructional settings.

EDEC 690 - Independent Study (1-3 Credits)

Economics (ECON)

ECON 123 - The American Economy (3 Credits)

Basic concepts, institutional foundations, structure of the private and public sector, labor markets; major economic problems.

ECON 221 - Principles of Microeconomics (3 Credits)

The study of supply and demand, pricing and cost concepts, firm and consumer decision-making, market structure, and government policies.

ECON 222 - Principles of Macroeconomics (3 Credits)

The study of gross domestic product, business cycles, economic growth, inflation, unemployment, and monetary and fiscal policy.

ECON 223 - Introduction to Economics (3 Credits)

Introduction to economics principles for non-majors. Basics of supply and demand and government and monetary policy are covered in a non-technical manner. Not open to business or economics students. Credit not granted for both ECON 223 and ECON 221 or ECON 222.

ECON 224 - Introduction to Economics (3 Credits)

The study of supply and demand, markets, household and firm decision-making, gross domestic product, inflation, unemployment, and government policies. Open to all students except business administration and economics majors.

ECON 301 - Money and Banking (3 Credits)

The role of money in the market economy. Commercial banks, the Federal Reserve System, and monetary policy. Cannot be used to satisfy major requirements.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 303 - The International Economy (3 Credits)

Survey of international economic issues and institutions, including trade and protectionism, global and regional trade agreements, trade balances and exchange rates, Japan, NAFTA, and the European Union.

Prerequisites: ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 311 - Issues in Economics (3 Credits)

The nature and causes of major economic problems facing the nation and its communities, and policy alternatives designed to solve them. The philosophy and methodology of economics in social problem solving.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 321 - Intermediate Microeconomic Theory (3 Credits)

Analysis of the economic behavior of households and firms. Production, consumption, price determination, and the degree of competition in markets.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 322 - Intermediate Macroeconomic Theory (3 Credits)

Analysis of the national economy as a whole. Money, output, employment, inflation, and international economic linkages.

Prerequisites: ECON 221 and ECON 222, or ECON 224, MATH 122 or MATH 141.

ECON 329 - American Economic History (3 Credits)

Growth and development of the American economy; applications of economic theory to economic history.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 363 - Business Finance (3 Credits)

The procurement and management of wealth by privately owned profit-seeking enterprises.

Prerequisites: ECON 221, ACCT 225, and 3 hours of statistics at the 200-level.

ECON 364 - Financial Institutions (3 Credits)

A study of the functions and operations of financial institutions and their relationships to the commercial banking system and the general economy. Attention is devoted to savings institutions, insurance companies, rural and urban real estate credit, consumer credit, and associated topics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 379 - Government Policy Toward Business (3 Credits)

An analysis of public policy toward business in the United States. Emphasis is on the desirability of various policies in light of their consequences for the general welfare.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 399 - Independent Study (1-15 Credits)

Contract approved by instructor, advisor, and undergraduate division head is required.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Research

ECON 402 - Money, Income, and Prices (3 Credits)

A study of monetary standards, monetary theory, monetary policy, and the mechanism of international payments. Attention is devoted to questions of monetary problems, employment, and fiscal policy.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 406 - Labor Economics (3 Credits)

A study of labor market institutions, trends in labor market activity, and the effects of government policy on the labor market. (Not open to majors in economics.)

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 408 - History of Economic Thought (3 Credits)

A survey of economics from the ancient philosophers to the present; with emphasis on the mercantilist, physiocratic, classical, Marxian, Austrian, neo-classical, and institutional schools of economics.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 415 - Economics of American Industry (3 Credits)

A study of the structure of selected American industries, of the development and concentration of economic power in the American economy, and of public policy toward industry.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 420 - Business Applications of Economic Forecasting (3 Credits)

Analysis of business cycles and applications of forecasting techniques to project and interpret economic trends.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 421 - Engineering Economics (3 Credits)

Decision making with respect to capital goods, with emphasis on such decision making in governmental activities and public utilities. Intended primarily for engineering students, the course emphasizes the types of investment decisions that engineers are often called upon to make.

ECON 436 - Introductory Econometrics (3 Credits)

The use of statistical techniques to analyze economic relationships. The emphasis is on the application of linear regression to real-world economic data.

Prerequisites: ECON 224, or ECON 221 and ECON 222; MGSC 291 or STAT 201; and MATH 122 or MATH 141.

Carolina Core: ARP

ECON 476 - Foundations of Capitalism (3 Credits)

Examines the foundations of capitalism and why it has prevailed over alternative systems. Topics include the justification of private property, distribution of wealth, profit motive, source of wealth creation, and others.

Prerequisites: ECON 211 and ECON 222.

ECON 499 - Internship in Economics (1-6 Credits)

Supervised work experience of at least nine hours per week, to include one class meeting a month and individual consultation. Contract approval by instructor, advisor, and department chair is required. Cannot be used to satisfy major requirement.

Prerequisites: C or better in both ECON 321 and ECON 322, and cumulative GPA of 2.75.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ECON 500 - Urban Economics (3 Credits)

An analysis of economic forces affecting urbanization and the economic processes influencing urban form and structure. Spatial concepts are considered in addition to traditional micro-economic and macro-economic concepts. Topic coverage includes: the economic origin of cities; urban functions and the urban economic base, land-use structure and urban form, and urban efficiency.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 503 - International Trade Economics (3 Credits)

Theory of international specialization, commercial policy, customs unions, and the effects of trade liberalization and protectionism; economic growth and multinational enterprises.

Prerequisites: ECON 321.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 504 - International Monetary Economics (3 Credits)

Exchange rate and balance of payments determination; purchasing-power parity; optimum currency areas, absorption, elasticity, monetary approaches, spot- and forward-exchange markets.

Prerequisites: ECON 322.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 505 - International Development Economics (3 Credits)

Economic theories of growth in developing countries. Use of factor resources; role of social and economic institutions; use of financial trade policies for growth.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 506 - Labor Economics and Labor Markets (3 Credits)

Economics of labor demand, labor supply, wage determination in competitive markets, migration, discrimination, unemployment, and labor unions. Theoretical models and empirical knowledge will be considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 321.

ECON 507 - Comparative Economic Systems (3 Credits)

An analysis of the organization and operation of the world's major economic systems.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Graduation with Leadership Distinction: GLD: Global Learning

ECON 508 - Law and Economics (3 Credits)

Economic analysis and interpretation of the law. The economic effect of current law and optimal design of law to meet social objectives.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 509 - Economics of Sustainable Development (3 Credits)

Exploration of the basic theory and practice of sustainable economic development. Topics include: environmental legislation, global agreements, sustainable development indicators, and economic strategies and methods to promote environmentally sound development.

Prerequisites: C or better in the following ECON 221 and ECON 222; or ECON 224; MATH 122.

Graduation with Leadership Distinction: GLD: Community Service

ECON 510 - Experimental Economics (3 Credits)

Exploration of the basic theory and techniques of experimental economics. Topics include: basic game theory, experimental design, and elements of behavioral economic thought.

Prerequisites: C or higher in ECON 321.

ECON 511 - Senior Seminar in Economics (3 Credits)

Philosophy and methodology of economics, perspectives on theory and empiricism, economic policy; individualized guided research.

Prerequisites: ECON 321, ECON 322, and ECON 436 with grade of C or higher.

ECON 514 - The Economics of Terrorism (3 Credits)

Focuses on the following aspects of terrorism: (1) its causes/determinants (historical, social, cultural, economic, political, and religious determinants); (2) the organizational and funding structure of terrorist groups; (3) the tactics and weapons of terrorist groups; (4) mobilization and recruitment within terror networks; and (5) counterterrorism methods. Restricted to: Business Majors and Economics Arts and Sciences Majors.

Prerequisites: C or better in ECON 321.

ECON 515 - Industrial Organization (3 Credits)

This course uses the tools of microeconomics and game theory to examine how firms compete and competition's impact on industry performance. Topics include: price discrimination, product differentiation, and oligopoly behavior.

Prerequisites: ECON 321.

ECON 516 - Political Economy (3 Credits)

This course covers fundamental models of collective decision making, studies their empirical relevance, and considers interactions between the economy and politics.

Prerequisites: C or better in ECON 221 and ECON 222 or C or better in ECON 224.

ECON 523 - Introduction to Mathematical Economics (3 Credits)

Mathematical formulation of economic theories; the use of mathematics in the development and demonstration of economic relationships.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MATH 122, MATH 141, or the equivalent.

ECON 524 - Essentials of Economics (3 Credits)

A course designed to acquaint the student with the principles of operation of the American economic system. A survey course for social studies teachers in secondary schools.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 526 - Managerial Economics (3 Credits)

A study of the application of the economic theory of profits, competition, demand, and costs to analysis of problems arising in the firm and in decision making. Price policies, forecasting, and investment decisions are among the topics considered.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 530 - The Economics of Education (3 Credits)

Investment in human capital; the economic value of schooling; internal efficiency of schools; faculty compensation; equity and efficiency of school finance systems; financing higher education.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 531 - Health Economics (3 Credits)

Applications of economic analysis to health care. Structure and behavior of health-care markets. Description of health care policy issues.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 548 - Environmental Economics (3 Credits)

An analysis of the economic aspects of environmental decay, pollution control, and natural resource use. Analysis of the ability of the market system to allocate resources efficiently when economic activity is accompanied by environmental damage. Discussion of alternative public policy approaches to pollution control and natural resource conservation.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Cross-listed course: ENVR 548

ECON 555 - Game Theory in Economics (3 Credits)

Game theory as used to understand decision making in business, economics, politics and other real-world environments. Topics covered include: basic terminology; strategic, extensive, and combinatorial models; and equilibrium strategy.

Prerequisites: ECON 321 or MATH 141 and STAT 201 or C or higher in STAT 206.

ECON 562 - Public Finance (3 Credits)

Theory and practice of taxation: public revenue, expenditure, and debt.

Prerequisites: C or higher in ECON 321.

ECON 589 - Topics in Economics (1-3 Credits)

Individual topics to be announced with title.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 594 - Introduction to Econometrics (3 Credits)

Statistical and economic tools applied to analysis of business and economic problems with the aid of computers.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 291 or STAT 201, MATH 122 or MATH 141.

ECON 621 - Survey of Contemporary Economic Theory (3 Credits)

Neo-classical value and distribution theory combined with income and employment theory.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 690 - Quantitative Foundations for Business and Economics I (3 Credits)

Calculus and classical optimization methods applied to problems in business and economic analysis; matrices, derivatives, and integrals in the analysis of both univariate and multivariate business and economic models.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 691 - Quantitative Foundations for Business and Economics II (3 Credits)

Statistics and probability theory applied to problems of business and economic analysis.

Prerequisites: ECON 221 and ECON 222, or ECON 224; MGSC 690 or ECON 690.

ECON 692 - Quantitative Methods I (3 Credits)

Probability and statistics necessary for graduate study in economics and business administration; estimation, hypothesis testing, regression, analysis of variance, and nonparametric methods.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

ECON 694 - Quantitative Methods II (3 Credits)

A study of decision models useful in business administration. Topics covered include linear programming, sensitivity analysis and duality, network models, integer programming, determinate and stochastic dynamic programming, inventory, and queues.

Prerequisites: ECON 221 and ECON 222, or ECON 224; ECON 692, mathematics and computer portion of Fundamental Business Skills or equivalent.

Educ Foundations & Inq (EDFI)

EDFI 300 - Schools in Communities (3 Credits)

Social, political, and historical aspects of diverse educational institutions in American culture with an emphasis on families, schools, and communities. Sophomore standing.

Graduation with Leadership Distinction: GLD: Community Service

EDFI 321 - Dynamics of American Public Education (3 Credits)

Extensive treatment of the social, political, economic, and philosophical influences that have shaped public education. Analysis of the financial, organizational, and legal aspects of education. Library assignments provide a working knowledge of professional standard references and journals. Junior or higher standing.

EDFI 350 - Antiracist Education (3 Credits)

Basic concepts, issues, and practices of antiracist education. Topics include individual and institutional racism, overt and covert racism, curriculum, textbooks, power relationships, teacher-student relationships, and privacy.

Cross-listed course: AFAM 350

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

EDFI 357 - Sociology of Education (3 Credits)

Analysis of educational institutions, organizations, processes, and their effects in contemporary society.

Prerequisites: SOCY 101.

Cross-listed course: SOCY 357

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

EDFI 361 - Comparative and International Education (3 Credits)

Understanding of schooling in a global society. An introduction to comparative and international education and its major theories practices and research methodologies with an examination of educational issues, levels and system in a variety of cultural contexts and countries.

Graduation with Leadership Distinction: GLD: Global Learning

EDFI 399 - Independent Study (3 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDFI 592 - Historical Foundations of American Educational Thought (3 Credits)

A survey of the history, philosophy, administration, and legal bases of American education.

EDFI 643 - Southern Educational History (3 Credits)

Development of educational institutions in Southern society with special attention given to South Carolina.

EDFI 690 - Independent Study (1-3 Credits)

Education (EDUC)

EDUC 110 - USC Teaching Fellows Leadership Seminar (0 Credits)

A resource for members of the Teaching Fellows Program to successfully complete yearly program requirements. Topics include: qualities of an effective teacher, how to give constructive classroom feedback, students' needs decision making, leadership styles, valuing diversity, and factors that influence/contribute to effective teacher leadership. Restricted to students enrolled in the USC Teaching Fellows Program. Instructor permission only.

EDUC 360 - Global and Multicultural Perspectives on Education in International Settings (3 Credits)

Study abroad course in which students apply social science knowledge and analytical methods to understand the ways in which culture, society, politics, and global forces affect education and schooling in diverse international settings. May be repeated as content varies by destination.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

EDUC 610 - Case Study in Classroom Management (3 Credits)

Case study in the clinical application of pedagogy and methods related to classroom management, including relational, procedural and instructional aspects of a classroom management approach.

EDUC 632 - Field Problems in Education I (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches.

Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 633 - Field Problems in Education II (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 634 - Field Problems in Education III (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

EDUC 635 - Field Problems in Education IV (1-3 Credits)

Selected educational problems will be identified and explored, and probable solutions developed. Emphasis will be on providing practicing school personnel an opportunity to work cooperatively, under supervision, toward solutions to those problems which are of immediate concern to them. Activities will include seminars, review of literature, observations, case studies, materials development, and other applicable approaches. Emphasis will be placed on the development of a comprehensive proposal designed to alleviate or solve the problems identified.

Educational Admin (EDAD)

EDAD 690 - Independent Study (1-3 Credits)

Educational Psychology (EDPY)

EDPY 333 - Introduction to Child Growth and Development (3 Credits)

Basic course designed to familiarize the prospective teacher with the patterns of social, emotional, physical, and intellectual growth of the individual. Development of these growth patterns from the prenatal stage to the onset of adolescence.

EDPY 334 - Introduction to Adolescent Growth and Development (3 Credits)

Basic course designed to familiarize the prospective junior and senior high school teacher with the pattern of social, emotional, physical, and intellectual growth of the individual during his adolescent years. Recommendation of the advisor(s) required.

EDPY 335 - Introduction to Educational Psychology (3 Credits)

Applications of the psychology of learning and development. Special attention to basic statistics and the behavior of the school child.

EDPY 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDPY 401 - Learners and the Diversity of Learning (3 Credits)

Overview of psychological theories and research as it applies to education, including theories of learning, child and adolescent development, cognitive processes, classroom practices, individual differences/student diversity, and motivation.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

EDPY 401P - Practicum: Learners and the Diversity of Learning (1 Credit)

Field experience integrated with course on lifespan development and learning with an emphasis on individual and group diversity.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDPY 644 - Free-Choice Learning and Informal Learning Environments (3 Credits)

Examines free-choice (or informal) learning and the characteristics of settings and activities outside of formal schooling that effectively promote learning and development.

EDPY 690 - Independent Study (3-15 Credits)

Educational Technology (EDET)

EDET 215 - Introduction to Design Thinking and Computer Science Education (1 Credit)

A survey of design thinking and computer science education topics and skills. Students will (a) use design thinking to solve problems and develop products and (b) explore a variety of technologies and their applications in the workplace, with hobbies, and within PK-12 schools.

EDET 603 - Design and Development Tools I (3 Credits)

Study of multimedia elements (e.g., graphics, animation, audio, and video) including the creation and editing of materials. Instructional applications, copyright issues, and technology limitations will be explored.

EDET 650 - Internship in Educational Technology (3 Credits)

Supervised field-based experiences in the design, development, evaluation, and implementation of technology-based instructional and training projects.

Prerequisites: EDET 603, EDET 703, and EDET 722.

EDET 652 - Design and Evaluation of Games and Simulations (3 Credits)

Application of instructional design criteria to computer and noncomputer interactions. Analyses include requisite cognitive processes, affective outcomes, and ethical standards. Design and formative testing of interactive exercises.

Electrical Engineering (ELCT)

ELCT 101 - Electrical and Electronics Engineering (1 Credit)

Introductions to: the profession of electrical engineering; the wide range of sub-disciplines that make electrical engineering so valuable in improving the human condition; the role of electrical engineers in society; and the role of electrical engineering students in the university.

ELCT 102 - Electrical Science (3 Credits)

Fundamentals of electrical and electronic components. Basic network laws. Mathematical and computer tools for network analysis.

Prerequisite or Corequisite: MATH 141

ELCT 201 - Introductory Electrical Engineering Laboratory (3 Credits)

Laboratory procedures, instrumentation and measurements, report writing, computer use in system design, testing, and troubleshooting. Integrative project-based learning environment including passive, active, electronic and electromechanical systems.

Prerequisites: C or better in ENGL 102 and C or better in CSCE 211.

Prerequisite or Corequisite: ELCT 222.

ELCT 220 - Electrical Engineering for Non-Majors (3 Credits)

Fundamentals of electrical engineering for mechanical, chemical, or other engineering disciplines, including electric circuits, measurements, data acquisition, sensors, motors, and controllers.

Prerequisites: MATH 142.

ELCT 221 - Circuits (3 Credits)

Analysis of linear ac circuits using complex variables. Nodal and mesh analysis, Thevenin and Norton transformations, linearity, superposition, use of math solvers, circuit simulators, and computer-interfaced instrumentation.

Prerequisites: C or better in MATH 142; C or better in either ELCT 102 or AESP 265 or D or better in ELCT 220.

ELCT 222 - Signals and Systems (3 Credits)

Analysis of continuous-time signals and systems in time and frequency domains, Fourier series and transforms, Laplace transforms; introduction to discrete-time signals.

Prerequisites: C or better in ELCT 221 and in MATH 242.

ELCT 301 - Electronics Laboratory (3 Credits)

Design and implementation of analog and digital electronic circuits, with emphasis on developing deep individual understanding of curriculum-spanning concepts.

Prerequisites: D or better in ELCT 201.

Prerequisite or Corequisite: D or better in ELCT 371.

ELCT 302 - Real Time Systems Laboratory (3 Credits)

Team-oriented application of sensing, measurement, and real time embedded digital control for autonomous vehicular systems. Requirements analysis, system modeling, software/hardware integration, report writing, development of teaming skills.

Prerequisites: D or better in ELCT 301.

Prerequisite or Corequisite: D or better in ELCT 331.

ELCT 321 - Digital Signal Processing (3 Credits)

An introduction to analysis, design and applications of discrete time systems; z- and discrete Fourier transforms; frequency and impulse responses, FIR and IIR filters.

Prerequisites: C or better in ELCT 222.

ELCT 331 - Control Systems (3 Credits)

Fundamentals of control systems. Analysis and design of control systems using physical system models. State variables, steady-state error, time- and frequency-responses, control system stability. Root locus analysis and controller design – PI, PD, PID, lead-lag compensator. Nyquist stability criterion.

Prerequisites: C or better in ELCT 222.

ELCT 350 - Computer Modeling of Electrical Systems (3 Credits)

Formulation of physics-based dynamic models of electrical or electromechanical systems. Solving dynamic equations of electrical systems in discrete time. Use of object oriented programming language (e.g., C++) and computer tools (e.g., MATLAB, virtual test bed) for solving dynamic equations of electrical systems.

Prerequisites: C or better in ELCT 222, C or better in CSCE 145.

ELCT 361 - Electromagnetics (3 Credits)

Basic concepts of electric and magnetic fields, including electrostatics, magnetostatics, and quasi-statics with computer applications.

Prerequisites: PHYS 212 and MATH 241.

ELCT 363 - Introduction to Microelectronics (3 Credits)

Properties and characteristics of semiconductor materials, p-n and semiconductor-metal junctions. Basic properties, characteristics and operation of diodes and transistors.

Prerequisites: C or better in CHEM 111, PHYS 212.

Prerequisite or Corequisite: C or better in MATH 241.

ELCT 371 - Electronics (3 Credits)

Introduction to design and analysis of electronic circuits and systems. Applications of amplifiers, op-amps, diodes, bipolar and field-effect transistors in analog and digital circuits.

Prerequisites: C or better in ELCT 222.

ELCT 403 - Capstone Design Project I (3 Credits)

Planning, preliminary design, and prototyping. Analysis and specification of system and subsystem requirements, measures of performance, analysis of alternatives, effective team work. Project management and scheduling. Prototype implementation and characterization. This course should be taken during student's penultimate semester.

Prerequisites: D or better in ELCT 302.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ELCT 404 - Capstone Design Project II (3 Credits)

Continuation of Capstone Design Project I. Final design and implementation including design iteration, design for reliability, system integration and characterization, business case development.

Prerequisites: D or better in ELCT 403.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

Experiential Learning: Experiential Learning Opportunity

ELCT 430 - Industrial Controls (3 Credits)

The embedded electronics and software used in data acquisition, and process and instrument control in an industrial or manufacturing environment.

Prerequisites: ELCT 331.

ELCT 432 - Fundamentals of Communication Systems (3 Credits)

Introduction to communication systems, sampling theorem, modulation theory, multiplexing, phase-lock loops, and related topics.

Prerequisite or Corequisite: ELCT 321 and STAT 509.

ELCT 451 - Power Systems Design and Analysis (3 Credits)

Electric power systems including transformer fundamentals, per-unit analysis, transmission and distribution line design, and power flow analysis.

Prerequisites: C or better in ELCT 220 or ELCT 221.

ELCT 499 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of 3 credits total may be applied toward a degree. Advanced approval of project proposal by instructor and department advisor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

ELCT 510 - Photovoltaic Materials and Devices (3 Credits)

Fundamentals of photovoltaic solar cell technologies. Design and operation of solar cells, including efficiency analysis and cost benefit. Applications to green and sustainable energy systems.

Prerequisites: C or better in ELCT 363.

ELCT 521 - Introduction to Microwaves (3 Credits)

Introduction to plane electromagnetic wave propagation, transmission lines, transmission line equations, input impedance, waveguides and cavities, antennas and antenna arrays, microwave modeling.

Prerequisites: ELCT 361 or PHYS 504.

ELCT 531 - Digital Control Systems (3 Credits)

Analysis and design of discrete-time control systems, implementation of control systems using digital electronic systems. Applications to electrical systems.

Prerequisites: ELCT 331.

ELCT 533 - System Health Management (3 Credits)

Sensing, data acquisition, and data processing for evaluation of performance and system health. Integration and implementation of health management systems.

Prerequisites: ELCT 321 or equivalent.

ELCT 541 - Sensors for Biomedicine (3 Credits)

Operating principles and design of bioelectric sensors and sensor systems for medical applications.

Prerequisites: C or better in ELCT 361, ELCT 363 and ELCT 371.

ELCT 553 - Electromechanical Energy Conversion (3 Credits)

Analysis and design of electromechanical energy conversion systems, including electrical machines and electronic drives.

Prerequisites: D or better in ELCT 331, ELCT 361 and ELCT 451.

ELCT 554 - Integration of Photovoltaics in Modern Power Systems (3 Credits)

Analysis and design of power systems in presence of photovoltaic generation with focus on protection systems, control, power quality.

Prerequisites: ELCT 551.

ELCT 559 - Special Topics in Distributed Energy Resources for Electric Energy Systems (3 Credits)

Special topics in distributed energy resources for modern electrical energy systems. Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

Prerequisite or Corequisite: ELCT 551.

ELCT 562 - Wireless Communications (3 Credits)

Fourier techniques and stochastic processes review, multiple access & cellular techniques, signal space representations for signals and noise, baseband modulations and optimal receivers in additive white Gaussian noise, bandpass and higher-order modulations, mobile & wireless propagation channel characteristics, effects of bandlimiting & distortion mitigation, diversity techniques.

Prerequisites: ELCT 332, ELCT 361.

ELCT 563 - Semiconductor Devices for Power, Communications and Lighting (3 Credits)

Operational principles and characteristics of electronic and optoelectronic semiconductor devices including MOSFETs and high electron mobility transistors (HEMTs) for power electronics, electric cars and high-speed communications, light emitting diodes and lasers for solid state lighting, displays and optical communication, solar cells for green power generation.

Prerequisites: D or better in ELCT 363.

ELCT 564 - RF Circuit Design for Wireless Communications (3 Credits)

RF design fundamentals, lumped elements, transmission line theory, transmission lines and waveguides, S-parameters, impedance matching, microwave resonators.

Prerequisites: ELCT 361.

ELCT 572 - Power Electronics (3 Credits)

Basic analysis and design of solid-state power electronic devices and circuitry.

Prerequisites: D or better in ELCT 371.

Prerequisite or Corequisite: D or better in ELCT 331.

ELCT 574 - Semiconductor Materials and Device Characterization (3 Credits)

Semiconductor material and device characterization; resistivity, carrier and doping density, contact resistance, Schottky barriers, series resistance, defects, trapped charges, and carrier lifetime.

Prerequisites: ELCT 363 or equivalent.

ELCT 582 - Semiconductor Laboratory (3 Credits)

Prerequisite: ELCT 363.

Elementary Education (EDEL)

EDEL 305 - Nature and Management of Elementary Classrooms (3 Credits)

The learning environment to include diversity of students, instructional materials, classroom management, and communication patterns.

Prerequisites: EDPY 401, EDTE 201.

EDEL 306 - Culturally Sustaining Pedagogy for the Elementary Classrooms (3 Credits)

Theoretical and pedagogical approaches to Culturally Sustaining Pedagogy (CSP)—curriculum design tools and instructional strategies that reflect the diversity of students' cultural backgrounds and languages in elementary classrooms.

EDEL 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDEL 405P - Practicum in Elementary Education (1 Credit)

Sequence of supervised field experiences in an assigned school setting.

Prerequisites: EDEL 301.

EDEL 440 - Elementary Mathematics Instruction (3 Credits)

Approaches, materials, and methods for teaching mathematics in elementary grades. Restricted to students in the BA program in elementary education.

Prerequisites: Admission to the professional program and MATH 221.

EDEL 441 - Introductory Elementary Internship (3 Credits)

Field experience requiring students to gradually assume the responsibilities of teaching in an assigned classroom under the guidance of an experienced teacher.

Corequisite: EDRD 430.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 450 - Elementary Science Instruction (3 Credits)

Instructional approaches and methods for teaching science in elementary grades.

Prerequisites: Admission to the professional program.

EDEL 460 - Elementary Social Studies Instruction (3 Credits)

Instructional approaches, materials, and methods for teaching social studies in elementary grades. Restricted to students in the B.A. program in Elementary Education.

EDEL 470 - Directed Teaching in the Elementary and or Middle Schools (3 Credits)

Teaching and related experiences, including seminars and workshops. Admission to professional teacher certification program and completion of the elementary education core.

Prerequisites: EDRD 420.

EDEL 471 - Internship in Environments, Planning, and Motivation for Teaching and Learning (6 Credits)

Internship for practice in classrooms appropriate to elementary education related to curriculum design and assessment. Field experiences emphasize planning lessons that actively engage students in learning.

Prerequisites: Admission to the internship in elementary education.

EDEL 490 - Internship in Elementary Education (12 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to curriculum design, assessment, interactive teaching, and professional roles.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 491.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

EDEL 490A - Internship in Curriculum and Assessment (4 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to curriculum design and assessment.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490B and EDEL 490C.

EDEL 490B - Internship in Teaching (4 Credits)

Internship for practice in elementary classrooms (grades 2-6) related to interactive teaching.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490A and EDEL 490C.

EDEL 490C - Internship in Professional Roles (4 Credits)

Internship for practice in elementary classrooms (grade 2-6) related to professional roles.

Prerequisites: Admission to Internship II in Elementary Education.

Corequisite: EDEL 490A and EDEL 490B.

EDEL 491 - Seminar on Teaching (3 Credits)

Exploration of the principles and theories about teaching and learning as they apply to the field of practice in the context of schools in democratic societies.

Prerequisites: Admission to Internship in Elementary Education.

Corequisite: EDEL 490A, EDEL 490B, and EDEL 490C.

EDEL 505P - Inquiry Practicum: The Elementary School (1 Credit)

Identifying and understanding the various components of the elementary environment through the practice of inquiry through field-based experiences.

Corequisite: EDEL 305.

EDEL 506 - Integrated Curriculum in Elementary Schools (3 Credits)

Examining and practicing a variety of approaches that connect the content of different elementary school subjects.

EDEL 506P - Inquiry Practicum: Roles of Elementary Teachers (1 Credit)

Identifying and understanding the roles of elementary teachers through the practice of inquiry through field-based experiences.

Corequisite: EDEL 506.

EDEL 510 - Teaching Second Languages to Young Children (3 Credits)

To assist prospective teachers of young children in the development of a second language and multicultural learning activities. Practicum sessions are an integral part.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: FORL 510

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 515 - Science in the Elementary School (3 Credits)

Reinforces the science background of prospective and practicing elementary teachers. Innovations are examined. Emphasis is placed on methods, materials, community resources, and evaluation procedures.

EDEL 544 - Modern Approaches to Mathematics Teaching (3 Credits)

Curriculum and pedagogy for mathematics topics taught in grades 3 through 8.

EDEL 548 - Field Problems: Teaching Mathematics Using Manipulative Materials, Grades 4-6 (3 Credits)

Instructional approaches and materials for teaching elementary school mathematics, grades 4-6. This course cannot be applied to a graduate degree in the elementary education program.

EDEL 560 - Social Studies in the Elementary/ Middle School (3 Credits)

Fundamentals of social studies education in the elementary/middle school.

EDEL 570 - Internship in Environments for Teaching and Learning (3 Credits)

Internship for practice in classrooms appropriate to elementary education related to curriculum design and assessment.

Prerequisites: Admission to the internship in elementary education.

EDEL 571 - Internship in Planning and Motivation (3 Credits)

Field experience that emphasizes planning lessons that actively engage students in learning.

Prerequisites: Admission to the internship in elementary education.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDEL 642 - Teaching Mathematics to Young Children (3 Credits)

Analysis of a developmental approach to teaching children under the age of 9.

EDEL 645 - Diagnostic Teaching of Arithmetic (3 Credits)

Analysis of the concepts and skills of arithmetic in the school mathematics curriculum; exploration of diagnostic-prescriptive teaching methods.

EDEL 670 - Language Arts in the Elementary and Middle School (3 Credits)

Examine the content, goals, and methods of teaching language arts in elementary and middle school.

EDEL 690 - Independent Study (1-3 Credits)

Engl - Foreign Students (ENFS)

ENFS 050 - The International Student in the University: Foundations (0 Credits)

Academic and socio-cultural survival skills for students with high-intermediate English proficiency in the first semester of the Extended Accelerator Program. Restricted to: Extended Accelerator Program.

ENFS 053 - Topics in Professional Development and Analytical Skills for International Graduate Students (1 Credit)

Field-specific professional development and analytical skills for graduate students in the International Accelerator Program. Restricted to: Graduate Students in the International Accelerator Program.

ENFS 054 - Topics in Advanced Professional Development and Analytical Skills for International Grad Students (1 Credit)

Advanced field-specific professional development and analytical skills for graduate students in the International Accelerator Program. Restricted to Graduate Students in the International Accelerator Program.

ENFS 071 - Oral English I (2-5 Credits)**ENFS 072 - Oral English II (2-5 Credits)****ENFS 075 - Oral English Lab I (1-2 Credits)****ENFS 081 - Written English I (2-5 Credits)****ENFS 082 - Written English II (2-5 Credits)****ENFS 085 - Reading English I (1-3 Credits)****ENFS 091 - English for Academic Purposes A (0 Credits)**

Essential English integrated skill building for students at a high intermediate level of English language proficiency; production and comprehension skills and strategies related to accessing academic content.

ENFS 092 - English for Academic Purposes B (0 Credits)

Essential English integrated skill building for students at a high intermediate level of English language proficiency; production and comprehension skills and strategies related to accessing academic content; second in a two-part sequence ENFS 091, ENFS 092.

ENFS 093 - Technology for Academic Purposes (0 Credits)

Technology skills for non-native speakers of English for accessing course content, typing on an English keyboard, formatting and submitting university level assignments, and improving accuracy through online proofreading tools. Restricted to Students in the International Accelerator Program.

Corequisite: ENFS 091 and ENFS 092.

ENFS 094 - Course Supplement (0 Credits)

Strategic competence skill building for low-advanced learners of English; designed to enable students to access course materials and complete university-level assignments successfully. Restricted to: Students in the International Accelerator Program.

ENFS 096 - Special Topics in Graduate Communication A (1-3 Credits)

Integrated English for Specific Purposes for graduate students in the Masters Accelerator Program; part one of a two-part subject-specific course sequence; IELTS 6.0 or equivalent English language proficiency is required. Restricted to Graduate students in the International Accelerator Program. ENFS 096 and ENFS 097 are normally taken in the same semester as consecutive 8-week courses.

Corequisite: ENFS 097.

ENFS 097 - Special Topics in Graduate Communication B (1-3 Credits)

Integrated English for Specific Purposes for graduate students in the Masters Accelerator Program; part two of a two-part subject-specific course sequence; IELTS 6.0 or equivalent language proficiency is required. Restricted to Graduate Students in the International Accelerator Program. ENFS 096 and ENFS 097 are normally taken in the same semester as consecutive 8-week courses.

Prerequisite or Corequisite: ENFS 096.

ENFS 098 - Topics in Advanced English for Specific Purposes (1-3 Credits)

Advanced, field-specific, Integrated English for Specific Purposes for graduate students in the Masters Accelerator Program; IELTS 6.5 or equivalent language proficiency is required. Restricted to Graduate Students in the International Accelerator Program.

Engl as a Sec Language (ENSL)

ENSL 355 - Service Learning through English to Speakers of Other Languages (3 Credits)

Active youth or adult ESOL education service learning experience. Includes application of ESOL principles, exploration of the immigrant experience, and reflective writing addressing the intersection of course concepts and service experiences. International service component may be an option.

English (ENGL)

ENGL 101 - Critical Reading and Composition (3 Credits)

Instruction in strategies for critically reading and analyzing literature and non-literary texts; structured, sustained practice in composing expository and analytical essays.

Carolina Core: CMW

ENGL 102 - Rhetoric and Composition (3 Credits)

Instruction and intensive practice in researching, analyzing, and composing written arguments about academic and public issues.

Prerequisites: C or better in ENGL 101 or equivalent credit.

Carolina Core: CMW, INF

ENGL 200 - Creative Writing, Voice, and Community (3 Credits)

Workshop course on creative writing with a focus on values, ethics, and social responsibility.

Prerequisites: ENGL 101 and ENGL 102.

Carolina Core: AIU, VSR

ENGL 270 - World Literature (3 Credits)

Selected masterpieces of world literature from antiquity to present.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Cross-listed course: CPLT 270

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 280 - Literature and Society (3 Credits)

Fiction, poetry, drama and other cultural texts engaged with questions of values, ethics and social responsibility.

Prerequisites: ENGL 101 and ENGL 102.

Carolina Core: AIU, VSR

ENGL 282 - Special Topics in Fiction (3 Credits)

Special topics in fiction from several countries and historical periods, illustrating the nature of the genre. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 283 - Special Topics in British Literature (3 Credits)

Special topics in British literature exemplifying persistent themes of British culture. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning

ENGL 284 - Drama (3 Credits)

Drama from several countries and historical periods, illustrating the nature of the genre.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 285 - Special Topics in American Literature (3 Credits)

Special topics in American literature exemplifying persistent themes of American culture. May be repeated for credit. Content varies by title and semester.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 286 - Poetry (3 Credits)

Poetry from several countries and historical periods, illustrating the nature of the genre.

Prerequisites: ENGL 101 and 102 or equivalent.

Carolina Core: AIU

ENGL 287 - American Literature (3 Credits)

An introduction to American literary history, emphasizing the analysis of literary texts, the development of literary traditions over time, the emergence of new genres and forms, and the writing of successful essays about literature. Designed for English majors.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 288 - English Literature (3 Credits)

An introduction to English literary history, emphasizing the analysis of literary texts, the development of literary traditions over time, the emergence of new genres and forms, and the writing of successful essays about literature. Designed for English majors.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Carolina Core: AIU

ENGL 309 - Teaching Writing in One-to-One Sessions (3 Credits)

The study of theories and pedagogy of individualized writing instruction with intensive writing practice including hands-on one-on-one sessions. Recommended for prospective writing teachers.

Prerequisites: ENGL 101 and ENGL 102 or equivalent.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 340 - Literature and Law (3 Credits)

Introduction to the interdisciplinary study of literature and law.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 341 - Literature and Medicine (3 Credits)

Introduction to the interdisciplinary study of literature and medicine.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 350 - Introduction to Comics Studies (3 Credits)

Scholarly study of the formal and aesthetic evolutions of graphic novels, comic books, and other related forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: FAMS 350

ENGL 360 - Creative Writing (3 Credits)

Workshop course on writing original fiction, poetry, drama, and creative nonfiction.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Community Service

ENGL 363 - Introduction to Professional Writing (3 Credits)

Overview of concepts, contexts, and genres used in professional communication. Intensive practice in analyzing, emulating, and creating textual and multimedia documents for a variety of professional, non-academic purposes (including commercial, informative, persuasive, and technical).

Prerequisite or Corequisite: C or higher in both ENGL 101 and ENGL 102.

ENGL 370 - Language in the USA (3 Credits)

Linguistic examination of the structure, history, and use of language varieties in the U.S., with a particular focus on regional and sociocultural variation and relevant sociolinguistic issues.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: LING 345

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: JSTU 373

ENGL 380 - Epic to Romance (3 Credits)

Comprehensive exploration of medieval and other pre-Renaissance literature using texts representative of the evolution of dominant literary forms.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 380

ENGL 381 - The Renaissance (3 Credits)

Literature of the Renaissance, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 381

ENGL 382 - The Enlightenment (3 Credits)

Literature of the Enlightenment in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 382

ENGL 383 - Romanticism (3 Credits)

Literature of Romanticism, in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 383

ENGL 384 - Realism (3 Credits)

Literature of Realism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 384

ENGL 385 - Modernism (3 Credits)

Literature of Modernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 385

ENGL 386 - Postmodernism (3 Credits)

Literature of Postmodernism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: CPLT 386

ENGL 387 - Introduction to Rhetoric (3 Credits)

Theories of human communication useful for understanding and informing the everyday work of writers. Emphasis on intensive analysis and writing.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 387

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 388 - History of Literary Criticism and Theory (3 Credits)

Representative theories of literature from Plato through the 20th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 389 - The English Language (3 Credits)

Introduction to the field of linguistics with an emphasis on English. Covers the English sound system, word structure, and grammar. Explores history of English, American dialects, social registers, and style.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 301

ENGL 390 - Great Books of the Western World I (3 Credits)

European masterpieces from antiquity to the beginning of the Renaissance.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 301

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 391 - Great Books of the Western World II (3 Credits)

European masterpieces from the Renaissance to the present.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 302

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 392 - Great Books of the Eastern World (3 Credits)

Classical and contemporary poetry and prose of the Middle and Far East.

Prerequisites: ENGL 101, ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: CPLT 303

Graduation with Leadership Distinction: GLD: Global Learning

ENGL 393 - Postcolonialism (3 Credits)

Literature of Postcolonialism in its cultural contexts, explored through representative works.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 395 - Classical Drama (3 Credits)

Representative plays by Greek and Roman dramatists.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: CLAS 469

ENGL 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Research

ENGL 400 - Early English Literature (3 Credits)

Major works of Old and Middle English literature (excluding Chaucer).

Prerequisites: ENGL 101 and ENGL 102.

ENGL 401 - Chaucer (3 Credits)

Chaucer's works, with special attention to The Canterbury Tales.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 402 - Tudor Literature (3 Credits)

English non-dramatic poetry and prose of the 16th century.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 403 - The 17th Century (3 Credits)

Poetry and prose of major 17th-century writers (excluding Milton).

Prerequisites: ENGL 101 and ENGL 102.

ENGL 404 - English Drama to 1660 (3 Credits)

Drama in England, from the Middle Ages to the Restoration (excluding Shakespeare).

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 405 - Shakespeare's Tragedies (3 Credits)

Shakespeare's Tragedies.

Prerequisites: C or better in ENGL 101 and ENGL 102.**ENGL 406 - Shakespeare's Comedies and Histories (3 Credits)**

Shakespeare's Comedies and Histories.

Prerequisites: C or better in ENGL 101 and ENGL 102.**ENGL 407 - Milton (3 Credits)**

Milton's works, with special attention to Paradise Lost.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 410 - The Restoration and 18th Century (3 Credits)**

Poetry and prose from 1660 to the later 18th century.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 411 - British Romantic Literature (3 Credits)**

Poetry and prose of the English Romantic period.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 412 - Victorian Literature (3 Credits)**

Poetry and prose from the 1830s to the end of the century.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 413 - Modern English Literature (3 Credits)**

Poetry and prose of the 20th century.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 414 - English Drama Since 1660 (3 Credits)**

Major dramatists from the Restoration to the present.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 415 - The English Novel I (3 Credits)**

A study of the novel from the beginnings through Walter Scott.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 416 - The English Novel II (3 Credits)**

A study of the novel from Walter Scott into the 20th century.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 419 - Topics in English Literature (3 Credits)**

Intensive study of selected topics. May be repeated for credit under a different title. Course can be taken 2 times for credit. 6 is the maximum number of credit hours if course can be taken multiple times.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 420 - American Literature to 1830 (3 Credits)**

Colonial, Revolutionary, and early Romantic poetry and prose.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 421 - American Literature 1830-1860 (3 Credits)**

Poetry and prose of the American Romantic period.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 422 - American Literature 1860-1910 (3 Credits)**

Poetry and prose from the Civil War to the early modern era.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 423 - Modern American Literature (3 Credits)**

Poetry and prose of the 20th century.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 424 - American Drama (3 Credits)**

Representative plays from the 18th century to the present.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 425A - The American Novel to 1914 (3 Credits)**

Representative novels from the 18th century to World War I.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 425B - The American Novel Since 1914 (3 Credits)**

Representative novels from 1914 to the present.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 426 - American Poetry (3 Credits)**

Representative works from the 17th century to the present.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 427 - Southern Literature (3 Credits)**

Representative works of Southern writers.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 428A - African-American Literature I: to 1903 (3 Credits)**

Representative of African-American writers to 1903.

Prerequisites: ENGL 101 and ENGL 102.**Cross-listed course:** AFAM 428A**Graduation with Leadership Distinction:** GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences**ENGL 428B - African-American Literature II: 1903 – Present (3 Credits)**

Representative works of African-American writers from 1903 to the present.

Prerequisites: ENGL 101 and ENGL 102.**Cross-listed course:** AFAM 428B**Graduation with Leadership Distinction:** GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences**ENGL 429 - Topics in American Literature (3 Credits)**

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 430 - Topics in African American Literature (3 Credits)**

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 431A - Children's Literature (3 Credits)**

Literature written for children in a variety of historical periods and geographical regions, illustrating the nature of the genre.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 431B - Picture Books (3 Credits)**

Literature written for children and young adults that communicates through interdependent visual and verbal modes.

Prerequisites: ENGL 101 and ENGL 102.**ENGL 432 - Young Adult Literature (3 Credits)**

Post-World War II literature in a variety of genres whose primary audience is young adults.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 433 - Special Topics in Children's and Young Adult Literature (3 Credits)

Intensive study of a genre, historical period, geographical regions, author, or theme in Children's or Young Adult Literature. May be repeated as content varies by title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 434 - Environmental Literature (3 Credits)

Literature of the natural environment and of human interactions with nature, along with critical theories about human/nature interactions.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 435 - The Short Story (3 Credits)

The characteristics of the short story and its historical development in America and Europe.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 436 - Science Fiction Literature (3 Credits)

Representative masterworks of science fiction from the beginnings of the genre to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 437 - Women Writers (3 Credits)

Representative works written by women.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

Cross-listed course: WGST 437

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 438A - South Carolina Writers (3 Credits)

Authors and literary forms representative of South Carolina.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438B - Scottish Literature (3 Credits)

Authors and literary forms representative of Scotland.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438C - Irish Literature (3 Credits)

Authors and literary forms representative of Ireland.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 438D - African Literature (3 Credits)

Authors and literary forms representative of Africa.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 438D

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 438E - Caribbean Literature (3 Credits)

Authors and literary forms representative of the Caribbean.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 438E

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 439 - Selected Topics (3 Credits)

Intensive study of selected themes, topics, currents of thought, or interdisciplinary concerns. May be repeated for credit under a different course title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 440 - Principles of Modern Literary Theory (3 Credits)

Major 20th-century approaches to texts, from New Criticism to the present.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 441 - Global Contemporary Literature (3 Credits)

Studies in twentieth- and twenty-first-century global Anglophone literatures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

ENGL 445 - LGBTQ+ Literature (3 Credits)

This course will examine LGBTQ+ (lesbian, gay, bisexual, trans, queer, and other nonnormative sexual identities) literatures and cultures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: WGST 445

ENGL 449 - Special Topics in Theory (3 Credits)

Approaches to criticism, such as feminism, Marxism, semiotics, deconstruction, New Historicism, cultural materialism, and others; or genre, such as narrative, poetry, drama, and others.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 450 - English Grammar (3 Credits)

Major structures of English morphology and syntax; role of language history and social and regional variation in understanding contemporary English.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 421

ENGL 453 - Development of the English Language (3 Credits)

History of English from the earliest Old English texts through Middle English to Contemporary English. No previous knowledge of Old or Middle English is required.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 431

ENGL 455 - Language in Society (3 Credits)

Patterns in language use as a reflection of social group memberships or the negotiation of interpersonal relationships; special attention to social dialects and stylistic differences in American English.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: LING 440

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 457 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary presentations, language attitudes, and issues relating to education and the acquisition of Standard English.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: AFAM 442, ANTH 442, LING 442

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 460 - Advanced Writing (3 Credits)

Extensive practice in different types of nonfiction writing.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 461 - The Teaching of Writing (3 Credits)

Theory and methods of teaching composition and extensive practice in various kinds of writing. Recommended for prospective writing teachers.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 462 - Technical Writing (3 Credits)

Preparation for and practice in types of writing important to scientists, engineers, and computer scientists, from brief technical letters to formal articles and reports.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 463 - Business Writing (3 Credits)

Extensive practice in different types of business writing, from brief letters to formal articles and reports.

Prerequisites: ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

ENGL 464 - Poetry Workshop (3 Credits)

Workshop in writing poetry.

Prerequisites: C or better in ENGL 101 and ENGL 102 or equivalent.

ENGL 465 - Fiction Workshop (3 Credits)

Workshop in writing fiction.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 466 - Internship (1-3 Credits)

Supervised professional experience writing in a workplace or community agency, including analysis and production of documents. Internship contract and department permission required. 6 is the Maximum number of credit hours if course can be taken multiple times.

Prerequisites: ENGL 101 and ENGL 102. Internship contract and department permission required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ENGL 467 - Topics in Rhetoric (3 Credits)

Intensive study of selected topics. May be repeated for credit under a different title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 468 - Digital Writing (3 Credits)

Emphasis on writing in digital environments, exploring critically and creatively what it means to compose in emerging genres and media. Students will create multimedia texts that may include digital video, audio podcasts, social networks, and/or blogs and wikis, among other digital modes of expression.

ENGL 469 - Creative Nonfiction (3 Credits)

Explores the various subgenres and techniques of creative nonfiction, such as collage, memoir and literary journalism by reading polished examples and by responding to writing exercises designed to prompt ideas and hone skills.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 470 - Rhetoric of Science and Technology (3 Credits)

Rhetorical study of science and technology in contemporary culture, emphasizing the ways scientific texts and technologies make their persuasive appeals.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 470

ENGL 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: CLAS 471, SPCH 471

ENGL 472 - Rhetoric and Popular Culture (3 Credits)

Rhetorical study of popular culture, using the methods and theories of cultural analysis to examine how various popular cultural forms work as persuasion.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 472

ENGL 475 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

Prerequisites: ENGL 101 and 102 or equivalent; ARTH 366.

ENGL 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: SPCH 485, WGST 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

Cross-listed course: AFAM 486, SPCH 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: AFAM 487, WGST 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ENGL 490 - Topics in Advanced Study (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

Prerequisites: ENGL 101 and ENGL 102; English major, junior or senior standing, or consent of instructor.

ENGL 491 - Advanced Poetry Workshop (3 Credits)

Students will study poetry writing at an advanced undergraduate level through close readings of professional poetry, composition of original work, and regular practice in the evaluation of peer work.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 492 - Advanced Fiction Workshop (3 Credits)

Students will study the art and craft of writing literary fiction at an advanced level through close readings and the composition of original short stories.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 493 - Advanced Creative Non-Fiction (3 Credits)

The art and craft of writing creative nonfiction at the advanced level.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 494 - Advanced Professional Writing Workshop (3 Credits)

An advanced workshop on the genres, practices, and contexts of professional writing for experienced writers.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

ENGL 499 - Thesis (3 Credits)

Directed research resulting in a project of substantial length. Upper-level English majors; permission of undergraduate director and supervising faculty member.

ENGL 550 - Advanced English Grammar (3 Credits)

Practical survey of the syntactic structures of English; usage, social and regional variation emphasis on data.

Prerequisites: ENGL 450, LING 421, ENGL 680, or LING 600.

Cross-listed course: LING 521

ENGL 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

Cross-listed course: AFAM 565, THEA 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

ENGL 566 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 566, MART 593

ENGL 600 - Seminar in Verse Composition (3 Credits)

First half of a year-long course in the writing of poetry taught by a contemporary poet. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 601 - Seminar in Verse Composition (3 Credits)

Second half of a year-long course in the writing of poetry taught by a contemporary poet. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 602 - Fiction Workshop: Short Story (3 Credits)

Instruction in the writing of short fiction taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270-ENGL 292.

ENGL 603 - Non-Fiction Prose Workshop (3 Credits)

Instruction in the writing of the nonfiction essay taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 604 - Seminar in Composition for the Visual Media (3 Credits)

Writing for the visual arts, the student will write a treatment (prospectus) and one or more multimedia scripts; or one or more teleplays; or a feature-length screenplay. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102 or equivalent; ENGL 565 or equivalent experience in film as determined by the instructor.

ENGL 605 - Seminar in Composition for the Visual Media (3 Credits)

Writing for the visual arts, the student will write a treatment (prospectus) and one or more multimedia scripts; or one or more teleplays; or a feature-length screenplay. Limited to 15 students.

Prerequisites: ENGL 101 and ENGL 102 or equivalent; ENGL 565 or equivalent experience in film as determined by the instructor.

ENGL 606 - Playwriting Workshop (3 Credits)

Instruction in playwriting taught by a contemporary playwright. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 610 - Fiction Workshop: Book-Length Manuscript (3 Credits)

Instruction in the writing of book-length manuscripts taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 611 - Writing the Longer Nonfiction Project (3 Credits)

Instruction in the writing of a book-length nonfiction memoir or literary journalism project taught by a contemporary prose writer. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 612 - Writing Poetry: Traditional and Modern Forms (3 Credits)

The writing of traditional and modern poetic forms. Exercises will give practice in composing metered and free verse. Representative masterpieces of traditional and modern poetry will also be studied.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 613 - Writing the Full-Length Play (3 Credits)

Instruction in the writing of a full-length, two-act play for publication or production. May be repeated once for credit.

Prerequisites: graduate status in the English department, or permission of instructor for undergraduates.

ENGL 615 - Academic and Professional Writing (3 Credits)

A workshop course in the development and revision of writing for academic and professional audiences.

Prerequisites: ENGL 101 and ENGL 102, and one course between ENGL 270- ENGL 292.

ENGL 616 - Writing Children's and Young Adult Literature (3 Credits)

Critical study and practical crafting of literature for children and/or young adults, exploring the demands of these genres both through the reading of representative works and relevant secondary sources and through the writing of creative works. Undergraduate students must receive permission of instructor.

ENGL 620 - Computer Methods for Humanistic Problems (3 Credits)

Introduction to data processing concepts suitable for research interests in non-numerical areas such as the humanities.

ENGL 620P - Laboratory for Computer Methods for Humanistic Problems (1 Credit)

Broad but intensive introduction to computer systems and programming for students in the humanities. No mathematical or scientific background is presumed. Laboratory experience with data-processing equipment; introduction to elementary digital computer programming in an appropriate language.

Corequisite: ENGL 620.

ENGL 650 - Special Topics in Literature (1-3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated for credit as topics vary.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 680 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ANTH 600, LING 600

ENGL 690 - Special Topics in Composition (3 Credits)

Course content varies and will be announced in the schedule of classes by title.

Prerequisites: ENGL 101 and ENGL 102.

ENGL 691 - Teaching of Literature in College (2 Credits)

Introduction to the methods of teaching literature, with emphasis on current pedagogical practice and theory and applications of electronic media. The course meets during the first seven weeks of the term and provides supervision of graduate students teaching English 101.

ENGL 692 - Teaching of Composition in College (1 Credit)

Introduction to the methods of teaching composition, with emphasis on current pedagogical practice and theory and applications of electronic media. The course meets during the first seven weeks of the term and provides supervision of graduate students teaching English 102.

Engr and Computing (ENCP)

ENCP 101 - Introduction to Engineering I (3 Credits)

Engineering problem solving using computers and other engineering tools.

ENCP 102 - Introduction to Engineering II (3 Credits)

Principles and practice of visualization and graphical representation using modern computer-aided design tools.

ENCP 103 - Exploratory Topics in Engineering and Computing (0-6 Credits)

Introduction to new, contemporary, and emerging issues in engineering and computing that are not regularly included in lower division courses. Course content varies and will be announced in the schedule of classes.

ENCP 105 - Professional Development and Ethics in Engineering and Computing (1 Credit)

Introduction to the field of engineering and computing in a seminar format. Open to first-year students only.

ENCP 200 - Statics (3 Credits)

Introduction to the principles of mechanics. Equilibrium of particles and rigid bodies. Distributed forces, centroids, and centers of gravity. Moments of inertia of areas. Analysis of simple structures and machines. A study of various types of friction.

Prerequisites: MATH 141.

ENCP 201 - Introduction to Applied Numerical Methods (3 Credits)

Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving systems of equations, and numerical integration and differentiation.

Prerequisites: MATH 141.

Corequisite: MATH 142.

Cross-listed course: EMCH 201, PHYS 311

ENCP 210 - Dynamics (3 Credits)

Kinematics of particles and rigid bodies. Kinetics of particles with emphasis on Newton's second law; energy and momentum methods for the solution of problems. Applications of plane motion of rigid bodies.

Prerequisites: ENCP 200 or ECIV 200 or EMCH 200.

ENCP 260 - Introduction to the Mechanics of Solids (3 Credits)

Concepts of stress and strain; stress analysis of basic structural members; consideration of combined stress, including Mohr's circle; introductory analysis of deflection; buckling of columns.

Prerequisites: ENCP 200 or ECIV 200 or EMCH 200, MATH 241.

ENCP 290 - Thermodynamic Fundamentals (3 Credits)

Definitions, work, heat, and energy. First law analyses of systems and control volumes. Second law analysis.

Prerequisites: MATH 241.

ENCP 330 - Introduction to Vibrations (3 Credits)

Theoretical and experimental analysis of systems involving one degree of freedom, including measurement methods. Introduction to free vibrations in systems with two degrees of freedom.

Prerequisites: ENCP 210 or ECIV 210 or EMCH 310, MATH 242.

ENCP 360 - Fluid Mechanics (3 Credits)

Basic principles of fluid statics and dynamics; conservation laws of mass, momentum, and energy developed in the context of the control volume formulation; application of dimensional analysis, dynamic similitude, steady-state laminar viscous flow, and turbulent flow.

Prerequisites: D or better in ENCP 200 or ECIV 200 or EMCH 200 or BMEN 212 or BMEN 260 or BMEN 263 or ECHE 300; D or better in PHYS 211.

ENCP 399 - Independent Study (1-3 Credits)**ENCP 440 - Sustainable Development in Engineering (3 Credits)**

An examination of political, social, technical, and economic issues associated with sustainable development.

ENCP 460 - Special Topics in Engineering and Computing (1-6 Credits)

Emerging topics in engineering and computing. Course content varies and will be announced in the schedule of classes by title. May be repeated up to 8 hours as topic varies.

ENCP 481 - Project Management (1 Credit)

Estimating project time and resources, scheduling, Gantt and PERT charts, budgeting, monitoring and tracking results. Upper-division standing,

Graduation with Leadership Distinction: GLD: Research

ENCP 491 - Capstone Design Project I (3 Credits)

Major team-based design project to be undertaken in a student's final year of study; project planning. Consent of advisor and instructor.

Prerequisite or Corequisite: ENCP 481 or ECIV 405.

Graduation with Leadership Distinction: GLD: Research

ENCP 492 - Capstone Design Project II (3 Credits)

System implementation, testing, verification and validation of results. Written reports and oral presentations in a technical setting. Consent of instructor.

Prerequisites: ENCP 491.

Graduation with Leadership Distinction: GLD: Research

ENCP 499 - Interdisciplinary Technical Elective (1-3 Credits)

Investigation or studies or special topics, typically in an interdisciplinary team-based environment. A maximum of three credits may be applied toward a degree. Advance approval of proposed project by instructor and academic advisor.

Graduation with Leadership Distinction: GLD: Research

ENCP 540 - Environmentally Conscious Manufacturing (3 Credits)

Design for the environment; life cycle analysis; environmental economics and global competitiveness; legal and regulatory affairs; and management of technological change. Interdisciplinary collaboration of engineering, science, math, and business majors. Graduate student standing or consent of instructor.

ENCP 602 - Introduction to Engineering Design for Teachers (3 Credits)

An introduction to computer-aided design with solid modeling for pre-service and in-service teachers. Design process, professional communication and collaboration methods, design ethics, and technical documentation. Non-engineering and computing majors only. Prerequisite: college algebra with trigonometry.

ENCP 603 - Gateway to Technology for Teachers (3 Credits)

Addresses the development of knowledge, skills, and understanding of modern technology. For preservice and in-service teachers. College of Engineering and Computing majors are excluded.

Prerequisites: MATH 112 or MATH 115.

ENCP 605 - Principles of Engineering for Teachers (3 Credits)

Introduces technological processes employed in engineering and engineering technology for K-12 teachers. For pre-service and in-service teachers. College of Engineering and Computing majors are excluded.

Prerequisites: MATH 112 or MATH 115.

Environment (ENVR)

ENVR 101 - Introduction to the Environment (3 Credits)

Analysis of environmental issues and the role of science in their identification and resolution.

Carolina Core: SCI

ENVR 101L - Introduction to the Environment Lab (1 Credit)

Demonstrations, field trips, data analyses, and discussion relating to environmental issues, such as sustainability, resource management, and pollution control.

Prerequisite or Corequisite: ENVR 101.

Carolina Core: SCI

ENVR 121 - Green Explorations (3 Credits)

Interdisciplinary seminar combining the intellectual exploration of ecological perspectives with the physical exploration of the local environment. First-year students only.

Cross-listed course: POLI 121

ENVR 122 - Green Engagements (3 Credits)

Interdisciplinary seminar on designing, researching, and implementing collaborative projects to promote ecological sustainability. First-year students only.

Cross-listed course: POLI 122

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

ENVR 200 - Natural History of South Carolina (4 Credits)

General review of plants, animals, and geological features of South Carolina, with an emphasis on connections to the natural world.

Carolina Core: SCI

ENVR 201 - Environmental Science and Policy I (4 Credits)

Introduction to interdisciplinary and multidisciplinary perspectives on environmental issues. Required for majors in the Environment and Sustainability Program. Integrative case studies address ways of understanding nature. Sophomore Standing.

ENVR 202 - Environmental Science and Policy II (4 Credits)

Continuing interdisciplinary and multidisciplinary exploration of relations between environment and society for majors in the Environment and Sustainability Program. Case studies raise issues, challenges, and strategies to achieving sustainability.

ENVR 231 - Introduction to Sustainability Management and Leadership (3-4 Credits)

Introduction to development, establishment, and implementation of sustainability management systems and organizational leadership for achieving environmental, social, and economic goals.

ENVR 295 - Green Technology in Germany (3 Credits)

Examination of roots and culture of environmentalism and related technological innovation in Germany. Comparison of green practices around the world to practices within Europe and U.S.

Cross-listed course: GERM 295

Graduation with Leadership Distinction: GLD: Community Service

ENVR 321 - Environmental Pollution and Health (3 Credits)

A survey of pollution (chemical, biological, physical) effects on environmental quality and public health with emphases on how each pollutant class behaves and affects individual and community health over acute to chronic exposure periods.

Cross-listed course: ENHS 321

ENVR 322 - Environmental Ethics (3 Credits)

Examination of principles and arguments surrounding moral issues involving the environment.

Cross-listed course: PHIL 322

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

ENVR 323 - Global Environmental Health (3 Credits)

Concerns in global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

Cross-listed course: ENHS 323

ENVR 331 - Integrating Sustainability (3 Credits)

Multidisciplinary approach to interrelated environmental, economic and social problems facing humans at local, regional and global scales.

ENVR 342 - Environmental Anthropology: Cross-cultural Perspectives on Environmental Change (3 Credits)

Cross-cultural perspectives on environmental issues.

Cross-listed course: ANTH 342

ENVR 348 - Environmental Racism and Justice (3 Credits)

History of the environmental justice movement and the unequal distribution of environmental harms on low income, minority, and historically marginalized groups.

Cross-listed course: AFAM 348

ENVR 352 - Energy, Society and Sustainability (3 Credits)

The role of energy in shaping society and geographic settings, as well as how energy production and consumption are shaped by the societal values and norms in which it is extracted, produced, and consumed.

ENVR 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and dean of the School of the Environment is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ENVR 460 - Congaree National Park: Field Investigations in Environmental Science (4 Credits)

Field research practices and analysis techniques in environmental science. Combines inquiry-based field investigations at Congaree National Park and laboratory sample analysis with integration of data and public policy concepts. Daily field trips required.

Prerequisites: ENVR 201 and ENVR 202.

ENVR 480 - Environmental Issues Seminar (3 Credits)

Collaborative study of a contemporary environmental issue. Field trips may be required.

ENVR 490 - Special Topics in Sustainability and the Environment (1-4 Credits)

Current developments in sustainability and global environmental issues selected to meet faculty and student interests. May be repeated as content varies.

ENVR 499 - Research in Environmental Science (1-3 Credits)

Independent student research in collaboration with faculty mentors. Contract approved by instructor, advisor, and department chair is required.

Graduation with Leadership Distinction: GLD: Research

ENVR 500 - Environmental Practicum (3 Credits)

Multidisciplinary research projects related to University or community environmental problems (e.g., energy, water conservation, solid waste, recycling).

ENVR 501 - Special Topics in the Environment (3 Credits)

An in-depth analysis course of a specific interdisciplinary environmental topic. Course content varies and will be announced in the schedule of classes by title.

Prerequisites: ENVR 101 or ENVR 201.

ENVR 517 - Socionatural Coastlines in Global Perspective (3 Credits)

A discussion-based seminar course that examines nature-society relations in coastal regions globally. The course will use social theory to understand how uneven development processes shaped – and continue shaping – current coastlines. We will explore key topics including coastal capitalism, delta ecologies, and climate justice via several global case studies.

Cross-listed course: GEOG 517

ENVR 531 - Sustainability Management and Leadership Strategies (3-4 Credits)

Integrated management system principles and advanced leadership strategies to create sustainable development initiatives.

ENVR 533 - Sustainability Projects Course (3 Credits)

Research, development and implementation of sustainability projects throughout the campus and community.

ENVR 534 - Water and Sanitation in Global Perspective (3 Credits)

Interdisciplinary examination of the global policy challenge of ensuring equitable access to water and sanitation services for all.

ENVR 538 - Global Food Politics (3 Credits)

Political, social, and cultural landscapes of food and farming around the world; issues of agricultural production, trade, consumption, and food security.

Cross-listed course: GEOG 538

ENVR 540 - Decolonizing the Environment: Race, Nature, Power (3 Credits)

Critical examination of the ways ideas about nature and racial difference are conceptually and materially entwined with the production of social and environmental inequalities.

ENVR 548 - Environmental Economics (3 Credits)

An analysis of the economics aspects of environmental decay, pollution control, and natural resource use. Analysis of the ability of the market system to allocate resources efficiently when economic activity is accompanied by environmental damage. Discussion of alternative public policy approaches to pollution control and natural resource conservation.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

Cross-listed course: ECON 548

ENVR 571 - Conservation Biology (3 Credits)

Principles of conservation biology. Importance of biodiversity, causes of decline and extinction, and restoration and conservation policy in terrestrial and aquatic ecosystems.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 571

ENVR 572 - Freshwater Ecology (3 Credits)

Quantitative study of the population, community and evolutionary ecology of freshwater habitats (lakes, ponds, rivers, streams, wetlands). Includes mandatory fieldtrips.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 572

Environmental Hlth Sci (ENHS)

ENHS 223 - Introduction to Global Environmental Health (3 Credits)

Introduction to global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

ENHS 321 - Environmental Pollution and Health (3 Credits)

A survey of pollution (chemical, biological, physical) effects on environmental quality and public health with emphases on how each pollutant class behaves and affects individual and community health over acute to chronic exposure periods.

Cross-listed course: ENVR 321

ENHS 323 - Global Environmental Health (3 Credits)

Concerns in global environmental health, with a focus on toxic pollution and disease burden in developing countries. Investigation of international treaties, corresponding environmental pollution processes, and human health effects.

Cross-listed course: ENVR 323

ENHS 324 - Environment and Obesity (3 Credits)

Role of the built environment and environmental toxins in the development and progression of obesity and metabolic syndrome from a public health perspective.

ENHS 450 - Introduction to Public Health Microbiology (3 Credits)

Public health microbiology and the intersection between microbial disease, the environment, and health, with a particular focus on critical public health issues in the 21st century.

ENHS 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Graduation with Leadership Distinction: GLD: Research

ENHS 492 - Special Topics in Environmental Health Sciences (3 Credits)

Issues and emerging themes in environmental health. May be repeated for a total of 9 credit hours as content varies by title.

ENHS 515 - Introduction to Public Health and Emergency Preparedness and Response (3 Credits)

Introduction to emergency preparedness and response in relation to environmental and public health. Historical context for the emergence of public health emergency preparedness and demonstration of articulation with community response partner agencies in the post-9/11 era.

ENHS 592 - Advanced Special Topics in Environmental Health (1-3 Credits)

Emerging issues and topics concerning environmental health. May be repeated as content varies by title up to a total of 9 credit hours.

ENHS 625 - Medical Mycology (3 Credits)

Advanced study of infectious diseases caused by fungi. Etiology, symptoms, and treatment of fungi related illnesses.

Cross-listed course: BIOL 625

ENHS 660 - Concepts of Environmental Health Science (3 Credits)

Environmental health sciences presenting the earth as a complex system in which people, plants, animals, and non-living physical-chemical components interact.

ENHS 661 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: BIOL 531, EPID 661

ENHS 662 - Industrial Health Programs (3 Credits)

Analysis, planning, and implementation of programs to protect workers' health in industry; legislative and regulatory background.

ENHS 664 - Environmental Genomics (3 Credits)

"State of the art" molecular techniques that elucidate mechanisms of environmental contaminants in model systems.

ENHS 665 - Biofilms in Environmental Health and Disease (3 Credits)

Effect of bacterial biofilm process on many diverse areas. Recognition, prevention, and control of biofilm-related problems in the environment, health care, industry, and engineering.

ENHS 666 - Metals and Human Health (3 Credits)

Trace metal(loid)s, their fate and transport in the environment and their potential impacts on human health.

Prerequisites: BIOL 101 or BIOL 110; CHEM 101 and CHEM 102, or equivalent.

ENHS 670 - Environmental Pollutants and Human Health (3 Credits)

Overview of environmental pollutants and their impact on human health; case studies of environmental catastrophes; principles of ecotoxicology; air, water, and land pollution associated with neurotoxicity, toxicology, and carcinogenesis.

Prerequisites: BIOL 101 or BIOL 110; CHEM 101 and CHEM 102.

ENHS 671 - From Air to Alveoli: Exposure Science (3 Credits)

A receptor-oriented approach for assessing human exposure to environmental contaminants by inhalation, dermal and ingestion routes. Covers methods for estimating exposures to protect health and well-being, to relate adverse effects to exposures, and to comply with regulations and guidelines.

ENHS 675 - Infectious Disease Ecology (3 Credits)

Ecological theories as the basis for environmental change and the (re)emergence of infectious agents that ultimately impact human and ecosystem health.

ENHS 681 - Occupational Ergonomics I (3 Credits)

Introduction to ergonomics: hazards identification and analysis; solution design and implementation; human musculoskeletal characteristics, injuries; effects of work on performance, safety, and health. Application to manufacturing and office environments.

Epidemiology (EPID)

EPID 349 - Infectious Disease Epidemiology (3 Credits)

This introductory course will review the history of infectious diseases, principles of infectious disease transmission, relevant study design and analysis techniques, and the clinical epidemiology of specific pathogens by transmission route categories. This course requires a prerequisite of a solid understanding of basic science and public health curricula, such as molecular biology or anatomy-physiology; or permission from instructor.

EPID 394 - Special Topics in Epidemiology (1-3 Credits)

Novel and emerging themes in epidemiology. Content varies by instructor and title. May be repeated for a total of 9 credit hours.

EPID 410 - Principles of Epidemiology (3 Credits)

Introduction to descriptive and analytical epidemiology. Topics will include the distribution and determinants of disease, surveillance, outbreak investigations, measures of association, screening tests, bias, and causal reasoning.

Prerequisite or Corequisite: STAT 201 or STAT 205.

Graduation with Leadership Distinction: GLD: Research

EPID 490 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. May be repeated.

Prerequisites: Instructor Permission.

Graduation with Leadership Distinction: GLD: Research

EPID 542 - Global Health Epidemiology (3 Credits)

This course will introduce epidemiologic concepts and methods using cases studies examining current global health challenges. Students will gain an understanding of the role of epidemiology in understanding the distribution of disease and risk factors, and developing, implementing and evaluating public health interventions globally.

EPID 594 - Special Topics in Epidemiology (1-6 Credits)

This course will introduce epidemiologic concepts and methods using cases studies examining current global health challenges. Students will gain an understanding of the role of epidemiology in understanding the distribution of disease and risk factors, and developing, implementing and evaluating public health interventions globally.

EPID 661 - Parasitology (4 Credits)

Parasites of biological, economic, and public health importance. Three lecture and three laboratory hours per week.

Prerequisites: 300 level Biology course or equivalent.

Cross-listed course: BIOL 531, ENHS 661

European Studies (EURO)

EURO 300 - Introduction to European Studies (3 Credits)

Team-taught interdisciplinary seminars, lectures, and readings with guest lecturers.

Graduation with Leadership Distinction: GLD: Global Learning

EURO 490 - Senior Seminar (3 Credits)

Topics in contemporary European studies. Applicable to EURO major only.

Graduation with Leadership Distinction: GLD: Research

EURO 499 - Senior Thesis (3 Credits)

Approval of topic by EURO advisor(s).

Graduation with Leadership Distinction: GLD: Research

Exceptional Children (EDEX)

EDEX 205 - Understanding the Foundations of Disability (3 Credits)

The role of historical events, politics, media, race, gender, and other issues in shaping how disability is viewed. A critical framework for understanding how disability is viewed in Western culture and the effects of those views on individuals with disabilities.

Carolina Core: GSS

EDEX 301 - Introduction to Students with Autism (3 Credits)

Introduction to autism including definition, characteristics, causes, and evidence-based practices.

EDEX 315 - Introduction to Applied Behavior Analysis in Special Education (3 Credits)

Introduction to the principles of behavior and their application to improving educational and behavioral outcomes of students with disabilities.

Prerequisites: C or better in EDEX 523.

EDEX 316 - Introduction to Functional Behavioral Assessment and Behavior Interventions (3 Credits)

Introduction to procedures used in school settings for reducing challenging behaviors through conducting a functional behavioral assessment and writing and implementing a behavior intervention plan.

Prerequisites: C or better in EDEX 315.

EDEX 390 - Introduction to Assessment in Special Education (3 Credits)

Introduction to concepts and methods of assessment in special education with emphasis on administering, scoring, and analysis of standardized educational tests.

Prerequisites: C or better in EDEX 523.

EDEX 392 - Collaborative Partnerships in Special Education (3 Credits)

Knowledge and skills critical to special education practitioners in fostering healthy and productive relationships with fellow professionals, students, and families.

Prerequisites: C or better in EDEX 523.

EDEX 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDEX 413 - Internship I in Special Education (6 Credits)

Experience in the observation and teaching of Pk – 12 students with exceptionalities across settings appropriate to special education teaching certification. Admission to Internship I in Special Education required.

EDEX 426 - Seminar in Special Education (3 Credits)

Synthesis of the knowledge and skills acquired through course work and field experiences during special education teacher preparation. Admission to Internship II in Special Education required.

Corequisite: EDEX 496.

EDEX 491 - Introduction to Inclusion of Students with Mild Disabilities (2 Credits)

Inclusion strategies and accommodation planning for students with mild disabilities in general education classrooms.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

EDEX 496 - Internship II in Special Education (12 Credits)

Application of effective teaching techniques and organization of instructional settings for exceptional learners in special education. Admission to Internship II Special Education required.

Corequisite: EDEX 426.

EDEX 523 - Introduction to Exceptional Children (3 Credits)

Overview of the field of education for exceptional children. Basic course for those entering the field of special education.

EDEX 525 - The Nature of Orthopedic and Special Health Problems (3 Credits)

Symptomatology, behavioral manifestations, and resources for care and treatment of orthopedic conditions and other types of health problems in children and youth.

EDEX 530 - Introduction to Early Childhood Special Education (3 Credits)

An overview of early childhood special education for young children with disabilities and their families.

EDEX 531 - Nature of Students with Specific Learning Disabilities (3 Credits)

Children with average/above average intelligence and specific learning impairments; diagnostic and remedial techniques. (Offered by both the College of Education and the Department of Psychology).

Prerequisites: EDEX 523 or PSYC 528.

Cross-listed course: PSYC 529

EDEX 540 - Nature and Needs of the Gifted and Talented (3 Credits)

Types and characteristics of the gifted and talented.

Prerequisites: EDEX 523 or PSYC 518.

EDEX 580 - Direct Instruction in Reading for At-Risk Learners (3 Credits)

A study of the skills and knowledge required to implement direct instruction procedures when teaching reading, with opportunity for application of skills. Research and theoretical foundations will also be evaluated.

Prerequisites: EDEX 523.

EDEX 581 - Teaching Reading in the Content Area to Adolescents with Reading Disabilities (3 Credits)

Research, theory, and instructional practices related to providing reading instruction in content areas for youth with disabilities, with a focus on developing disciplinary literacy in inclusive settings.

EDEX 582 - Teaching Mathematics to Students at Risk (3 Credits)

Research, theory, and instructional practices related to mathematical readiness and instruction for children and youth at risk for mathematical difficulties.

Prerequisites: EDEX 523 or EDEX 491.

EDEX 610 - Instruction of Students with Severe and Multiple Disabilities (3 Credits)

Data-based instruction for teaching students with significant disabilities: task and developmental analysis, individualizing instruction, and preparing and implementing instructional programs.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 615 - Curriculum and Language Instruction for Students with Severe and Multiple Disabilities (3 Credits)

Design, development, adaptation, and implementation of curriculum, language and communication instruction for students with significant disabilities.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 616 - Instruction of Students with Specific Learning Disabilities (3 Credits)

Theory and application of current evidence-based procedures for teaching children with specific learning disabilities.

Prerequisites: EDEX 523, EDEX 531, or EDEX 632 or equivalent.

EDEX 619 - Nature of Students with Intellectual Disabilities (3 Credits)

Nature and causes of intellectual disabilities, behavior, and potentialities of persons with intellectual disabilities.

Prerequisites: a course in the areas of child psychology or child development.

EDEX 630 - Educational Procedures for Early Childhood Special Education (3 Credits)

An initial course in educational procedures focusing on intervention strategies for serving young children with disabilities in inclusive environments.

Prerequisites: EDEX 530.

EDEX 632 - Nature of Students with Emotional and Behavior Disabilities (3 Credits)

Characteristics, etiology, and major theoretical models for children experiencing emotional and/or behavioral problems in school; special education curriculum, programming alternatives, assessment, and issues concerning this population.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 640 - Managing Problem Behavior in the Classroom (3 Credits)

The development of a workable approach to classroom management through an examination of a research-based synthesis of current knowledge in classroom and behavior management.

EDEX 643 - Social/Emotional Development and Guidance for Young Children with Developmental Delays (3 Credits)

DEC Practices in Early Childhood Special Education, Assessing and Monitoring Children's Challenging Behavior, and Preventive Strategies for Challenging Behavior.

Prerequisites: EDEX 523.

EDEX 646 - Advanced Procedures for Assessment in Early Childhood Special Education (ECSE) (3 Credits)

Advanced assessment methods for serving young children with and without developmental delays and their families.

Prerequisites: EDEX 530.

EDEX 670 - Nature of Students with Multi-categorical Disabilities (3 Credits)

Personal, social, and educational implications of a mild to moderate multi-categorical disability (emotional/behavioral, intellectual, and learning disabilities) throughout the lifespan of an individual.

Prerequisites: C or better in EDEX 523.

EDEX 671 - Instruction of Students with Multi-categorical Disabilities (3 Credits)

Theory and application of current evidence-based procedures for teaching children with mild to moderate multi-categorical disabilities.

Prerequisite or Corequisite: C or better in EDEX 670.

EDEX 682 - Introduction to Braille (3 Credits)

Basic course for mastery of the literary braille code. Transcription of instructional materials in literary braille.

EDEX 685 - Nature of Students with Visual Disabilities (3 Credits)

The psychological, social, and educational implications for persons with visual disabilities; definitions, incidence, characteristics of, and rehabilitative and educational programs for persons with visual disabilities.

EDEX 686 - Introduction to Deafness (3 Credits)

Educational implications of philosophy, theory, and research about deafness.

Prerequisites: EDEX 523 or equivalent.

EDEX 687 - Communication Systems for Students who are Deaf or Hearing Impaired (3 Credits)

Knowledge and basic skills of finger-spelling and sign forms for communication.

EDEX 690 - Independent Study (1-3 Credits)**EDEX 691 - Collaborative Partnerships in PK-12 Special Education (3 Credits)**

Communication and collaboration skills and strategies for creating and maintaining effective partnerships with a variety of stakeholders involved in educating students with disabilities in PK-12 settings.

Prerequisites: EDEX 523 or PSYC 528.

EDEX 692 - Partnerships in Early Childhood Special Education (3 Credits)

Strategies for collaborating and communicating with families and other professionals as members of multidisciplinary teams in Early Intervention and Early childhood Special Education.

Prerequisites: EDEX 523.

Exercise Science (EXSC)

EXSC 191 - Physical Activity and Health (3 Credits)

Concepts of exercise, nutrition, behavior changes, and skills to promote lifelong physical activity and health.

EXSC 200 - Introduction to Sports Medicine and Athletic Training (3 Credits)

Examination of careers and specific practices within sports medicine, specifically athletic training.

Prerequisites: C or better in EXSC 223 and EXSC 223L.

EXSC 201 - Foundations of Physical Therapy (3 Credits)

Introduction to the profession and practice of physical therapy detailing the functions, disorders, and therapies of the major organ systems in applied context.

EXSC 223 - Anatomy and Physiology I (3 Credits)

The structure and functions of the human body: tissues, integument, skeletal, muscular, respiratory, and reproductive systems, and regulation of eating and metabolism.

Prerequisites: ENGL 102; BIOL 102; CHEM 111; MATH 122 or MATH 141.

EXSC 223L - Anatomy and Physiology I Laboratory (1 Credit)

Hands-on activities covering micro- and macroscopic anatomical topics including identification of tissues, bones and markings of the skeletal system, the joints, and the skeletal muscles of the body.

Prerequisites: ENGL 102; BIOL 102; CHEM 111; MATH 122 or MATH 141.

Prerequisite or Corequisite: EXSC 223.

EXSC 224 - Anatomy and Physiology II (3 Credits)

The structure and functions of the human body: nervous, cardiovascular, digestive, immune, urinary, and endocrine systems.

Prerequisites: C or better in EXSC 223 and EXSC 223L.

EXSC 224L - Anatomy and Physiology II Lab (1 Credit)

Hands-on activities covering the gross anatomy nervous, cardiovascular, digestive, and muscular systems.

Prerequisites: C or better in both EXSC 223 and EXSC 223L.

EXSC 275 - Functional Musculoskeletal Anatomy (2 Credits)

Human anatomy for allied health professions. Focus on anatomy relevant to providing health services; knowledge and skills of orthopedic anatomy relative to muscle, ligament, and tendon; muscle origins, insertions, innervations, and actions pertaining to joint motion.

Prerequisites: EXSC 223 and EXSC 223L.

Corequisite: EXSC 275L.

EXSC 275L - Functional Musculoskeletal Anatomy Lab (1 Credit)

Clinical application of human anatomy for allied health care professions using discussion, models, and charts. Anatomy relevant to providing health care to individuals.

Prerequisites: EXSC 223 and EXSC 223L.

Corequisite: EXSC 275.

EXSC 303 - Perceptual-Motor Development (3 Credits)

Theoretical foundations and observation of growth and motor development of children, age birth to 10 years. Observation will be provided via video and live subjects provided by the instructor.

Prerequisites: C or higher in both EXSC 224 and EXSC 224L.

EXSC 330 - Exercise Physiology (3 Credits)

The individual and combined roles of the major organ systems of the body in maintaining homeostasis during muscular exercise.

Prerequisites: C or better in EXSC 224 and EXSC 224L.

Corequisite: EXSC 330L.

EXSC 330L - Exercise Physiology Lab (1 Credit)

Laboratory procedures in exercise physiology; measurement of physical fitness components.

Prerequisites: EXSC 224 and EXSC 224L.

Corequisite: EXSC 330.

EXSC 335 - Biomechanics of Human Movement (3 Credits)

Kinetic and kinematic principles governing efficient human movement. Selected methods of analyzing human movement will be reviewed.

Prerequisites: C or better in EXSC 224, EXSC 224L, PHYS 201 and PHYS 201L.

EXSC 341A - Health Fitness Practicum (1 Credit)

First hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224.

Cross-listed course: EXSC 341B, EXSC 341C

EXSC 341B - Health Fitness Practicum (1 Credit)

Second hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A.

Cross-listed course: EXSC 341A, EXSC 341C

EXSC 341C - Health Fitness Practicum (1 Credit)

Third hour of a supervised practicum in a clinical setting for the Health Fitness Track.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A, EXSC 341B.

EXSC 342A - Practicum in Life-Span Motor Development (2 Credits)

Part I of a supervised practicum in a clinical setting in life-span motor development.

Prerequisites: EXSC 223, EXSC 224, EXSC 303.

Cross-listed course: EXSC 342B

EXSC 342B - Practicum in Life-Span Motor Development (2 Credits)

Part II of a supervised practicum in a clinical setting in a life-span motor development.

Prerequisites: EXSC 223, EXSC 224, EXSC 303, EXSC 342A.

Cross-listed course: EXSC 342A

Graduation with Leadership Distinction: GLD: Research

EXSC 343 - Practicum in Exercise Science (1-3 Credits)

Supervised practicum in a research or clinical setting for scientific-foundations track. Departmental special permission required.

Prerequisites: EXSC 223, EXSC 224.

EXSC 351 - Acquisition of Motor Skills (3 Credits)

Scientific and behavioral foundation of the learning and performance of motor skills.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 355 - Special Topics in Exercise Science (1-3 Credits)

Novel and emerging themes in exercise science. Content varies by instructor and title. May be repeated for a total of 6 credit hours as content varies by title.

EXSC 395 - Research Seminar in Exercise Science (3 Credits)

The research process in exercise science; participation in, presentation and discussion of current research.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 401 - Practicum Preparation (1 Credit)

Integration of major program of study and general education; issues of transition into senior practicum - EXSC 444.

Prerequisites: EXSC 330.

EXSC 410 - Psychology of Physical Activity (3 Credits)

Introduction to psychosocial factors in physical activity. Topics include mental health effects of exercise, behavior change theories applied to physical activity, and physical activity determinants and interventions.

Prerequisites: PSYC 101.

Cross-listed course: PSYC 401

EXSC 444 - Exercise Science Practicum (6 Credits)

Supervised experience in a field, clinical, or research setting. EXSC majors only.

Prerequisites: EXSC 401.

EXSC 454 - Health/Fitness Programs (3 Credits)

Design and implementation of health/fitness programs.

Prerequisites: EXSC 223, EXSC 224.

EXSC 464 - Conditioning Methods in Athletic Performance (3 Credits)

Students will learn how to perform pre-exercise assessments, develop appropriate exercise training programs based on these assessments, as well as lead and demonstrate safe and effective methods of exercise by the application of the primary theories and principles of exercise science.

Prerequisites: C or better in both EXSC 224 and EXSC 224L

EXSC 481 - Practicum in Community Fitness Programs (9 Credits)

Supervised experience in the administration of community-based fitness programs. Concurrent seminar with the supervising instructor.

Prerequisites: EXSC 223, EXSC 224, EXSC 341A, EXSC 330, EXSC 330L, EXSC 531.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EXSC 482 - Internship in Life-Span Motor Development (9 Credits)

Supervised practical experience in clinical and/or field setting; individualized program and activity planning, and evaluation of neuromuscular abilities.

Prerequisites: EXSC 223, EXSC 224, EXSC 303, EXSC 342A, EXSC 342B.

EXSC 483 - Internship in Scientific Foundations (3 Credits)

Supervised experience in a clinical, field, or research setting. Restricted to Exercise Science Majors; Junior and Senior Level Standing.

Prerequisites: EXSC 223, EXSC 224.

EXSC 499 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor.

Prerequisites: EXSC 223, EXSC 224.

Graduation with Leadership Distinction: GLD: Research

EXSC 507 - Exercise, Sport, and Nutrition (3 Credits)

The relationship between exercise, sport performance, and nutrient metabolism.

Prerequisites: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

EXSC 531 - Clinical Exercise Physiology (3 Credits)

Scientific bases of clinical exercise programming. The fitness instructor's role in encouraging changes in exercise behavior.

Prerequisites: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

Corequisite: EXSC 531L.

EXSC 531L - Clinical Exercise Physiology Lab (0 Credits)

Prerequisite: EXSC 223, EXSC 224, EXSC 330, EXSC 330L.

EXSC 541 - Physiological Basis for Strength and Conditioning (3 Credits)

Investigation on the physiological basis for strength and conditioning. Principles of strength and conditioning through lecture based learning, demonstrations, and through laboratory activities.

Prerequisites: C or better in EXSC 330.

EXSC 555 - Current Topics in Exercise Science (1-3 Credits)

Content varies by title. Course may be repeated for a total of 6 credit hours.

EXSC 562 - Impairments of the Human Motor System (3 Credits)

Role of motor development in the growth and development of individuals exhibiting impaired motor control.

Prerequisites: biology, anatomy, physiology, or the equivalent.

EXSC 563 - Physical Activity and the Physical Dimensions of Aging (3 Credits)

The effects of age and physical activity on physical and motor functions of elderly individuals.

Prerequisites: EXSC 223, EXSC 224, EXSC 351, EXSC 330, EXSC 330L.

EXSC 585 - Women's Health and Physical Activity (3 Credits)

Sex differences in diseases, physiological function of sex hormones, hormonal changes in a woman's life, specific women's health issues, and role of physical activity and exercise in prevention and treatment of conditions and diseases specific to women or related to sex hormones. Restricted to 30 students, Special Permission by Instructor.

EXSC 608 - Apps, Wearables and Technology for Lifestyle Behavior Change and Weight Loss (3 Credits)

The course will increase students' understanding of the theoretical foundations, scientific evidence and practical application of technology-assisted lifestyle interventions, with an emphasis on behavioral weight control for adults.

Prerequisites: C or better in EXSC 410.

EXSC 620 - Nutrition and Immunology (3 Credits)

Examination of the interrelationships that link human nutrition to the immune system in health and disease. Topics will include basic immunology, overview of nutritional sources, deficiencies and excesses, and the impact on public health issues such as exercise, disease and aging.

Prerequisites: EXSC 330.

EXSC 626 - Cardiorespiratory Exercise Physiology (3 Credits)

Examination of the anatomy and function of the cardiovascular and respiratory systems of the exercising human organism, including acute adjustments and chronic adaptations to the systems.

Prerequisites: EXSC 330.

EXSC 641 - Neuromuscular Basis of Functional Strength Training (3 Credits)

The aim of this course is to acquire a fundamental understanding of how concepts from motor learning, neurophysiology, and muscle physiology are applied to functional strength training.

Prerequisites: C or better in EXSC 330, EXSC 330L, EXSC 351.

EXSC 651 - Analysis of Everyday Motor Behavior (3 Credits)

Students in this course will analyze everyday activities to gain insight into how humans plan, initiate, execute and refine motor skills. Students will also learn how to evaluate research on motor behavior and how to create novel studies aimed at advancing our understanding of everyday motor behavior.

Prerequisites: C or better in EXSC 351.

EXSC 663 - Environmental Exercise Physiology (3 Credits)

This course is designed to provide students a survey of physiological responses to a variety of environments, such as heat, cold, altitude, and microgravity environments, and how the body acclimatizes to these environments with regards to exercise training.

Prerequisites: C or better in EXSC 330 and EXSC 330L.

EXSC 666 - Cardiorespiratory Exercise Physiology (3 Credits)

Examination of the anatomy and function of the cardiovascular and respiratory systems of the exercising human organism, including acute adjustments and chronic adaptations to the systems.

Prerequisites: EXSC 330.

EXSC 669 - Skeletal Muscle Physiology: Form and Function (3 Credits)

Skeletal muscle physiology and exercise through select laboratory experiences and discussion of related research literature.

Prerequisites: C or better in both EXSC 330 and EXSC 330L.

EXSC 695 - Writing and Presenting in Research (3 Credits)

The research process in Exercise Science through participation, presentation, and discussion of current research.

Prerequisites: EXSC 224.

Film and Media Studies (FAMS)

FAMS 110 - Media Culture (3 Credits)

Introduction to the critical study of film, video, photography, audio, and new media.

Cross-listed course: MART 110

Carolina Core: AIU

FAMS 180 - Film Culture (3 Credits)

How the film industry developed and the impact the movies have had on global popular culture. Does not count toward the film studies major.

Carolina Core: AIU

FAMS 240 - Film and Media Analysis (3 Credits)

Introduction to the critical study of film and media. Students will closely analyze moving images and develop written arguments about film and media.

Carolina Core: AIU

FAMS 300 - Film and Media History (3 Credits)

Surveys the development of cinema and related media from the 1820s to the present. Attention to the relations among key technological, cultural, and industrial changes, their causes, and consequences.

Carolina Core: GHS

FAMS 301 - Media, Power & Everyday Life (3 Credits)

Foundational approaches to media as a means of defining and distributing social power in everyday life.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 308 - Global Media Industries (3 Credits)

Provides the foundation for the study of globalized film and media industries.

Cross-listed course: GLST 308

FAMS 310 - Special Topics In Popular Media (3 Credits)

Intensive study of a specific topic in popular film and media. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 311 - Classical Hollywood Cinema (3 Credits)

Survey of Classical Hollywood Cinema in aesthetic, cultural, political, and economic contexts.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 316 - Music and the Hollywood Film (3 Credits)

Examination of how music guides audience interpretation and shapes Hollywood film style.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 325 - Superheroes across Media (3 Credits)

Examination of the superhero within and across media, industries, and eras addressing topics such as genre, style, seriality, remediation, franchising, and fandom.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 350, or ENGL 350.

FAMS 328 - The Blockbuster (3 Credits)

Examination of the post-1975 blockbuster film phenomenon with an emphasis on marketing, finance, and reception.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 330 - Special Topics in Non-Film Media (3 Credits)

Intensive study of a specific topic concerning a medium or mediums other than film. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisites: C or better in FAMS 240 or FAMS 300.

FAMS 332 - American Television (3 Credits)

Examination of American television as an industry, art form, medium of social representation, and set of viewer practices.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 338 - Contemporary British Television Industry (3 Credits)

Examination of industrial structures, network histories, production cultures, and regulation contexts of contemporary British television.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 350 - Introduction to Comics Studies (3 Credits)

Scholarly study of the formal and aesthetic evolutions of graphic novels, comic books, and other related forms.

Cross-listed course: ENGL 350

FAMS 360 - Special Topics in Global Media (3 Credits)

Intensive study of a specific topic in film and media centered outside the U.S. May be repeated up to three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 361 - Middle East on Screen (3 Credits)

Examines representations of the Middle East on screen within multiple media-making traditions and considers their aesthetic, political, and ethical dimensions.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 363 - Hong Kong Action Cinema (3 Credits)

Survey of the transnational history of Hong Kong action cinema and introduction to critical approaches through which it has been studied.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 365 - Screening China (3 Credits)

Survey of Chinese language cinema. Chinese film history and vocabulary with which to discuss film texts. Covers classic leftwing cinema, Hong Kong martial arts films, as well as the Hong Kong, Taiwan, and PRC New Waves. Taught in English. Films subtitled.

Cross-listed course: CHIN 365

FAMS 380 - Special Topics in Alternative Media (3 Credits)

Intensive study of a specific topic concerning film and media forms and/or practices outside the commercial mainstream. May be repeated as many as three times for a total of nine credit hours as content varies by title.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 381 - History of Experimental Film (3 Credits)

Survey of key examples and tendencies in the history of experimental film.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 383 - Documentary Studies (3 Credits)

History, theory, and practices of documentary film and media.

Prerequisite or Corequisite: C or better in FAMS 240 or FAMS 300.

FAMS 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and program director is required.

Graduation with Leadership Distinction: GLD: Research

FAMS 470 - Genre Studies Film & Media (3 Credits)

Critical study of a popular genre (e.g., horror, science fiction, melodrama), or set of genres, in film and media. Course content varies and will be announced in the schedule of courses by title. May be repeated as topics vary.

FAMS 499 - Internship in Film and Media Studies (3 Credits)

Internship in Film and Media Studies. (Variable) Supervised professional experience working with media production, distribution, exhibition, archiving, and/or education.

Prerequisite or Corequisite: C or better in FAMS 308.

FAMS 510 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 569, MART 592

FAMS 511 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 551, MART 591

FAMS 566 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ENGL 566, MART 593

FAMS 581 - Critical Interactives (3 Credits)

Foundational techniques in multidisciplinary software development, specifically of applications designed to present sensitive, sometimes controversial, materials in ways to engender empathic awareness of the interactor.

Cross-listed course: CSCE 571

FAMS 598 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FORL 598, MART 594

Graduation with Leadership Distinction: GLD: Global Learning

Finance (FINA)

FINA 101 - Introduction to Personal Finance (1 Credit)

Course will provide a basic framework for student personal financial management while in college. Topics include money management skills, banking, credit cards, creditworthiness, credit reports, students loans, identity theft, and basic taxes.

FINA 301 - Money and Banking (3 Credits)

The role of money in the market economy. Commercial banks, the Federal Reserve System, and monetary policy.

Prerequisites: ECON 221 and ECON 222, or ECON 224.

FINA 333 - Finance and Markets (3 Credits)

In-depth introduction to the world of finance. Interaction of individuals and companies with financial markets.

Prerequisites: ECON 224 or ECON 221 and ECON 222, ACCT 222.

FINA 341 - Management of Risk and Insurance (3 Credits)

Introduction to decision making under uncertainty and overview of how various markets allow individuals and organizations to diversify risk. Includes measurement of risk, behavioral bias in decision making under uncertainty, diversification of risk, the role of capital in ensuring performance, moral hazard, adverse selection, insurance pricing, and applications to public policy issues such as health care, catastrophe risk, and safety regulation.

Prerequisite or Corequisite: FINA 363.

FINA 363 - Introduction to Finance (3 Credits)

Basic concepts of finance related to decision making.

Prerequisites: C or better in ECON 221, ACCT 225, and STAT 206.

FINA 364 - Financial Institutions (3 Credits)

A study of the functions and operations of financial institutions and their relationships to the commercial banking system and the general economy. Attention is devoted to savings institutions, insurance companies, rural and urban real estate credit, consumer credit, and associated topics.

FINA 365 - Corporate Financial Analysis (3 Credits)

Analysis of business investment and financing decisions.

Prerequisites: C or better in FINA 363.

FINA 366 - Introduction to Real Estate and Urban Development (3 Credits)

Real estate analysis and administration; basic principles, concepts, terminology, and institutional factors related to real estate decisions in the urban environment. This course fulfills a pre-examination requirement of the South Carolina Real Estate licensing law (30-hour approved course).

Prerequisites: FINA 363.

FINA 367 - Real Estate Market Analysis (3 Credits)

Concepts, methodologies, and analytical tools used in urban real estate analysis.

Prerequisites: FINA 366.

FINA 369 - Personal Finance (3 Credits)

Life insurance, health insurance, wills, trusts, Social Security, stocks, bonds, real estate, mutual funds, and other uses of funds.

FINA 442 - Life and Health Insurance (3 Credits)

Individual financial management of economic losses caused by premature death, disability, and old age; functional aspects of life-health insurer management.

Prerequisites: C or better in FINA 341 and FINA 363.

FINA 443 - Property and Liability Insurance (3 Credits)

Functional aspects of property-liability insurer management and operations including detailed treatment of pricing, risk assessment, marketing, investment, contract design, financial statement analysis, and regulation.

Prerequisites: C or better in FINA 341 and FINA 363.

FINA 444 - Corporate Risk Management (3 Credits)

Tools and concepts used by corporations in managing all types of risk with a focus on the use of derivatives and insurance. Analysis of when risk reduction is beneficial.

Prerequisites: C or better in FINA 341, FINA 363, and MGSC 291.

FINA 445 - Employee Benefits (3 Credits)

Management of employer-sponsored benefits, especially group life, health, and retirement plans; emphasis on plan design and administration, cost, funding, regulation, and tax considerations.

Prerequisites: FINA 341.

FINA 446 - Insurance Operations (3 Credits)

Innovative insurance operations to compete in the modern world.

Prerequisites: C or better in FINA 341 and FINA 363.

FINA 463 - Case Studies in Corporate Finance (3 Credits)

Application of financial concepts and tools to corporate decisions.

Prerequisites: FINA 365.

FINA 464 - Financial Innovation (3 Credits)

Explores the history, current environment, and near term outlook of financial innovation (FinTech), focusing on applications of Blockchain technology and Machine Learning tools. The course is designed to provide hands on experience in writing a "smart contract" using a blockchain and in applying machine learning tools.

Prerequisites: C or better in FINA 365 or FINA 465 or FINA 469.

FINA 465 - Commercial Bank Practice and Policy (3 Credits)

Fundamental principles underlying the employment of bank funds. Allocation of funds among the various classes of loans and investments to bank operating costs and to changing bank practices.

Prerequisites: FINA 363.

FINA 466 - Real Estate Investment Fundamentals (3 Credits)

Analysis and decision-making; return and risk; financing; tax implications; pricing and investment strategies.

Prerequisites: FINA 366 or FINA 469.

FINA 467 - Real Estate Finance (3 Credits)

The nature and importance of credit in real estate development and operations; legal framework, sources of mortgage funds, role of public and private financial institutions.

Prerequisites: FINA 366 or FINA 469.

FINA 468 - Real Estate Appraisal (3 Credits)

Traditional appraisal concepts and methodologies; appraisal process, real property analysis.

Prerequisites: FINA 366.

FINA 469 - Investment Analysis and Portfolio Management (3 Credits)

Conceptual and analytical framework for formulating investment policies, analyzing securities, and constructing portfolios.

Prerequisites: C or better in FINA 363 and MGSC 291.

FINA 470 - Financial Statement Analysis (3 Credits)

This course focuses on the analysis of financial statements for profitability and risk assessment and for firm and segment valuation.

Prerequisites: ACCT 225 and ACCT 226 and FINA 363.

Cross-listed course: ACCT 470

FINA 471 - Derivative Securities (3 Credits)

Options, forward and futures contracts, and swap contracts are analyzed, along with their uses in risk management, portfolio management, and corporate financing. Markets where these contracts trade will be examined.

Prerequisites: FINA 469.

FINA 472 - Student-Managed Investments (3 Credits)

Hands-on experience in investment analysis; managing a real portfolio, decision-making in the design of a portfolio management process, asset allocation, security selection, and risk management. Enrollment in this course requires a special permission from the instructor.

Prerequisites: C or better in MGSC 291.

Prerequisite or Corequisite: C or better in FINA 469.

FINA 473 - Corporate Governance and Agency Conflicts (3 Credits)

Exploring conflicts of interest between corporate managers and the providers of capital, and studying various mechanisms to address the misalignment of incentives and therefore restore firm value.

Prerequisites: C or better in FINA 363.

FINA 475 - Fixed Income Securities (3 Credits)

Examine fundamental principles of fixed-income securities and fixed-income valuation models.

Prerequisites: FINA 469.

FINA 476 - Foundations of Capitalism (3 Credits)

Examines the foundations of capitalism and why it has prevailed over alternative systems. Topics include the justification of private property, distribution of wealth, profit motive, source of wealth creation, and others.

Prerequisites: ECON 221 and ECON 222.

FINA 477 - Real Estate Development (3 Credits)

Introduction to the real estate development process with emphasis on analyzing the feasibility of design, location, and construction. Students will learn to identify and evaluate critical issues related to market and site feasibility, financial feasibility, planning, acquisition, and operation of viable real estate projects.

Prerequisites: C or better in FINA 366.

FINA 480 - Global Real Estate Capital Markets (3 Credits)

Global institutional investment in real estate; international capital markets viewed from the perspective of real estate investment and finance professionals.

Prerequisites: FINA 366.

FINA 490 - Special Topics in Finance (1-3 Credits)

1-3 credit hours for up to 9 credit hours total.

FINA 499 - Business Internship in Finance, Real Estate and Insurance (3-6 Credits)

Supervised work experience as approved by department. Generally three hours of academic credit, but upon special request of supervising professor and approval of appropriate area director, an internship may carry a maximum of six credit hours. Pass-Fail only. Internship contract required.

Prerequisites: C or better in FINA 363, cumulative GPA of 2.8.

FINA 666 - Real Estate and Urban Development (3 Credits)

An overview of real estate in both the public and private sectors that serves as the basis for advanced study in the various disciplines of real estate and urban development. No prior knowledge of the field is assumed.

Foreign Languages (FORL)

FORL 398 - Selected Topics (3 Credits)

Studies in language not otherwise taught. May include a cultural and/or linguistic component.

FORL 448 - Teaching Internship in Foreign Languages (3 Credits)

Application of effective teaching techniques and organization of instructional settings in foreign languages for K-12.

Prerequisites: admission to the professional program in education.

Cross-listed course: EDTE 448

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

FORL 472 - Introduction to Technology in Language Education (3 Credits)

Acquaints students with principles and practices concerning the use of technology in foreign language teaching. Explores connection between second language acquisition and the implementation of Internet and multimedia technologies.

Cross-listed course: LING 472

FORL 474 - Directed Teaching in Foreign Languages (15 Credits)

Students apply methods of curriculum and assessment, professionalism, effective teaching, and organization of instructional settings during internship in foreign language classroom.

Prerequisites: admission to the professional program in education.

Cross-listed course: EDTE 474

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

FORL 501 - Spanish for Medical Personnel (3 Credits)

Basic course in health professions. Functional language and lexicon as well as cultural practices for interaction with Hispanic clients.

Prerequisites: 2 semesters of college-level Spanish or equivalent.

FORL 510 - Teaching Second Languages to Young Children (3 Credits)

To assist prospective teachers of young children in the development of a second language and multicultural learning activities. Practicum sessions are an integral part.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: EDEL 510

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

FORL 511 - Teaching Foreign Languages in Secondary Schools (3 Credits)

Current methods, techniques, and materials of instruction appropriate for secondary schools.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: EDSE 575

FORL 598 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 598, MART 594

French (FREN)

FREN 109 - Beginning French I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission to FREN 109 restricted to those who have never studied French, who have not studied French in the previous five years, or who have a score of F-1 on the placement test.

Carolina Core: GFL

FREN 110 - Beginning French II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission to 110 restricted to those who have completed FREN 109. Credit may be received only for one of the following: FREN 109/FREN 110 or FREN 121.

Prerequisites: FREN 109.

Carolina Core: GFL

FREN 121 - Elementary French (3 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in French. Admission to FREN 121 restricted to those who have a score of F-2 on the placement test. Credit may be received for only one of the following: FREN 109/FREN 100 or FREN 121.

Carolina Core: GFL

FREN 122 - Basic Proficiency in French (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: FREN 110, FREN 121 or placement score of F-3.

Carolina Core: GFL

FREN 209 - Reading and Written Expression (3 Credits)

Readings in French; grammar, basic writing, and composition.

Prerequisites: FREN 122 or score of F-5 on placement exam.

FREN 210 - Oral Communication (3 Credits)

Practice in conversation involving authentic listening materials; vocabulary building.

Prerequisites: FREN 122 or score of F-5 on placement exam.

FREN 290 - French Literature in Translation (3 Credits)

Readings and discussion in English, with consideration of the cultural context.

Carolina Core: AIU

FREN 295 - Topics in French Culture (3 Credits)

Intensive one-term study of a particular topic identified by title. Taught in English.

Prerequisites: FREN 110, FREN 121, or equivalent.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

FREN 300 - French Phonetics (3 Credits)

Analysis of and practice in pronunciation and listening comprehension.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

Cross-listed course: LING 316

FREN 307 - Advanced Oral Practice (1 Credit)

Development and maintenance of speaking and listening skills at the advanced level. Offered Pass-Fail only. May be repeated.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

FREN 309 - Reading French Texts (3 Credits)

Reading, discussion, and written analysis of French texts, both literary and nonliterary.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. Not open to students with a score of F-7.

FREN 310 - Advanced Oral Communication (3 Credits)

Current issues and events presented in French-language media. Discussion and presentations in French provide practice with advanced structures and idiomatic speech.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. Not open to students with score of F-7.

FREN 311 - French Composition (3 Credits)

Practice in French composition; intensive review of French grammar.

Prerequisites: Grades of C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam. FREN 309 strongly recommended. Not open to students with score of F-7.

FREN 316 - Introduction to Business French (3 Credits)

Practical oral and written communication in a commercial context; introduction to business terminology and correspondence.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents.

FREN 330 - The French Theatre Experience (3 Credits)

Project work in the production of plays in French. Includes readings in and public performance of French theatre and related materials.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents.

FREN 350 - French Language Study Abroad (1-6 Credits)

Intensive language practice with special attention to oral skills. Classroom instruction by native speakers.

FREN 351 - Service Learning in the French-Speaking World (3 Credits)

Cultural and linguistic service-learning experience in a French-speaking environment. Course may be repeated once in a different location.

Prerequisites: FREN 209 or 210.

FREN 397 - The French Film Experience (3 Credits)

An introduction to the history of the French film, with special emphasis on the aesthetic appreciation of the films in their artistic and cultural context. Films in French, with English subtitles. Taught in English. To be counted towards FREN major or minor.

Prerequisites: C or better in both FREN 209 and FREN 210 are required, and FREN 309 is strongly recommended.

FREN 398 - Selected Topics in French & Francophone Culture (3 Credits)

Intensive study of selected topics of the French-speaking world. May be repeated for credit under a different title. May not be counted for major or minor credit. Note: Taught in English. To be counted towards FREN major or minor.

Prerequisites: C or better in both FREN 209 and FREN 210 are required, and FREN 309 is strongly recommended.

FREN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-6 on the French language placement exam.

Graduation with Leadership Distinction: GLD: Research

FREN 400 - French Cultural History (3 Credits)

French history and the arts from early times through the Napoleonic era.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 416 - Advanced Business French (3 Credits)

Commercial organizations and businesses in France. Practical business correspondence. Terminology and techniques in commercial transactions with the Certificat Pratique of the Paris Chamber of Commerce in view. Taught in French.

Prerequisites: FREN 316.

FREN 450 - Topics in Literature (3 Credits)

May be repeated for credit.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 451 - French Literature and Culture Before 1800 (3 Credits)

Study and discussion of French works written before 1800 within their cultural and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 452 - French Literature and Culture After 1800 (3 Credits)

Study and discussion of French works written after 1800 within their cultural and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 453 - Francophone Literatures and Cultures (3 Credits)

Study and discussion of works from French-speaking societies outside France, with attention to their cultural contexts and historical contexts.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

Graduation with Leadership Distinction: GLD: Global Learning

FREN 499 - Senior Thesis (3 Credits)

Graduation with Leadership Distinction: GLD: Research

FREN 501 - Contemporary France (3 Credits)

Readings in and discussion of the culture of contemporary France.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 510 - Current Events in the France and the Francophone World (3 Credits)

Development of advanced oral skills in French. Study of linguistic and cultural aspects of French language media.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 511 - Techniques of Literary Analysis (3 Credits)

Texts from standard authors, with emphasis on explication de texte.

Prerequisites: C or better in each of FREN 309, FREN 310, and FREN 311, or equivalents, or a score of F-7 on the French language placement exam.

FREN 515 - Advanced French Stylistics (3 Credits)

Practice in descriptive and narrative composition with special attention to contrastive stylistics; thème et version.

Prerequisites: C or better in each of FREN 309, FREN 310, and FREN 311, or equivalents, or a score of F-7 on the French language placement exam.

FREN 516 - French Phonology (3 Credits)

The sound system and its functioning in the morphological system of French from the point of view of current phonological theory.

Cross-listed course: LING 512

FREN 517 - French Linguistics (3 Credits)

The structure, morphology, and syntax of modern French.

Cross-listed course: LING 502

FREN 595 - Special Topics in French (3 Credits)

Poetry, prose, theatre, cinema, civilization, language, linguistics. Unique opportunities will be announced by title. May be repeated.

Prerequisites: C or better in both FREN 309 and FREN 310, or equivalents, or a score of F-7 on the French language placement exam. FREN 311 strongly recommended.

FREN 615 - Intensive Readings in French (3 Credits)

Graduate students fulfill their foreign-language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only. Grades S/U for graduates and undergraduates.

Genetic Counseling (HGEN)

HGEN 400 - Genetic Counseling: Career for the Future (1 Credit)

Introduction to the genetic counseling profession including professional literature and online resources. Preparation for graduation education in genetic counseling.

Geography (GEOG)

GEOG 103 - Introduction to Geography (3 Credits)

A survey of the principles and methods of geographic inquiry. Not required for the geography major.

Carolina Core: GSS

GEOG 104 - Introduction to Physical Geography (3 Credits)

Basic concepts of landform geography, climatology and meteorology, and biogeography.

Carolina Core: SCI

GEOG 105 - The Digital Earth (3 Credits)

Introduction to geographic data; use of digital maps and aerial/satellite images as means of Earth observation; basics of spatial data analysis; location-based Web APPs; digital map services.

Carolina Core: ARP

GEOG 121 - Globalization and World Regions (3 Credits)

Introduction to political, economic, social, and environmental processes of global integration and regional differentiation.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

GEOG 201 - Landform Geography (4 Credits)

Hydrology, soil science, and interpretation of physical features formed by water, wind, and ice, with emphasis on environmental change. Three hours of lecture and one two-hour laboratory per week.

Carolina Core: SCI

GEOG 202 - Weather and Climate (4 Credits)

Processes that influence weather and climate patterns on the earth. Three lectures and one two-hour laboratory per week.

Carolina Core: SCI

GEOG 210 - Peoples, Places, and Environments (3 Credits)

Basic principles of human geography.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

GEOG 221 - Geography of South Carolina (3 Credits)

An intensive regional analysis of South Carolina. Selected phenomena such as urbanization, industrialization, land use, the physical environment, and their interrelationships.

Carolina Core: GSS

GEOG 223 - Geography of Latin America (3 Credits)

Physical and human geography of Latin America.

Cross-listed course: LASP 331

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 224 - Geography of North America (3 Credits)

Physical and human geography of North America with emphasis on the United States.

Carolina Core: GSS

GEOG 225 - Geography of Europe (3 Credits)

Physical and human geography of Europe.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 226 - Geography of the Middle East (3 Credits)

A regional geographic approach to the environmental, social, economic, and political aspects of the Middle East (Southwest Asia and north Africa) with emphasis on contemporary problems.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 228 - Geography of Sub-Saharan Africa (3 Credits)

A regional approach to the physical, social, economic, and political aspects of Sub-Saharan Africa with emphasis on contemporary problems.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 285 - Introduction to Drones for Airborne Spatial Data (3 Credits)

This course is an introduction to the use of small unmanned aerial systems (UAS) in collecting/processing imagery for mapping/information analysis. Course content includes UAS characteristics, small camera considerations, project planning and processing, and legal requirements in the United States and selected European countries.

GEOG 310 - Topics in Geography (3 Credits)

Selected topics of special interest in geography. May be repeated as content varies by title.

GEOG 311 - Cultural Geography (3 Credits)

The temporal-spatial relationship between humans and the natural environment with emphasis on the role through time of human activity in changing the face of the earth.

GEOG 312 - Geography and Global Geopolitics (3 Credits)

Geographic perspectives on problems in international relations. Political geographic analysis of contemporary world problems.

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 313 - Economic Geography (3 Credits)

Spatial interrelation and linking of economic activities and how location affects the nature of economic systems.

GEOG 319 - Cities in a Changing World (3 Credits)

An overview of historical and contemporary urban development and growth, with an emphasis on post-colonial and non-Western contexts.

GEOG 321 - Sustainable Cities (3 Credits)

Overview of the relationships between urbanization and environmental processes and an exploration of pathways to greater sustainability.

GEOG 324 - Landscapes of the United States (3 Credits)

Geographic change through time in the United States, with emphasis on evolution of the American landscape. Physical environment as modified by human intervention over time within a regional framework.

GEOG 330 - The Geography of Disasters (3 Credits)

The study of disasters, their triggering mechanisms (natural, human, technological), their spatial distributions from local to global scales, and associated human responses.

GEOG 341 - Cartography (3 Credits)

Introduction to the theory and principles of map construction including discussions of equipment and materials, lettering and symbolization, scale and generalization, data manipulation and representation. Presentation of geographic information on maps.

GEOG 343 - Environment and Society (3 Credits)

A geographic consideration of the interactions between environment and society. The ways in which social, economic, and cultural processes interact across local to global scales and influence environmental practices, policies, and patterns of change will be emphasized.

GEOG 344 - Geographies of American Cities (3 Credits)

Overview of the development of American cities from industrial period to the present. Special attention given to the political, economic, social processes that shape urban space and urban ways of life.

GEOG 345 - Interpretation of Aerial Photographs (3 Credits)

Theory and use of basic photo interpretation instruments and methods. Practice in acquiring and interpreting data from aerial photography for use in the physical and social sciences.

GEOG 346 - Climate and Society (3 Credits)

Major theories and methodologies for studying the relationship between climate and society.

GEOG 347 - Water as a Resource (3 Credits)

Introduction to spatial and institutional aspects of water availability, demand, and quality. Water storage/conveyance strategies and facilities. Real and perceived flood, drought hazards.

GEOG 348 - Biogeography (3 Credits)

Spatial distributions of plants and animals as they relate to historical biogeographic patterns and human impact on the biosphere.

GEOG 349 - Cartographic Animation (3 Credits)

Introduction to theories and principles of cartographic animation.

Prerequisites: GEOG 341 or GEOG 363.

GEOG 360 - Geography of Wind (3 Credits)

Fundamental principles of wind formation, measurement, and its impacts on the natural and human environment – landscape, human settlement and health, transportation, and energy.

GEOG 363 - Geographic Information Systems (3 Credits)

Introduction to principles and methods of geographic information systems including discussion of computers, spatial data, analysis, and display. Includes discussion of applications and hands-on experience.

GEOG 365 - Hurricanes and Tropical Climatology (3 Credits)

Atmospheric circulation, structure, and processes of tropical climates and hurricanes. Forecasting and model simulations of hurricanes. Temporal variations of tropical climate change and hurricanes.

GEOG 370 - America's National Parks (3 Credits)

Resource, managerial, and recreational-use components of the national park system; contemporary issues, problems, and managerial alternatives.

GEOG 371 - Air Pollution Climatology (3 Credits)

Fundamentals, processes, and issues associated with air pollution. Emphasis is on the role of the atmosphere, how air pollution affects surface climate, and how climate and meteorology influence air quality.

GEOG 378 - World Tourism Geography (3 Credits)

Geographic analysis of tourism in America and selected world regions; demand, supply, transportation, and cultural/environmental impact of tourism and travel.

GEOG 380 - Global Geography of Human Rights (3 Credits)

Geopolitical, historical, cultural, and economic geographies of human rights around the world; issues of development, environment, health, inequality, violence.

GEOG 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GEOG 495 - Seminar in Geography (3 Credits)

Research methods and projects; restricted to students with at least 15 hours of credit in geography. Restricted to students with at least 15 hours of credit in geography.

Graduation with Leadership Distinction: GLD: Research

Experiential Learning: Experiential Learning Opportunity

GEOG 497 - Special Topics: Service Learning in Geography (1 Credit)

Service learning experience in conjunction with designated Geography courses. Direct, hands-on service experience with an agency, voluntary organization, or community-based project. May be repeated, as content varies by title. Students enrolled in designated Geography courses by Instructor permission.

Corequisite: Must be taken simultaneously with designated Geography courses, levels 200 and above.

Experiential Learning: Experiential Learning Opportunity

GEOG 498 - Undergraduate Research (3 Credits)

Research on a significant geography problem in the local environment. Emphasis will be on the development of relatively individualized experiences in scientific investigation.

Graduation with Leadership Distinction: GLD: Research

GEOG 499 - Senior Thesis (3 Credits)

Senior research thesis on a problem of fundamental geographic significance, supervised by faculty member; must include a written final project report.

Graduation with Leadership Distinction: GLD: Research

GEOG 510 - Special Topics in Geographic Research (3 Credits)

Selected topics of special interest in geography. May be repeated as content varies by title.

GEOG 511 - Planning and Locational Analysis (3 Credits)

Scientific approaches to locational problems in urban and regional planning, including regional growth and decline, land use control, public facility location and provision, and locational efficiency.

GEOG 512 - Migration and Globalization (3 Credits)

A survey of the political, economic, and social causes and consequences of migration. Topics include immigration policy, border control, settlement patterns, transnationalism, multiculturalism, and integration. Selected contemporary and historical cases.

Prerequisites: GEOG 210.

GEOG 515 - Political Geography (3 Credits)

Concepts of space and power and their relationship to polities, elections, geopolitics, identities, law, economics, populations, and civil society.

GEOG 516 - Coastal Zone Management (3 Credits)

Analysis of the competing demands for limited resources in the coastal zone with emphasis on the role of management in the resolution of conflicts over resource use.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

GEOG 517 - Socionatural Coastlines in Global Perspective (3 Credits)

A discussion-based seminar course that examines nature-society relations in coastal regions globally. The course will use social theory to understand how uneven development processes shaped – and continue shaping – current coastlines. We will explore key topics including coastal capitalism, delta ecologies, and climate justice via several global case studies.

Cross-listed course: ENVR 517

GEOG 521 - Landscapes of South Carolina (3 Credits)

An examination of the factors responsible for creating the contemporary South Carolina cultural landscape.

GEOG 525 - Geographical Analysis of Transportation (3 Credits)

Analysis of transportation systems and the application of geographic tools to transportation planning.

GEOG 530 - Environmental Hazards (3 Credits)

Human and environmental contributions to the generation and management of hazards originating from extreme natural events to technological failures. Contemporary public policy issues at the national and international level.

GEOG 531 - Quantitative Methods in Geographic Research (3 Credits)

A survey of basic quantitative approaches for handling and interpreting geographically related data; univariate and bivariate procedures applicable to a variety of problems.

GEOG 535 - Hazards Analysis and Planning (3 Credits)

Examination of the geo-spatial aspects of hazards analysis and planning with specific reference to disaster preparedness, recover, mitigation, and resilience.

Prerequisites: GEOG 363 and GEOG 530, or equivalents.

GEOG 538 - Global Food Politics (3 Credits)

Political, social, and cultural landscapes of food and farming around the world; issues of agricultural production, trade, consumption, and food security.

Cross-listed course: ENVR 538

GEOG 541 - Advanced Cartography (3 Credits)

Planning, compiling, constructing, and evaluating thematic maps. Theory and practice in scribing, separation and screening, color proofing, and map reproduction. Discussions of the process of map communication and the ways the cartographer can improve that communication.

Prerequisites: GEOG 341.

GEOG 542 - Dynamic Cartography (3 Credits)

Theories and principles of interactive and animated cartographic design.

Prerequisites: GEOG 341.

GEOG 544 - Geography of the City (3 Credits)

The influence of political boundaries, historical forces, settlement patterns, and transportation processes on urban life.

GEOG 545 - Synoptic Meteorology (4 Credits)

Analysis of synoptic-scale circulation using weather maps, soundings, cross sections, thermodynamic diagrams, numerical models, and imagery.

Prerequisites: GEOG 202 or equivalent.

GEOG 546 - Applied Climatology (4 Credits)

Analysis of climate applications in natural and human-modified environments. Content may include water resources, solar energy, urban planning, air quality, agriculture, and tourism. Course work includes lab and field experimentation.

GEOG 547 - Fluvial Geomorphology (3 Credits)

Introduction to landforms and processes associated with flowing water at the earth's surface. Hydrology, sedimentology, and theories of channel formation and drainage basin evolution.

GEOG 549 - Water and Watersheds (3 Credits)

Spatial variation of hydrology, water quality, and water-related hazards, including runoff generation, soil erosion, sedimentation, and flood hazards. Emphasizes a watershed perspective using geographic data and methods.

Prerequisites: GEOG 347, GEOL 371, or ECIV 360.

GEOG 551 - Principles of Remote Sensing (3 Credits)

Introduction to remote sensing. A variety of imaging systems including black and white, color, and high altitude color infrared photographs, LANDSAT, thermal infrared, and active microwave. Use of remote sensing for studying the extra-terrestrial environment and earth weather systems.

GEOG 552 - LiDARgrammetric and Photogrammetric Digital Surface Mapping (3 Credits)

Introduction to fundamental concepts used to map topographic and planimetric Earth surface features using digital LiDAR (LiDARgrammetric) and digital soft-copy photogrammetry (Photogrammetric).

Prerequisites: GEOG 363 or GEOG 341 or GEOG 345 or GEOG 551 or GEOG 563.

GEOG 554 - Spatial Programming (3 Credits)

Computer programming of spatial problems; spatial statistical analysis, interactive graphics, and computer maps.

GEOG 556 - WebGIS (3 Credits)

Web-based Geographic Information Systems (WebGIS), including concepts and principles of WebGIS, web programming fundamentals, web-based mapping techniques, and developing WebGIS applications.

Prerequisites: GEOG 363.

GEOG 560 - Source Materials for Geographic Instruction (3 Credits)

Introduction to selected materials available for all levels of instruction in geography. Emphasis on the substantive nature of the materials.

Cross-listed course: EDSE 505

GEOG 561 - Contemporary Issues in Geography Education (3 Credits)

Key concepts of geography and current approaches to teaching geography with specific attention to classroom materials, curriculum reform, cross-curricular integration, learning theory, and the use of geospatial/instructional technology.

GEOG 562 - Satellite Mapping and the Global Positioning System (3 Credits)

Technology and use of Global Positioning Systems (GPS). GPS space segment, receiver technologies, range observables, and positioning accuracy. Applications to large/medium scale mapping, remote sensing, and aerial photography.

Prerequisites: GEOG 345 or GEOG 363 or GEOG 551.

GEOG 563 - Advanced Geographic Information Systems (3 Credits)

Theory and application of geographic information systems including discussions of automated input, storage, analysis, integration, and display of spatial data. Use of an operational geographic information system.

GEOG 564 - GIS-Based Modeling (3 Credits)

Geographical information systems for modeling physical/human processes in space and time using raster and vector data. Cartographic modeling concepts, embedded models, and GIS-model coupling.

GEOG 565 - Geographic Information System (GIS) Databases and Their Use (3 Credits)

Representation, construction, maintenance, and analysis of spatial data in a geographic information system (GIS) database.

Prerequisites: GEOG 363 or GEOG 341 or GEOG 551 or GEOG 563.

GEOG 566 - Social Aspects of Environmental Planning and Management (3 Credits)

Geographical approach to environmental problems.

Prerequisites: GEOG 343.

GEOG 567 - Long-Term Environmental Change (3 Credits)

Climatic changes of the past and their impact on the physical landscape, with an emphasis on the Quaternary period.

Prerequisites: A 200-level course in physical geography or geology or equivalent.

Cross-listed course: GEOL 567

GEOG 568 - Human Dimensions of Global Environmental Change (3 Credits)

Consequences of increasing anthropogenic changes on environmental systems including the sources of change, regional impacts, and social and policy responses.

Prerequisites: GEOG 343.

GEOG 569 - International Development and the Environment (3 Credits)

Intersections of international development and environmental change; study of general theoretical perspectives balanced with case studies from the Global South.

Cross-listed course: ANTH 569

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

GEOG 570 - Geography of Public Land and Water Policy (3 Credits)

Geography of public land, water, and related public trust resources (wildlife, timber, minerals, fuels, recreation, wetlands, coastal zones, wilderness); historical geography of policy; spatial aspects of current research and management.

GEOG 571 - Microclimatology (4 Credits)

Field techniques and processes in the atmospheric boundary layer including radiation, soil heat fluxes, turbulence, momentum, latent and sensible heat fluxes, moisture, and evaporation.

Prerequisites: GEOG 202.

GEOG 573 - Climatic Change and Variability (3 Credits)

Observations and theories of climatic change and variability as they occur at different space and time scales. Projections of future climates. Techniques used in climatic change research and impact analysis.

Prerequisites: GEOG 202 or equivalent.

GEOG 575 - Digital Techniques and Applications in Remote Sensing (3 Credits)

Introduction to digital image processing techniques and applications. Image correction, enhancement, spatial and spectral transformation. Land use/land cover classification, and change detection.

Prerequisites: GEOG 551 or equivalent.

GEOG 581 - Globalization and Cultural Questions (3 Credits)

This course examines cultural understandings of and responses to globalization, examining topics such as its history and theories, migration, economic integration and inequality, identity, social movements, and the environment.

Cross-listed course: ANTH 581

Graduation with Leadership Distinction: GLD: Global Learning

GEOG 590 - Beach-Dune Interactions (3 Credits)

Influence of wind on coastal systems, with emphasis on nearshore currents, sediment transport and bedforms, aeolian transport, and dunes. Minimum Junior standing required.

Cross-listed course: MSCI 590

GEOG 595 - Internship in Geography (1-6 Credits)

Internship in government agencies, private-sector businesses, and non-profit organizations under the joint supervision of sponsor and departmental. A maximum of three credits may be applied to undergraduate Geography major or to Geography master's degree. May be repeated to a maximum of six credits.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

Geology (GEOL)

GEOL 101 - Introduction to the Earth (4 Credits)

Origin and nature of the earth with emphasis on internal processes and phenomena such as earthquakes, volcanoes, and mountain building; surface processes, including landform evolution. Three lectures and three laboratory hours each week.

Carolina Core: SCI

GEOL 102 - Fossils and the Evolution of Life on Earth (4 Credits)

Basic overview of fossils, including dinosaurs, and their importance for understanding earth history and the evolution of life. Three lectures and three laboratory hours each week.

GEOL 103 - Environment of the Earth (4 Credits)

Analysis of basic energy cycles of the earth. Interaction of human activity with earth processes to affect the environment. Three lectures and three laboratory hours each week. Field trips required.

Carolina Core: SCI

GEOL 110 - Cultural Geology (3 Credits)

The growth of geological concepts, scientific and non-scientific. The impact of geological factors on human affairs. The role of time and evolution (biological and physical). Restricted to non-science majors.

Carolina Core: SCI

GEOL 201 - Observing the Earth (4 Credits)

An introduction to study of the earth through observation of ancient and modern earth systems in a field setting. Field trips required.

GEOL 205 - Earth Resources (3 Credits)

Mineral, energy, and water resources with emphasis on geological processes governing their distribution. Intended for non-science majors. Three lecture hours each week with occasional field trips.

Carolina Core: SCI

GEOL 215 - Coastal Environments of the Southeastern U.S. (3 Credits)

Coastal zones of South Carolina and neighboring states, including geologic history, geomorphology, stratigraphy, hydrogeology, shoreline processes, environmental issues, and effects of man. Not available for geological science or marine science major credit. Three lecture hours each week plus optional field trips.

Carolina Core: SCI

GEOL 215L - Coastal Environments of the Southeastern U.S. (Laboratory) (1 Credit)

Exercises examining coastal ecology, geomorphology, hydrogeology, shoreline processes, environmental issues, and human impact. Not available for marine science major credit. Two laboratory hours per week. Scheduled field trips required. Prerequisite or

Corequisite: D or better in GEOL 215 or MSCI 215.

Cross-listed course: MSCI 215L

Carolina Core: SCI

GEOL 230 - Geology of the National Parks (3 Credits)

Examination of the geologic setting and scientific significance of selected National Parks. Three lecture hours.

Carolina Core: SCI

GEOL 302 - Rocks and Minerals (4 Credits)

Chemical and physical processes of mineral formation in earth systems including an overview of igneous, sedimentary, and metamorphic rock-forming processes. Includes laboratory. Field trips required.

Prerequisites: GEOL 101 or GEOL 103 or GEOL 201; CHEM 111 recommended.

GEOL 305 - Earth Systems through Time (4 Credits)

Survey of earth history, the evolution of continents and oceans, the history of life, and geological dating methods. Includes laboratory and recitation. Required field trips. Taught alternate years.

GEOL 315 - Surface and Near Surface Processes (4 Credits)

Overview of groundwater, surface water hydrology, sediment transport, river systems, and coastal processes. Includes laboratory and recitation. Required field trips.

Prerequisites: PHYS 201 or PHYS 211.

Graduation with Leadership Distinction: GLD: Research

GEOL 318 - Field Studies in Geology (1 Credit)

Directed field studies of extraordinary geological locations in North America. Requires a seven- to nine-day field trip during spring break.

Prerequisites: GEOL 101, GEOL 103, or GEOL 201 and consent of instructor.

Graduation with Leadership Distinction: GLD: Research

GEOL 325 - Stratigraphy and Sedimentary Basins (4 Credits)

Overview of sedimentary basins, sediment transport, sedimentation, depositional environments, stratigraphy, seismic stratigraphy, eustasy, and sedimentary petrology. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302.

GEOL 335 - Processes of Global Environmental Change (4 Credits)

The science of global change, its relation to the hydrosphere, atmosphere, lithosphere, and biosphere. Global system science, biogeochemical cycles, paleoclimatology, glaciation, and eustasy.

Cross-listed course: MSCI 335

GEOL 345 - Igneous and Metamorphic Processes (4 Credits)

Origin and significance of igneous and metamorphic rocks, and relation to tectonic processes. Mineralogy, geochemistry, volcanism, plate tectonics, isostasy, heat flow. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302; MATH 122 or MATH 141.

GEOL 355 - Structural Geology and Tectonics (4 Credits)

Geologic structures and deformation of Earth materials. Stress and strain, deformation mechanisms, P-T-t paths, geologic maps, and structural regimes in plate tectonics. Includes laboratory and recitation. Required field trips.

Prerequisites: GEOL 302; PHYS 201 or PHYS 211.

GEOL 371 - A View of the River (3 Credits)

Introduction to terrestrial and tidal river morphology and processes, with case studies of South Carolina. Field trips required.

Prerequisites: GEOL 101 or GEOL 103 or GEOL 201.

GEOL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GEOL 498 - Undergraduate Research (3 Credits)

Student research on problems of regional and fundamental significance, supervised by a faculty member of the student's choice. Emphasis is on the development of critical thinking and lucid scientific report writing.

Graduation with Leadership Distinction: GLD: Research

GEOL 499 - Undergraduate Research (3 Credits)

Student research on problems of regional and fundamental significance, supervised by a faculty member of the student's choice. Emphasis is on the development of critical thinking and lucid scientific report writing.

Graduation with Leadership Distinction: GLD: Research

GEOL 500 - Field Geology (4-6 Credits)

Geological field techniques including the use of field instruments and the preparation of geologic maps. Written and oral reports required.

Prerequisites: GEOL 325 and GEOL 355.

Graduation with Leadership Distinction: GLD: Research

GEOL 501 - Principles of Geomorphology (3 Credits)

The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution.

Prerequisites: C or better in GEOL 101.

Cross-listed course: MSCI 501

GEOL 502 - Principles of Coastal Geomorphology (4 Credits)

Geological and physical controls on the morphology, development, and stability of coastlines. Analysis of waves and erosional processes, and coastal zone morphodynamics. Several required field trips.

Prerequisite or Corequisite: MATH 122 or MATH 141.

Cross-listed course: MSCI 502

GEOL 503 - Regional Stratigraphy and Biostratigraphy of North America (3 Credits)

Sedimentologic, biostratigraphic, and tectonic history of North America, approached from paleogeographic considerations with emphasis on the Atlantic Coastal Plain and Continental Margin. Three hours lecture and three hours recitation per week. Required field trips.

GEOL 511 - Advanced Paleontology (3 Credits)

Systematic, ecologic, biogeographic, and evolutionary aspects of paleontology; lectures, practical exercises, field trips.

Prerequisites: C or better in GEOL 305.

Cross-listed course: MSCI 511

GEOL 515 - Marine Micropaleontology (4 Credits)

Marine microfossils; distribution, ecology, paleoecology, and biostratigraphy; use of microfossils in marine sediments to study oceanographic history. Three lectures and two laboratory hours per week.

Cross-listed course: MSCI 515

GEOL 516 - Sedimentology (4 Credits)

Modern concepts of sediment composition, sedimentary facies, depositional environments, and stratigraphy. Includes laboratory.

Prerequisites: GEOL 325.

GEOL 518 - Surface to Subsurface Stratigraphy (3 Credits)

Surface to subsurface stratigraphic interpretation and techniques; litho- and biostratigraphy; geophysical log interpretation and subsurface presentation.

GEOL 520 - Isotope Geology and Geochronology (3 Credits)

Dating techniques for Pleistocene deposits, sediments, archaeological materials, igneous and metamorphic rocks.

GEOL 521 - Introduction to Geochemistry (3 Credits)

Investigation of low temperature chemical reactions controlling the geochemistry of the earth's surface. Emphasis on CO₂, carbonates, oxidation-reduction, thermodynamics, isotopes, biogeochemistry.

Cross-listed course: MSCI 521

GEOL 524 - Environmental Radioisotope Geochemistry (3 Credits)

Introduction to radioactivity and the use of radionuclides to study environmental processes, including age-dating and biogeochemical cycling in aquatic systems.

Prerequisites: C or better in CHEM 111, CHEM 112 and MATH 141.

Cross-listed course: MSCI 524

GEOL 526 - Igneous Petrology (4 Credits)

Petrography and petrogenesis of igneous rocks; evolution of contrasting petrotectonic terranes. Three lectures and three laboratory hours per week.

Prerequisites: GEOL 202.

GEOL 527 - Metamorphic Petrology (4 Credits)

Petrography and petrogenesis of metamorphic rocks in orogenic belts. Three lectures and three laboratory hours per week.

Prerequisites: GEOL 202.

GEOL 531 - Plate Tectonics (3 Credits)

Geological and geophysical evidence for plate tectonics, detailed development of the plate tectonics model, and present areas of research, including measurements of plate motion using satellite geodesy.

Prerequisites: Must have passed two GEOL courses numbered 300 or above, or consent of instructor.

GEOL 537 - Field Methods in Geophysics (3 Credits)

Application of two or more geophysical field methods to a current geological problem. Independent study contract required.

GEOL 540 - Earth Science for Teachers I (3 Credits)

Survey of topics related to the origin, internal structure, and internal processes of the earth, including plate tectonics, earthquakes, volcanoes, and mountain building. Required field trips, two lectures, and three lab hours per week. Cannot be used in M.S. or PhD. programs in geology.

Cross-listed course: EDSE 548

GEOL 541 - Earth Science for Teachers II (3 Credits)

Surface processes acting on the earth; introduction to weather and climate, weathering, erosion, and sedimentary processes; landform evolution; ocean currents and tides, near-shore geologic processes. Required field trips, two lecture and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Prerequisites: EDSE 548/GEOL 540.

Cross-listed course: EDSE 549

GEOL 542 - Methods in Geoscience Education Research (3 Credits)

Introduction to methods used in discipline-based education research and their application to research questions in the geosciences.

Prerequisites: C or better in least one course in GEOL, ENVR, MSCI or GEOG.

GEOL 545 - Geological Oceanography (3 Credits)

A comprehensive study of the origin and development of the major structural features of the ocean basins and the continental margins. Discussion of the techniques used in obtaining geologic data and the interpretation of sedimentary processes, vulcanism, and the stratigraphy of the ocean basins.

Cross-listed course: MSCI 545

GEOL 546 - Marine Geophysics (3 Credits)

Introduction to the nature and structure of the ocean floor as revealed by geophysical techniques. Two hours lecture and three hours laboratory.

GEOL 548 - Environmental Geophysics (4 Credits)

Practical geophysical techniques for exploring the shallow subsurface. Seismic, resistivity, well log, gravity, magnetic method. Includes lectures and field exercises to collect and analyze data.

Prerequisites: MATH 141 and PHYS 201 or PHYS 211.

GEOL 550 - Sedimentary Simulations and Sequence Stratigraphy (4 Credits)

Problems of sequence stratigraphy resolved with graphic computer simulations. Sedimentary fill of basins by carbonates and/or clastics tracked as a function of rate of sediment accumulation, tectonic behavior, and sea level. Includes laboratory.

Prerequisites: GEOL 325.

Cross-listed course: MSCI 550

GEOL 553 - Marine Sediments (3 Credits)

Marine sedimentary environments; physical/biological factors which control the formation and distribution of modern marine sediments.

Prerequisites: GEOL 516.

Cross-listed course: MSCI 553

GEOL 554 - Applied Seismology (3 Credits)

Theory of seismic wave propagation. Seismic reflection data acquisition, processing, and interpretation.

Prerequisites: MATH 141; PHYS 201 or PHYS 211.

GEOL 555 - Elementary Seismology (3 Credits)

Basic elements of seismology. Mathematical development of seismic wave equations; measurement, description, and interpretation of seismic data.

Prerequisites: MATH 241.

GEOL 556 - Seismic Reflection Interpretation (3 Credits)

The interpretation of geologic structure using seismic sections. Recognition of apparent structure caused by velocity anomalies, multiples, and complex reflector geometry. Application to hydrocarbon exploration.

GEOL 557 - Coastal Processes (3 Credits)

Physical and geological processes controlling the formation and evolution of beach, barrier, and nearshore environments, including discussion of coastal management issues.

Cross-listed course: MSCI 557

GEOL 560 - Earth Resource Management (3 Credits)

An approach to problems of resource management by lecture and seminar using case studies in mineral, energy, hydrogeological, and environmental science.

Graduation with Leadership Distinction: GLD: Research

Experiential Learning: Experiential Learning Opportunity

GEOL 561 - Environmental Field Geology (6 Credits)

An introduction to field methods in sedimentology, structural geology, hydrogeology and geophysics with special reference to geological hazards and environmental problems.

GEOL 567 - Long-Term Environmental Change (3 Credits)

Climatic changes of the past and their impact on the physical landscape, with an emphasis on the Quaternary period.

Prerequisites: A 200-level course in physical geography or geology or equivalent.

Cross-listed course: GEOG 567

GEOL 568 - Introduction to Micrometeorology (3 Credits)

Small-scale processes in the atmospheric boundary layers, including energy budget, radiation, soil heat transfer, humidity, viscous flows, turbulence, momentum and heat exchanges, evaporation, and marine atmospheric boundary layer.

Prerequisites: C or better in PHYS 201 and MATH 141.

Cross-listed course: MSCI 568

GEOL 570 - Environmental Hydrogeology (3 Credits)

Environmental considerations of the hydrologic cycle, occurrence and movement of ground water, aquifer analysis, and water well emplacement and construction. Water quality, pollution parameters, and the geochemistry of selected natural systems. The effects of environmental problems, waste disposal, and urban development upon the aqueous geochemical regime.

Prerequisites: GEOL 101 and CHEM 111 or their equivalents.

GEOL 571 - Soil Hydrology (4 Credits)

Saturated and unsaturated water flow through soils, pore pressure development, runoff generation, and watershed response to rainfall. Three lecture and three laboratory hours per week.

Prerequisites: PHYS 202 and MATH 142.

GEOL 575 - Numerical Modeling for Earth Science Applications (3 Credits)

Finite difference and finite element methods for solving the diffusion equation and advection-dispersion equation, with applications in hydrogeology, geophysics, geology, and marine science.

Prerequisites: MATH 142; MATH 241 is recommended.

GEOL 579 - Air-Sea Interaction (3 Credits)

The physical mechanism responsible for interaction between the ocean and the atmosphere and the influence of air-sea interaction on atmospheric and oceanic dynamics and thermodynamics on a wide variety of spatial/temporal scales.

Cross-listed course: MSCI 579

GEOL 580 - Satellite Oceanography (3 Credits)

This course provides knowledge of various techniques used in satellite remote sensing of the oceans. Key skills will be developed in satellite data processing, image analysis, and hands-on research.

Cross-listed course: MSCI 580

GEOL 581 - Estuarine Oceanography (3 Credits)

Estuarine kinematics and dynamics; classification of estuaries; estuarine circulation and mixing. Scheduled field trips are required.

Prerequisites: MSCI 314.

Cross-listed course: MSCI 581

GEOL 582 - Marine Hydrodynamics (3 Credits)

Basic principles of fluid statics and dynamics. Conservation of mass, momentum, and energy; viscosity, vorticity, and boundary layers with examples from the marine environment. Applications to and analysis of ocean currents and waves.

Prerequisites: C or better in MATH 241 and C or better in either PHYS 201 or PHYS 211.

Cross-listed course: MSCI 582

GEOL 583 - Geology and Geochemistry of Salt Marshes (3 Credits)

Geological and geochemical processes in salt marshes. Methods of geological research in marshes, including instrumental techniques, sampling design, and data analysis. Two lectures per week plus four weekends of project-oriented fieldwork and/or equivalent lab work. Scheduled field trips are required.

Cross-listed course: MSCI 583

GEOL 600 - Senior Seminar in Geology and Geophysics (2 Credits)

Advanced research topics in geology and geophysics; critical reading of literature, technical presentations, and written reports. Senior standing.

GEOL 650 - Electron Microscopy and Microanalysis (4 Credits)

SEM, ESEM, TEM, and EMPA, WDS quantitative analysis, EDS semi-quantitative analysis, EBSD, methods of sample preparation, and applications in varieties of disciplines. Two lecture and three laboratory hours per week.

Prerequisites: CHEM 111 or equivalent.

GEOL 699 - Senior Thesis (3-6 Credits)

Senior capstone experience, research on a problem of fundamental significance, supervised by faculty member; must include field study component, written final project report, and oral presentation at departmental seminar.

German (GERM)

GERM 109 - Beginning German I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have never studied German or who have placed by examination into GERM 109.

Credit may be received only for one of the following GERM 109; GERM110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 110 - Beginning German II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Credit may be received only for one of the following: GERM 109; GERM 110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 111 - Intensive Beginning German (6 Credits)

Intensive introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission only to highly motivated beginning students who obtain permission of the department. Credit may be received only for one of the following: GERM 109 and GERM 110; GERM 111; GERM 121.

GERM 121 - Elementary German (4 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in German. Admission only by proficiency examination. Credit may be received for only one of the following: GERM 109; GERM 110; GERM 111; GERM 121.

Carolina Core: GFL

GERM 122 - Basic Proficiency in German (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: Admission either by placement examination or successful completion of GERM 110, GERM 111, or GERM 121.

Carolina Core: GFL

GERM 210 - Intermediate German (3 Credits)

Further development of listening, reading, speaking, and writing skills; discussion of selected literary texts, and current issues; intensive review of basic grammar structures.

Prerequisites: GERM 122, or satisfactory score on Basic Proficiency Phase II placement test.

GERM 211 - Intermediate German (3 Credits)

Reading strategies, a review, and expansion of grammar structures, supplemented with materials concerning current issues.

Prerequisites: GERM 122, or satisfactory score on Basic Proficiency Phase II placement test.

Prerequisite or Corequisite: GERM 210.

GERM 230 - The Idea of Nature in Germany (3 Credits)

The idea of nature in Germany from the 18th century to today. Focus on scientific, philosophical, social and political entanglements that prompt radical shifts in how German thinkers view nature.

GERM 270 - Knights and Ladies (3 Credits)

Survey of medieval romances and love lyrics of Germany. History and culture of the High Middle Ages in Germany, especially courtly society. The function of chivalry and courtly literature in society.

Carolina Core: AIU

GERM 280 - German Culture and Civilization (3 Credits)

Survey of German cultural history from the Middle Ages to the present. Taught in English.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

GERM 290 - Viking Mythology (3 Credits)

Survey of Germanic mythological and heroic texts of the Viking Age. History and culture of Germanic tribes, especially the Vikings. The function of myth in society.

Carolina Core: AIU

GERM 295 - Green Technology in Germany (3 Credits)

Examination of roots and culture of environmentalism and related technological innovation in Germany. Comparison of green practices around the world to practices within Europe and U.S.

Cross-listed course: ENVR 295

Graduation with Leadership Distinction: GLD: Community Service

GERM 310 - German Conversation (3 Credits)

Continued practice in the four skills with focus on a selected aspect of German culture and society.

Prerequisites: GERM 210 and GERM 211.

GERM 311 - German Conversation and Composition (3 Credits)

Continued practice in the four skills with emphasis on developing writing skills and with focus on a specific aspect of German culture.

Prerequisites: GERM 210 and GERM 211.

GERM 316 - Advanced German for Business and Other Professions I (3 Credits)

Development of advanced language and cultural skills necessary for functioning in the professional world of German-speaking countries.

Prerequisites: C or higher in GERM 210 and GERM 211.

GERM 320 - German Kabarett Production (3 Credits)

Literary-historical analysis and discussion of texts from German Kabarett, including comedic skits, political and social satire, parody, humorous poetry. Semester ends with a public performance in German.

Prerequisites: GERM 310.

GERM 333 - Study of German Abroad (3-6 Credits)

Intensive language practice and cultural studies. May be repeated for credit by permission.

GERM 340 - Readings in German Literature (3 Credits)

An introduction to the literary genres illustrated by masterpieces in German poetry, drama, and prose.

Prerequisites: GERM 310 and GERM 311.

GERM 398 - Selected Topics (3 Credits)

Taught in English. Intensive study of cultural and/or literary movements in German-speaking countries. Course content varies by title.

GERM 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GERM 401P - Practicum in Teaching German to Young Children (3 Credits)

Introduction to principles of foreign language instruction and field experience planning instruction and teaching German to children in local elementary schools.

Corequisite: GERM 210 or higher.

Graduation with Leadership Distinction: GLD: Community Service
Experiential Learning: Experiential Learning Opportunity

GERM 410 - Advanced German Grammar (3 Credits)

Emphasis on advanced grammar structures, with continued development of all four skills (reading, writing, listening, speaking).

Prerequisites: GERM 310 and GERM 311.

GERM 411 - Advanced German Conversation (3 Credits)

Advanced practice in correct spoken idiomatic German with special focus on issues of the 20th century and contemporary culture.

Prerequisites: GERM 310 and GERM 311.

GERM 416 - Advanced German for Business and Other Professions II (3 Credits)

Development of advanced language and cultural skills necessary for functioning in the professional world of German-speaking countries. Preparation for standardized exams.

Prerequisites: C or higher in GERM 310 and GERM 311.

GERM 420 - Medieval German Literature and Culture (3 Credits)

Survey of German literature and culture from the beginnings to 1350, including Germanic mythology and heroic poetry, conversion to Christianity, courtly romance and love lyric, mystical writings, art and architecture.

Prerequisites: GERM 340.

GERM 430 - The German Enlightenment and its Countercurrents (3 Credits)

German literature and culture of the 18th century with emphasis on the period between 1750 and Weimar Classicism. May include major works by Lessing, Goethe, and Schiller.

Prerequisites: GERM 340.

GERM 440 - German Literature and Culture from 1800-1871 (3 Credits)

German literary, cultural, and intellectual developments from Unification to the end of WWII, including Naturalism, Expressionism, the Weimar Republic, the Third Reich, and the exile period.

Prerequisites: GERM 340.

GERM 450 - German Literature from 1890-1945 (3 Credits)

German literary, cultural, and intellectual developments from 1890 to 1945, including Expressionism, Weimar Republic, the Third Reich, and exile period.

Prerequisites: GERM 340.

GERM 460 - Post-War and Contemporary German Literature (3 Credits)

German literary, cultural and political developments from Post-War destruction and reconstruction, through the Cold War period of division, with examination of the reunification process.

Prerequisites: GERM 340.

GERM 500 - Survey of German Culture (3 Credits)

Historical survey of the German contribution to the intellectual and cultural life of Europe. Texts and films in German.

Prerequisites: advanced reading ability in German.

GERM 515 - Introduction to German Linguistics (3 Credits)

Structural and descriptive linguistics applied to the German language.

Cross-listed course: LING 503

GERM 516 - History of the German Language (3 Credits)

Development of German in the Germanic, Old High German, Middle High German, and New High German periods. Phonology, morphology, syntax, semantics, and the relationship between dialects and the standard language.

Cross-listed course: LING 733

GERM 517 - Introduction to the Germanic Languages (3 Credits)

Introduction to historical Germanic linguistics including a survey of the Old Germanic languages (Old English, Old Frisian, Old Saxon, Old High German, Old Norse, Gothic); comparative phonology, morphology, and syntax, typology of modern Germanic languages and dialects; and common Germanic in its Indo-European context.

Cross-listed course: LING 533

GERM 518 - German Sociolinguistics (3 Credits)

Introduction to the study of variation in Modern German. Traditional German dialectology and dialect geography, language and society, multilingualism in the German-speaking countries, German in contact with other languages.

Cross-listed course: LING 548

GERM 580 - Topics in German Film (3 Credits)

Examination of recurring themes and issues or of significant periods and influential styles in German film. Course content varies and individual topics will be announced with course title.

GERM 598 - Selected Topics in German (3 Credits)**GERM 615 - Intensive Readings in German (3 Credits)**

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course. Undergraduates may take the course as an elective only by permission of instructor. Grades S/U for graduates and undergraduates.

Global Studies (GLST)

GLST 220 - Introduction to Global Studies Through Literature (3 Credits)

Given that literature represents real policies and practices in the contemporary world and our ethical responsibility as global citizens, the course will focus on literature from different periods, nations, and regions across the world in order to better understand the way human experiences and different cultures relate. All literature will be read and taught in English.

GLST 300 - Introduction to International Development (3 Credits)

Critical, historical, and theoretical introduction to modern development practice. Includes extended discussions of contemporary best practices in the field.

GLST 308 - Global Media Industries (3 Credits)

Provides the foundation for the study of globalized film and media industries.

Cross-listed course: FAMS 308

GLST 369 - History of Capitalism 1: Ancient and Medieval World (3 Credits)

History of "capitalist" economic behavior and culture in various premodern societies: the Ancient Middle East, Classical Greece, the Roman Empire, early Islamic society, medieval Christian and Islamic states, the Mongol period and the era of global expansionism; evaluation of competing theories about premodern economic life and the meaning of "capitalism"

GLST 370 - History of Capitalism From the Industrial Revolution to the Global Economy (3 Credits)

A history of capitalism and its evolving definitions in Europe from the Middle Ages to the 20th Century, including its role in agriculture, mechanical industry, international trade, and colonialism and domination.

GLST 391 - Topics in Global Studies (3 Credits)

Selected topics in Global Studies. May be repeated with a change in topic. May be taken three times for credit.

GLST 490 - Global Studies Internship (1-3 Credits)

Academic counterpart to a professional work experience in which global or international affairs play a central role. Provides an introduction to foreign affairs and intercultural interactions in a working environment. Introduction to career possibilities for a student trained in global studies. Global Studies major with 3.0 or better GPA and completion of at least 45 credits.

Prerequisites: Two courses from the following: ANTH 102; GEOG 121; GEOG 210; LING 101; POLI 101; RELG 101.

Greek (GREK)

GREK 121 - Elementary Ancient Greek I (3 Credits)

Basic grammar and vocabulary necessary for reading Classical and Koine Greek. Assumes no prior experience in the language.

Carolina Core: GFL

GREK 122 - Elementary Ancient Greek II (3 Credits)

Additional grammar and vocabulary necessary for reading Classical and Koine Greek.

Prerequisites: GREK 121.

Carolina Core: GFL

GREK 305 - The Greek New Testament (3 Credits)

Readings in the Gospels and Epistles.

Prerequisites: GREK 121 and GREK 122.

Cross-listed course: RELG 320

GREK 321 - Plato (3 Credits)

The life of Socrates based on the reading of Plato's Apology and Crito in Greek. Supplementary reading in English from Xenophon's Memorabilia and Aristophanes' Clouds.

Prerequisites: GREK 121 and GREK 122.

GREK 322 - Homer (3 Credits)

Readings from the Iliad and the Odyssey in Greek. Discussion of the language, background, and composition of the poems.

Prerequisites: GREK 121 and GREK 122.

GREK 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

GREK 501 - Herodotus (3 Credits)

Readings from the Histories.

GREK 502 - Thucydides (3 Credits)

Readings from the History of the Peloponnesian War.

GREK 533 - Sophocles (3 Credits)

Selected plays.

GREK 534 - Euripides (3 Credits)

Selected plays.

GREK 543 - Hesiod and the Homeric Hymns (3 Credits)

Readings from the Works and Days, the Theogony, and the Homeric Hymns.

GREK 550 - Greek Seminar (3 Credits)

Authors and topics not covered in other Greek language courses, chosen to meet the needs of individual students. May be repeated with the approval of the department.

GREK 560 - Independent Study (1-3 Credits)

Special projects for independent study and research.

GREK 561 - Independent Study (1-3 Credits)

Special projects for independent study and research.

GREK 614 - Intensive Grammar Review of Ancient Attic Greek (3 Credits)

Intensive review for nonmajors designed to prepare them for GREK 615.

GREK 615 - Intensive Readings in Ancient Attic Greek (3 Credits)

Intensive reading for nonmajors. A review of grammar and syntax with reading of passages from Plato's Apology. Primarily for graduate students to fulfill the foreign-language reading requirement.

Prerequisites: GREK 614.

Hebrew (HEBR)

HEBR 121 - Elementary Hebrew (4 Credits)

Grammar and practical vocabulary for fundamental communication skills. Assumes no prior experience in the language. Offered only in fall.

HEBR 122 - Basic Proficiency in Hebrew (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Offered only in spring.

Prerequisites: HEBR 121.

HEBR 201 - Intermediate Hebrew (3 Credits)

Review of the basic principles of grammar, with emphasis on reading, oral skills, and writing.

HEBR 202 - Intermediate Hebrew (3 Credits)

Review of the basic principles of grammar, with emphasis on reading, oral skills, and writing.

HEBR 310 - Conversation and Composition (3 Credits)

Practical training in the spoken and written language.

Prerequisites: HEBR 202 or equivalent.

HEBR 398 - Selected Topics (3 Credits)

Intensive study in selected and cultural topics related to Judaism. May be repeated for credit under different titles. Taught in English.

HEBR 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

Higher Education (EDHE)

EDHE 600 - Special Problems in Higher Education and Student Affairs (1-3 Credits)

The course is designed to provide opportunities for the study of special topics in higher education and student affairs administration.

History (HIST)

HIST 101 - European Civilization from Ancient Times to the Mid-17th Century (3 Credits)

The rise and development of European civilization from its Mediterranean origins through the Renaissance and Reformation.

Carolina Core: GHS

HIST 102 - European Civilization from the Mid-17th Century (3 Credits)

European development and expansion from the mid-17th century to the present.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 103 - Introduction to South Asian History (3 Credits)

Political, cultural, and economic forces that have conditioned the development of institutions and ideas in South Asia.

Carolina Core: GHS

HIST 104 - Introduction to the Civilization of the Islamic Middle East (3 Credits)

An analysis which treats the major cultural elements of traditional Islamic civilization and then concentrates upon the reactions of the Arabs, Turks, and Iranians to the problems of adjusting to the modern world.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 105 - Introduction to East Asian Civilization (3 Credits)

The evolution of social, political, and cultural patterns in East Asia, with emphasis on the development of philosophical, religious, and political institutions and their relationship to literary and artistic forms in China and Japan.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 106 - Introduction to African History (3 Credits)

An examination of several traditional sub-Saharan African societies and of their political and economic transformation in the modern, colonial, and post-independence periods.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 107 - Introduction to Ancient Near Eastern Civilization (3 Credits)

The political, social, religious, economic, military, and intellectual development of Ancient Egypt, Mesopotamia, and adjoining areas from the origins of civilization until the seventh century A.D.

HIST 108 - Science and Technology in World History (3 Credits)

The development of science and technology and their roles in world civilizations from antiquity to the present.

Carolina Core: GHS, VSR

HIST 109 - Introduction to Latin American Civilization (3 Credits)

A discussion of the political, cultural, and economic forces which have conditioned the development of institutions and ideas in Spanish and Portuguese America.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Global Learning

HIST 110 - Conquest, Colonization, and Captivity: A Cultural History of the Americas from 1441 to 1888 (3 Credits)

Comparative examination of conquest, colonization, and human captivity in the history, cultural values, and social ethics of European, African, and Indigenous civilizations in the Americas, 1441-1888.

Carolina Core: GHS, VSR

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 111 - United States History to 1865 (3 Credits)

A general survey of the United States from the era of discovery to 1865, emphasizing major political, economic, social, and intellectual developments.

Carolina Core: GHS

Founding Documents: FND Founding Documents

HIST 112 - United States History since 1865 (3 Credits)

A general survey of the United States from 1865 to the present, emphasizing major political, economic, social, and intellectual developments. Honors sections are available for students in the honors program.

Carolina Core: GHS

HIST 201 - American Founding Documents (3 Credits)

Introduction to Declaration of independence, Constitution, Federalist Papers, Bill of Rights, landmark Supreme Court cases and constitutional amendments; exploration of these texts' historical context and debates about their meaning.

Founding Documents: FND Founding Documents

HIST 213 - History of the American West (3 Credits)

The history and development of an American region, "the West," through the narratives of its diverse people and the effects of its complex geography.

HIST 214 - The Practice of Public History (3 Credits)

Introduction to the field of public history. Explores the challenges of portraying history in museums, parks, and other public history venues.

Carolina Core: GHS

HIST 215 - History of the Devil (3 Credits)

A survey of the beliefs and practices associated with the demonic and the Devil from c 500 B.C.E. to the 20th century.

Cross-listed course: RELG 206

HIST 300 - Introduction to the History Major: The Historian's Craft (3 Credits)

The nature of historical evidence, the formulation of historical questions, the process of historical research, and the construction of historical arguments using primary sources and secondary materials.

Graduation with Leadership Distinction: GLD: Research

HIST 301 - The Ancient Near East to 323 B.C. (3 Credits)

The formation of ancient Near Eastern cultures, the ultimate synthesis of these cultures and the resulting establishment of the Near East as an historical entity.

HIST 302 - Greek History and Civilization to 146 B.C. (3 Credits)

The origins and development of Greek civilization in its political, economic, social, and cultural aspects with special attention being given to the early and late classical periods and the Hellenistic Age.

HIST 303 - Roman Republic and Early Empire (3 Credits)

The origins of Rome and shaping of its republican government, the spread of Roman rule in Italy and across the Mediterranean, the establishment of the principate and formation of one diverse imperial society and culture.

HIST 304 - Late Antiquity: Imperial Rome to Islam (3 Credits)

Political, social and religious transformation of the Mediterranean world, 2nd to the 8th century., including the rise of Christianity, the decline of Roman power, and the rise of Islam.

HIST 305 - Greece and Rome in Film and Popular Culture (3 Credits)

Representations of antiquity in cinema, television, and other contemporary media, with emphasis on Hollywood's reception of Greek and Roman history.

Cross-listed course: CLAS 305

HIST 306 - Medieval Europe, ca. 300-1492 (3 Credits)

Topics include the formation of monarchies, the rise of Christianity, learning and universities, knighthood and social orders, and heresy and crusades.

HIST 307 - Family and Society in Europe, c. 1200-1700 (3 Credits)

Explores the concerns and importance of families in pre-modern Europe. Topics include household furnishings and management, social classes, gender roles, family law, marriages, business, children, feuds, and sexuality.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 308 - Magic and Witchcraft in Europe, c. 1200-1700 (3 Credits)

Practices of, reactions against, and ideas surrounding magic and witchcraft during the late Middle Ages and the time of Europe's "Great Witch Craze".

HIST 309 - Age of Renaissance (3 Credits)

Social, cultural, and artistic movements in Italy and northern Europe from the Black Death (c. 1350) to religious reforms and revolutions (c. 1520).

HIST 310 - Age of the Reformation (3 Credits)

Religious, social, and political reforms from the rise of local religious protests (c. 1450) to the crisis of the 17th century. The rise of Protestantism and reactions in Catholicism.

Graduation with Leadership Distinction: GLD: Research

HIST 311 - The Age of Absolutism, 1648-1789 (3 Credits)

A survey of European political, economic, and intellectual development from the age of Louis XIV to the eve of the French Revolution.

HIST 312 - French Revolution and Napoleon (3 Credits)

The changes in France and Europe during the revolutionary decade, the rise of Napoleon, and the establishment of French hegemony over the Continent.

HIST 313 - The Enlightenment (3 Credits)

Intellectual and cultural history of the Enlightenment with particular attention to its relationship with the colonial world and its challenges to eighteenth-century states. Readings focused on primary sources.

HIST 314 - Video Games and History (3 Credits)

History in video games; comparison of selected games with historical scholarship, to assess the validity of the games' presentations of historical developments and the value of games to the understanding of history.

HIST 316 - Nineteenth-Century Europe (3 Credits)

Political, social, economic, and intellectual developments from 1815-1900, which brought European culture to its zenith and contributed to Europe's global domination.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 317 - Contemporary Europe from World War I to World War II (3 Credits)

The Great War, revolution, and reconstruction; the rise of authoritarian and totalitarian regimes and the coming of World War II.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 318 - Europe from World War II to the Present (3 Credits)

The Second World War and its origins; the Cold War; European recovery; a divided continent and Europe in the Global Era.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 320 - The History of Great Britain I (3 Credits)

A survey of the political, social, economic, and cultural development of the British Isles from pre-history to the Restoration of 1660.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 321 - The History of Great Britain II (3 Credits)

A survey of the political, social, economic, and cultural development of the British Isles since 1660.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 323 - The British Empire (3 Credits)

Examination of the British Empire, tracing various historical themes as regions of world fell under British control, with particular attention to Ireland, India, and sub-Saharan Africa (especially South Africa) in the 17th Century-20th Century.

HIST 324 - Slavery and Freedom in the Ancient and Medieval World (3 Credits)

Exploration of varied forms of servitude in the ancient and medieval Mediterranean; examination of human bondage in the Hebrew Bible, ancient Greece, Roman society, late antique religious teachings, and medieval Christian and Islamic societies; study of ancient slavery in modern political debates, historians' writings, and television and film.

HIST 325 - Byzantine History: 4th to 11th Centuries (3 Credits)

The political, religious, and military developments within the Eastern Empire including its influence on Western and Slavonic Europe and Islam.

HIST 326 - Byzantine History: 11th to 15th Centuries (3 Credits)

The political and military developments within the Eastern Empire from the invasion of the Seljuk Turks to its final destruction by the Ottoman Turks.

HIST 327 - The Crusades (3 Credits)

Holy war and realpolitik in Mediterranean East-West relations from the 10th through the 15th centuries with emphasis on the role of the crusades in the cultural formation, development, and international relations of East and West.

HIST 328 - Nineteenth-Century Britain (3 Credits)

The political, economic, and social developments in Great Britain and Ireland during the Victorian Age.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 329 - Modern and Contemporary Britain (3 Credits)

The political, economic, and social developments in Great Britain and Ireland during the 20th century.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 331 - Black Experience in the United States to 1865 (3 Credits)

The social, cultural, economic, and political life of Black people in the United States to 1865.

Cross-listed course: AFAM 331

HIST 332 - Black Experience in the United States since 1865 (3 Credits)

The social, cultural, economic, and political life of Black people in the United States since 1865.

Cross-listed course: AFAM 332

HIST 333 - France Since 1815 (3 Credits)

A political and social history from the Bourbon Restoration to the present.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 334 - The History of Russia from the Earliest Times to the Mid-19th Century (3 Credits)

The earliest life on the steppe, the Kievan State, the foundations of Moscow, and the Russian empire to the reign of Nicholas I.

HIST 335 - The History of Modern Russia and the Soviet Union (3 Credits)

The decline of Imperial Russia, the Revolution of 1917, Lenin, Stalin, and the Soviet Union since Stalin.

HIST 336 - Russian and Soviet Diplomatic History (3 Credits)

Imperial and Soviet foreign and military policies in the 19th and 20th centuries.

HIST 337 - Stalinism (3 Credits)

Political, economic, social, and cultural development of the USSR from the 1917 Bolshevik revolution until the end of Stalin's rule.

HIST 338 - Modern Germany (3 Credits)

A survey of German history including political, cultural, social, and economic developments from unification in 1871 to the present.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 342 - The Slavs in History (3 Credits)

An introductory survey of the civilization of the Slavic peoples. The historical traditions and culture of the peoples that occupy much of the Eurasian continent.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 343 - The Fall of the Eastern European Empires (3 Credits)

Nineteenth-century eastern European states and peoples; the political and social forces leading to World War I.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 344 - Eastern Europe Since WWI (3 Credits)

Survey of states in East-central and Southeastern Europe. Problems of national identity, modernization, and small state politics. Impact of WWII, the Cold war, the fall of communism, and the return to pluralism.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 347 - The Middle East in Modern Times (3 Credits)

The impact of modern civilization upon the Middle East, including the history of the Arab, Turkish, Iranian, and Israeli segments of the Middle East during the 19th and 20th centuries.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 348 - North Africa from Colonialism to Revolution: 1830-1962 (3 Credits)

A survey of French North Africa (Morocco, Algeria, and Tunisia) and Libya under colonial rule. The creation, development, and triumph of the nationalist movements, with particular attention to Algeria and its revolution.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 349 - The Contemporary Middle East and North Africa (3 Credits)

Political, social, and economic history of the Middle East and North Africa in the years since World War II.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 350 - Saving Africa: Development and Humanitarianism in Historical Perspective (3 Credits)

Exploration of how and why Africa is often represented as helpless, the colonial origins of common patterns of development and humanitarianism, and other possible models for these processes.

HIST 351 - Africa to 1800 (3 Credits)

Social, cultural, economic, and political developments, focusing on internally and externally generated changes.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 352 - Africa since 1800 (3 Credits)

Commercial and religious revolutions of the 19th century, imposition and ending of formal colonial rule, and post-colonial issues.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 353 - Problems in the History of Africa South of the Sahara (3 Credits)

Independent readings and written papers on appropriate topics.

HIST 354 - Modern East Asia (3 Credits)

Surveys modern development of East Asia from 1800 to the present.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 355 - Late Imperial China (3 Credits)

Political, economic, social, and intellectual transformations of late imperial China from the Ming dynasty (1368-1644) through the last empire of China, the Qing dynasty (1644-1911).

HIST 356 - China Since 1949 (3 Credits)

Introduction to the major social, economic, and political changes in China from the Communist Revolution in 1949 to the present.

HIST 357 - Japan to 1800: Aristocrats and Warriors (3 Credits)

The growth of the ancient state and the evolution of the samurai class and its political authority.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 358 - Japan since 1800 (3 Credits)

The development of modern Japan: political evolution, industrial growth, social change, war, defeat, and occupation.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 360 - Into the Wild: Global Conservation since 1800 (3 Credits)

Global and comparative environmental-historical investigation of the ecological, socioeconomic, and cultural significance of wilderness protection, nature conservation, national parks, and nature tourism; field excursions required.

HIST 365 - East Africa and the Indian Ocean World (3 Credits)

East Africans' contributions to an Indian ocean World that transcends single nation-states (stretching from Mozambique and Somalia to the Middle east, India and China) from the deep past to the present, including sections on "piracy," Islam, slavery, race, and gender.

HIST 367 - Gandhi and the Nationalist Movement in India (3 Credits)

Development of anticolonial thought and political movements in British India from the early nineteenth century onwards. Focuses on Mohandas K. Gandhi, his critics, and Gandhi's continuing global legacy.

HIST 369 - History of Capitalism 1: Ancient and Medieval Worlds (3 Credits)

History of "capitalist" economic behavior and culture in various premodern societies: the Ancient Middle East, Classical Greece, the Roman Empire, early Islamic society, medieval Christian and Islamic states, the Mongol period and the era of global expansionism; evaluation of competing theories about premodern economic life and the meaning of "capitalism"

HIST 370 - History of Capitalism 2: From the Industrial Revolution to the Global Economy (3 Credits)

A history of capitalism and its evolving definitions in Europe from the Middle Ages to the 20th Century, including its role in agriculture, mechanical industry, international trade, and colonialism and domination.

HIST 371 - History of Airpower (3 Credits)

The evolution of airpower from the early 20th Century through the early 21st Century. The emphasis is on the development of various theories about the application of aerial force, and how operations in time of war have confirmed or challenged these theories from a multinational perspective.

HIST 372 - History of Modern Sea Power (3 Credits)

The evolution of sea power through the development of steam navies around the globe, 1860 CE - 2020 CE.

HIST 374 - Nationalism: Myth and Reality (3 Credits)

A comparative examination of the origins and development of nationalism and its impact on the modern world.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 375 - Nazis and Fascists in European History, 1919-1945 (3 Credits)

German and Italian political movements; emphasis on the role of leadership, propaganda, and ideology. Fascist movements in France, Rumania, Hungary, and Great Britain.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 376 - War and European Society, 1914-1945 (3 Credits)

Thematic examination of the nature and impact of total war on European society; emphasis on socio-economic, cultural, and military aspects.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 377 - Business in Historical Perspective (3 Credits)

Capitalism in the Western world; the rise of modern corporate enterprise in Europe and America since 1850.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 378 - Urban Experience in Modern Europe (3 Credits)

Social and cultural impact of urbanization in Europe since 1789 through a comparison of major cities such as London, Paris, Vienna, and Berlin.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 379 - Women in Modern Europe (3 Credits)

Survey of women in European history from the eighteenth to the twenty-first century. Focus on women's citizenship beginning with Enlightenment idea of rights through developments in modern feminism.

Cross-listed course: WGST 379

Graduation with Leadership Distinction: GLD: Global Learning, GLD:

Professional and Civic Engagement Leadership Experiences

HIST 380 - History of the Holocaust (3 Credits)

Introduction to Nazi Germany's systematic mass-murder of Europe's Jews and other minorities during World War II. Examination of forces that led to the Holocaust, including scientific racism, Nazi policy implementation, and dynamics of annihilation during war.

Cross-listed course: JSTU 492

HIST 381 - The Nobel Peace Prize: Peace, War, and Politics (3 Credits)

Modern history through the lens of the Nobel Peace Prize. Limitations of the Nobel as encouragement to peace.

HIST 382 - History of Medicine: Antiquity to the Scientific Revolution (3 Credits)

A survey of the history of premodern medicine. How Western cultures of the past approached health and illness; anatomy; nutrition; sexuality; disease and plague; mental and emotional health; and more. From ancient Greece, through medieval and early modern Islamic, Jewish, and Christian approaches to medicine and the body.

HIST 383 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from late antiquity to 1500.

Cross-listed course: JSTU 381, RELG 381

HIST 384 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: JSTU 382, RELG 382

HIST 385 - The Expansion of Christianity (3 Credits)

Critical epochs in the spread of Christianity. Consideration of the great crises that shaped the structure and form of Christianity during the last 20 centuries: the Hellenistic world; the medieval syntheses; the breakup of Western Christian unity; the transition to worldwide mission activity in the industrial age.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 386 - Islamic Institutions and Traditions (3 Credits)

The religious, political, social and economic institutions and intellectual and scholarly traditions developed by Muslim societies throughout Afro-Eurasia from late antiquity to the present.

Cross-listed course: RELG 354

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 387 - Messiahs, Mystics and Rebels in the Islamic World (3 Credits)

Representative messianic movements, millenarian visionaries and apocalyptic imaginings in the Islamic world from the 7th century to the present, with attention to related developments in the Jewish and Christian traditions over the last two millennia.

Cross-listed course: RELG 368

HIST 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: JSTU 388, RELG 388

HIST 389 - Science, Magic and Religion (3 Credits)

Occultism as a link between science and religion and its central role in Western intellectual and cultural history; the historical development of the science-magic-religion continuum in the Islamo-Christian world from late antiquity to present.

Cross-listed course: RELG 362

HIST 390 - Engineering in History (3 Credits)

History of engineering practices, professions, and sciences, as well as development of engineered artifacts from the Middle Ages to the present.

HIST 391 - Information Technology: Past and Present (3 Credits)

The history of the computer; how it acquired various forms through the 20th century; how information, as defined by computers, had shaped the world over the past century.

HIST 392 - Making Modern Science: The Physical Sciences (3 Credits)

The history of physics, chemistry, geology, and related sciences since the Scientific Revolution.

HIST 393 - Making Modern Science: The Life Sciences (3 Credits)

The study of the life from antiquity to the present. Investigates the origins of modern biology and medicine and how life has shaped scientific, political, and economic thought.

HIST 394 - History of the Automobile (3 Credits)

Evolution of the automobile from a conceptual idea through the present-day. Emphasis on analysis of the automobile's impact on culture, economics, the environment, politics, science and technology, and society.

HIST 395 - Plagues and Societies in World History (3 Credits)

A survey of biopolitical, social, economic, and cultural aspects of epidemic diseases throughout world history.

HIST 396 - Evolution of Warfare I (3 Credits)

A history of tactics, strategy, weapons, and logistics from 500 B.C. to A.D. 1400.

HIST 397 - Evolution of Warfare II (3 Credits)

A history of tactics, strategy, weapons, and logistics from A.D. 1400 to the present.

HIST 398 - Sustainability in World History from Early Times to the Anthropocene (3 Credits)

An interdisciplinary examination of sustainability around the world from social, environmental, technological, and economic perspectives from early times to the present.

HIST 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

HIST 400 - Urban America in the Modern Age, 19th Century-present (3 Credits)

Survey of the urban history of the United States from the 19th Century through today.

HIST 401 - The Development of the American People to 1789 (3 Credits)

The founding of the English colonies, their developing maturity, the events leading to the Revolution, and the creation of a new nation.

HIST 402 - The New Nation, 1789-1828 (3 Credits)

The new republic and the developing democratic spirit in politics and culture.

HIST 403 - The Sections and the Nation, 1828-1860 (3 Credits)

The three cultures of East, South, and West; their interactions and the events leading to the Civil War.

HIST 404 - Civil War and Reconstruction, 1860-1877 (3 Credits)

The political, military, and social history of the War and the reorganization which followed.

HIST 405 - The Rise of Industrial America, 1877-1917 (3 Credits)

A survey of recent United States history with emphasis on the economic, social, and literary developments from 1877 to 1917.

HIST 406 - The United States and a World at War, 1917-1945 (3 Credits)

The United States and a World at War, 1917-1945.

HIST 407 - United States History Since 1945 (3 Credits)

A survey of the political, economic, social, and cultural developments in the period after World War II.

HIST 409 - The History of South Carolina, 1670-1865 (3 Credits)

A study of South Carolina origins and developments.

HIST 410 - History of South Carolina Since 1865 (3 Credits)

A survey of recent South Carolina history with emphasis on social and institutional development.

HIST 413 - History of Canada (3 Credits)

A survey of Canadian development from colony to modern nation.

HIST 415 - Voices of America: U.S. History Through Biography (3 Credits)

Historical exploration of the daily lives and personal stories of Americans through biographies and ethnographies.

HIST 416 - Histories of Native America (3 Credits)

Experiences of Native people in North America from the period before European colonization through the 21st Century.

HIST 420 - Colonial Latin America (3 Credits)

The establishment and consolidation of the Spanish and Portuguese empires in the Western hemisphere; interaction of Indians, Africans, and Iberians, and the formation of social, economic, and political traditions in Latin America; political independence.

Cross-listed course: LASP 341

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 421 - Modern Latin America (3 Credits)

Traditional society in the area and problems arising from social, economic, and political changes since independence; comparative studies of national responses to these problems.

Cross-listed course: LASP 342

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

HIST 422 - Social and Economic History of Latin America (3 Credits)

The evolution of social groups and changes in economic patterns in Latin America from pre-Columbian times to the present.

Cross-listed course: LASP 441

HIST 423 - History of Mexico (3 Credits)

Mexico from the pre-conquest period to the present, with an emphasis on modern Mexico.

Cross-listed course: LASP 442

HIST 425 - Caribbean Race and Slavery, 1500-1900 (3 Credits)

The roles race and slavery played in shaping Colonial Caribbean History from the pre-Columbian Civilizations to the end of the 19th century.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 434 - Everyday Life in Colonial America (3 Credits)

The customs, mores, attitudes, and living conditions of men and women of the 17th and 18th centuries. Emphasis on the common people of the American colonies.

HIST 435 - The American Revolution (3 Credits)

The causes of the Revolution; the events of the period and their implications.

HIST 442 - The Old South (3 Credits)

Development of Southern society and of the forces that made the South a distinctive section of the United States.

HIST 443 - The New South (3 Credits)

Reconstruction, the Bourbon era, agrarian revolt, industrial revolution, racial problems, and the changes resulting from the impact of two world wars and the New Deal (1865-1946).

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 444 - The Civil War in American History (3 Credits)

The causes, events, and results of the Civil War.

HIST 445 - The Reconstruction of the Nation (3 Credits)

The events and results of the attempt to reorder the American nation after the Civil War.

HIST 446 - Immigration and Ethnicity in America (3 Credits)

Issues of immigration, assimilation and nativism in the United States, 1840 to 1930.

HIST 447 - American Empire: Policy, Society, and Culture (3 Credits)

HIST 447 examines the full sweep of American history through the lens of empire, covering especially the linkages between U.S. foreign policy and American domestic culture.

HIST 448 - American Environmental History (3 Credits)

Interaction of cultural values, economic interests, public policy, and technology with the physical environment over time.

HIST 449 - American Popular Culture Since 1890 (3 Credits)

A history of the contributions of the popular aspects of American culture and their interactions with American institutions.

HIST 450 - LGBTQ History in the United States (3 Credits)

Exploration of LGBTQ history and communities in America from the Colonial Era to the present, using lenses of gender and sexuality to understand historical events.

Cross-listed course: WGST 450

HIST 451 - The History of American Medicine (3 Credits)

The development of the art and science of medicine as practiced in the United States from colonial times to Medicare. Emphasis on the social history of American medicine.

HIST 452 - The History of Science in America (3 Credits)

The development of science in America from colonial times to the present. Special attention will be given to defining those factors, scientific, economic, and social, which have raised American science to its commanding position in the 20th century.

HIST 453 - Technology and American Society (3 Credits)

The historical development of technologies and technological systems in the American context.

HIST 455 - The American Civil Rights Movement (3 Credits)

Examination of the origins of Jim Crow and the multi-faceted struggle against it, and other forms of racial inequality, in the American South and the rest of the US since the early 20th century.

Cross-listed course: AFAM 335

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

HIST 460 - American Thought to 1865 (3 Credits)

The transfer and adaptation of European ideas to a new environment and the development of new patterns.

HIST 461 - American Thought since 1865 (3 Credits)

The maturation and extension of a national culture.

HIST 462 - Southern Intellectual and Cultural History (3 Credits)

Intellectual and cultural developments characteristic of the Southern region from colonial times to the recent past.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HIST 463 - Jim Crow: Histories & Revivals (3 Credits)

This course critically examines the continuities and discontinuities between Jim Crow and our current historical and political moment.

Cross-listed course: AFAM 463

HIST 464 - History of American Women (3 Credits)

The social, political, and economic roles and changing status of women in America.

Cross-listed course: WGST 464

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HIST 465 - American Diplomatic History (3 Credits)

A historical survey of American foreign policy and foreign relations. First semester: to World War I. Second semester: World War I to the present.

HIST 466 - American Diplomatic History (3 Credits)

A historical survey of American foreign policy and foreign relations. First semester: to World War I. Second semester: World War I to the present.

HIST 468 - American Military Experience (3 Credits)

Transformation of war and of the institutions for waging war from the American Revolution to the present.

Cross-listed course: ARMY 406

HIST 469 - Constitutional History of the United States (3 Credits)

A study of the constitutional development of the United States from the creation of the Articles of Confederation to the Civil War. It deals primarily with problems of governmental organization, judicial interpretation, and sectional politics.

HIST 470 - Constitutional History of the United States (3 Credits)

An analysis of the growth of constitutional power from 1860 to the present, giving special attention to the constitutional problems of the Civil War period, the increasing role of the judiciary in national affairs, and the general extension of constitutional authority in the 20th century.

Founding Documents: FND Founding Documents

HIST 471 - American Jewish History (3 Credits)

Examination of experiences of Jews in the United States from Colonial Period to late 20th century, especially Jewish immigration, political behavior, social mobility, religious affiliation, group identity formation, and meaning of Anti-Semitism in American and global contexts.

Cross-listed course: JSTU 471

HIST 475 - Historic Preservation (3 Credits)

Overview of historic preservation as the practice of protecting and conserving places that tell stories about the past.

HIST 476 - Digital History (3 Credits)

Introduction to Digital History that examines ways to engage and adapt the discipline of history to technological trends and explores new approaches and interpretive techniques.

HIST 478 - Material Culture in the Digital Age (3 Credits)

Examination of material culture (objects and artifacts a society produces) as primary sources for historical research; how these sources are transformed when digitized; and the nature of born-digital resources.

HIST 479 - Oral History (3 Credits)

Methodology, application and usage, historic and current literature, identification and examination of available resources.

Graduation with Leadership Distinction: GLD: Research

HIST 480 - Internship in Public History (3 Credits)

Professional practice in museums, archives, preservation organizations, and other agencies involved in historical research, advocacy, and preservation of historical resources and history programming for public audiences.

Experiential Learning: Experiential Learning Opportunity

HIST 492 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

HIST 493 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Research

HIST 494 - Topics in History (3 Credits)

Reading and research on selected historical subjects. Open only to juniors and seniors with permission of the instructor.

Graduation with Leadership Distinction: GLD: Research

HIST 497 - Senior Seminar (3 Credits)

Principles of historical research and writing as applied to the seminar topic. Open to history majors or by special permission of instructor.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 498 - Senior Seminar (3 Credits)

Principles of historical research and writing as applied to the seminar topic. Open to history majors or by special permission of instructor.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 499 - Senior Thesis (3 Credits)

Principles of historical research and writing. A senior year thesis related to one of the advanced courses in the major program.

Prerequisites: HIST 300.

Graduation with Leadership Distinction: GLD: Research

HIST 562 - The Middle East and the United States: 1800 to the Present (3 Credits)

Political, cultural, and economic ties which have linked the Middle East to the United States. Middle Eastern views of these relationships and their impact on modern Middle Eastern history.

Graduation with Leadership Distinction: GLD: Global Learning

HIST 599 - Topics in History (3 Credits)

Reading and research on selected historical topics. Course content varies and will be announced in the schedule of classes by title.

HIST 640 - South Carolina History (3 Credits)

South Carolina since colonization.

HIST 641 - The American South Comes of Age (3 Credits)

Changes in the Southern region since 1940.

HIST 692 - Historic Preservation Field Experience--Charleston, S.C. (3 Credits)

On-site introduction to historic preservation including research, interpretation, management, and economics of preservation. Offered only in Charleston during summer term.

Hlth Promo Educ & Beh (HPEB)

HPEB 300 - Introduction to Health Promotion, Education, and Behavior (3 Credits)

The historical and philosophical basis, current problems, career opportunities, and literature in the health promotion, education, and behavior change professions.

HPEB 301 - Practicum in Health Promotion (1-6 Credits)

Practical experience in applying health promotion principles in the community or organization.

Prerequisites: HPEB 300.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

HPEB 321 - Personal and Community Health (3 Credits)

Psychosocial health, stress management, leading infectious and noninfectious diseases, nutrition, physical fitness, sexuality, consumer health and health care access, environmental health, aging, and death.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 331 - Health Education for the Elementary School (3 Credits)

Methods and materials for elementary schools. Integration and correlation of materials with school subjects. Sample content developed for primary, intermediate, and upper grades.

HPEB 335 - First Aid and Emergency Preparedness (3 Credits)

Emphasis upon preparing school personnel to act responsibly in emergency situations. Includes the American National Red Cross standard and advanced first aid instruction.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 399 - Independent Study (1-3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor. Open to sophomores and above.

Graduation with Leadership Distinction: GLD: Research

HPEB 434 - Health Education (3 Credits)

Methods of teaching health in school and community settings; techniques and strategies.

Prerequisites: HPEB 221, HPEB 223, and HPEB 224.

HPEB 468 - Safety and Safety Education (3 Credits)

Place of safety in modern life. Contributing factors to accidents, developing an awareness of the potential accident situation with special emphasis upon school setting, planning for and conduct of a safety education program.

HPEB 470 - Principles of Global Health (3 Credits)

Examination of major global health topics and approaches used by governmental, non-governmental, international institutions and donor agencies to improve health in low and middle income countries. Critical analysis and generation of intervention strategies to combat health issues in various country settings.

Graduation with Leadership Distinction: GLD: Global Learning

HPEB 471 - Social Determinants of Health (3 Credits)

The social, cultural, economic, and political factors that influence health and its distribution within and between populations. How society helps shape our health beliefs, behaviors, and status.

HPEB 488 - Food Systems (3 Credits)

Multiple dimensions of food systems along multiple dimensions of theory and practice. Restricted to Junior or Senior level standing.

Prerequisites: 12 hours of minor completed and ECON 101.

HPEB 489 - Food Systems Capstone Seminar (3 Credits)

Synthesis and application of content and competencies of the minor in nutrition and food systems in a practical setting with emphasis on student identified areas for professional growth. Restricted to Senior level standing.

Prerequisites: HPEB 488.

HPEB 492 - Special Topics in Health Promotion, Education, and Behavior (3 Credits)

A study of special topics in health promotion, education, and behavior. Individual topics to be announced in master schedule by title.

HPEB 501 - Human Sexuality Education (3 Credits)

Planning, implementation and evaluation of effective sexuality education programs. Includes strategies for educating about a variety of sexuality topics (e.g., reproductive biology, relationships, HIV/AIDS, sexual orientation, pregnancy, childbirth, and parenting).

HPEB 502 - Applied Aspects of Human Nutrition (3 Credits)

Application of nutrition principles including functions of food and nutrients in health and disease prevention throughout the life cycle. Applied topics include weight management, food safety, and other contemporary issues.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 511 - Health Problems in a Changing Society (3 Credits)

Current and emerging health problems in society: causes, effects, and prevention.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

HPEB 512 - Southern Discomfort: Public Health in the American South (3 Credits)

Investigation of the unique health and disease profile of the American South, including regional disparities that remain unresolved despite a public health revolution. Topics range from endemic diseases of the antebellum period to the current HIV/AIDS crisis, and ethics of research.

HPEB 513 - Race, Ethnicity, and Health: Examining Health Inequalities (3 Credits)

A comprehensive overview of race/ethnicity and health. Class discussions will focus on comparing health status and health outcomes of different racial/ethnic groups in the U.S. and discussing possible explanations for inequalities from a behavioral science perspective.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 521 - The Total School Health Program (3 Credits)

A course designed to acquaint the student with the various facets of the modern school health program. Includes school responsibilities for health and safety instruction, school health services, school environmental health problems, school and community relationships, resources for health, and evaluation of programs.

HPEB 540 - Drug Prevention (3 Credits)

Nature of drug actions, motivational factors that influence the use and abuse of drugs, and examination and evaluation of procedures to provide effective drug prevention efforts.

HPEB 542 - Tobacco Prevention and Control in Public Health (3 Credits)

Examines policies and practices for tobacco prevention and control in public health.

HPEB 547 - Consumer Health in Contemporary Society (3 Credits)

An analysis and appraisal of issues related to the production and distribution of products and services as these activities affect consumer health.

HPEB 550 - Behavioral Concepts and Processes for the Health Professional (3 Credits)

The development of interpersonal skills in dealing with health clients in various settings.

HPEB 551 - Medical Anthropology: Field Work (3 Credits)

Application of observation techniques, field notes, informant interviewing, and secondary data analysis to interpreting differential perceptions of health problem solving in the community and clinic.

HPEB 552 - Medical Anthropology (3 Credits)

Socio-cultural factors in health, illness, healing, and in medical systems. Cross-cultural and ethnographic evidence for public health research and program applications.

Cross-listed course: ANTH 552

Graduation with Leadership Distinction: GLD: Research

HPEB 553 - Community Health Problems (3 Credits)

Identification and analysis of major community health problems, their causes, the roles of individuals, community agencies, and government in affecting their solutions. Emphasis upon personal involvement and the responsibility for community health.

Graduation with Leadership Distinction: GLD: Community Service

HPEB 555 - Managing Stress (3 Credits)

Conceptualizing the nature of the stress; psychological, emotional, and spiritual aspects of stress; competency in the active management of stress and mobilizing support.

HPEB 560 - Cooking Up a Storm: Food, Globalization, Localization, and Health in the South (3 Credits)

The role of food in defining our relationships to our family, community, nation, and world. How food underlies much of the political, economic, and social struggles throughout the world.

HPEB 620 - Nutrition Through the Life Cycle (3 Credits)

Examination of nutritional concerns, requirements, and metabolism from pre-conception through the aging process; analysis of cultural, environmental, psychosocial, physical, and economic factors affecting nutritional status through the life cycle; and methods for assuring adequate nutrition through dietary selection, promotion of healthy eating throughout the life cycle and nutritional assessment for each state of the life cycle.

HPEB 621 - Maternal and Child Health (3 Credits)

Public health issues, social and behavioral science, policies, programs, and services related to maternal and child health in the United States and other countries.

Cross-listed course: WGST 621

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HPEB 627 - Lesbian, Gay, Bisexual and Transgender (LGBT) Health (3 Credits)

Health status and concerns of lesbian, gay, bisexual, and transgender communities. Includes an examination of measurement issues and methodological considerations in research, as well as intervention efforts targeting LGBT populations.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HPEB 631 - Health Promotion for Elementary and Middle School Teachers (3 Credits)

A multimedia course emphasizing health education strategies for major S.C. health problems, risk factors, and concepts of positive health behavior.

HPEB 640 - Behavioral Economics in Public Health (3 Credits)

The ways behavioral economics can help achieve goals in public health and health care. How behavioral insights can be applied to reach promotion aims ranging from achieving weight loss to medication adherence to appointment attendance.

HPEB 653 - Nutrition Assessment and Counseling (3 Credits)

Assessment of nutritional outcomes and work with research participants/patients. Methods for collection of dietary data, anthropometry, and body composition, including the use of new technologies. Nutrition counseling and interviewing techniques useful in gathering nutrition information.

HPEB 654 - Maternal and Child Nutrition (3 Credits)

A survey of current concepts in clinical and public health nutrition which are unique to infants, children, and pregnant and lactating women.

HPEB 674 - Social Networks, Social Capital, and Health (3 Credits)

Examination of health sciences and sociological research on social networks, social capital, and health. Theoretical and methodological foundations for network analysis of social relationships and health, design of public health interventions, and use of online social networks to promote health. Key constructs include social support, social capital, and social diffusion.

HPEB 679 - Addressing Childhood Obesity through Community Approaches (2 Credits)

Approaches for prevention of childhood obesity, using perspectives from public health, social work, exercise science, pharmacy, medicine, and behavioral nutrition. Training to teach diet/physical activity lessons in elementary school settings.

Cross-listed course: SOWK 679

HPEB 680 - Laboratory Techniques in Physiological Measurement (3 Credits)

Practical laboratory skills and theoretical bases of measurements in human physiology; bioelectrical potentials, respiratory physiology, energy expenditure, body composition, temperature regulation, and biochemical assays.

HPEB 683 - Contemporary Topics in Sexual Health (3 Credits)

Comprehensive overview of contemporary topics in sexual health.

HPEB 684 - HIV/STI Prevention (3 Credits)

The role of effective behavioral interventions in preventing the spread of the human immunodeficiency virus (HIV) and other sexually transmitted infections (STI) among diverse populations.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Research

HPEB 690 - Independent Study (1-6 Credits)

Topics to be assigned and approved by advisor and department head.

Hlth Serv Policy Mgmt (HSPM)

HSPM 401 - Independent Study (3 Credits)

Enrollment and topic to be approved in advance by advisor and instructor.
Graduation with Leadership Distinction: GLD: Research

HSPM 412 - Health Economics (3 Credits)

Designed to serve as an introduction to economic principles and applications used in the health sector. The role economics plays in various aspects of health care, demand-side and supply-side factors and issues, how various health care systems are impacted.

HSPM 491 - Special Topics in Health Services Policy and Management (3 Credits)

Emerging issues in Health Services Policy and Management. May be repeated for a total of 6 credit hours as content varies by title.

HSPM 500 - Introduction to Health Care Management and Organization (3 Credits)

Provide students with overview of health services management, management techniques and the different roles and functions of the different health care services. Use of field trips and guest speakers from different health care providers.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

HSPM 509 - Fundamentals of Rural Health (3 Credits)

Overview of the delivery and financing of health care in the rural U.S., with emphasis on vulnerable rural populations and access to care.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

HSPM 510 - Comparative Health Systems and Health System Efficiency, Effectiveness, Sustainability and Equity (3 Credits)

Comparative health systems of the world including health system organization, management, financing, resource use and health outcomes.

HSPM 513 - Issues in Health Care Information Management (3 Credits)

An introduction to data management in healthcare institutions for undergraduate students and non-HSPM major graduate students. Topics include the nature of medical data, legal protections surrounding such information, and basis strategies for managing information technology resources.

Prerequisites: HSPM 500.

HSPM 514 - Introduction to Health Services Delivery and Policy (3 Credits)

Overview of health services delivery in the United States, including organization and financing of health care, health insurance practices, primary and long-term care among other topics.

HSPM 530 - Finance in Health Administration (3 Credits)

Introduction to health care finance. Course will teach reimbursement structures, regulatory mechanisms, cost control, and related factors unique to healthcare organizations.

Prerequisites: BADM 225.

Hosp Retail Sport Mgmt (HRSM)

HRSM 301 - HRSM Professional Development Seminar (3 Credits)

Strategies, tactics, and requisite skills for career success in the hospitality, retail, sport, entertainment, and technology industries. Course must be taken prior to HRSM internship.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Internships

HRSM 401 - Leadership Development in HRSM (3 Credits)

Examination of effective techniques and practices of leadership development in the hospitality/tourism, retail and sport/entertainment industries.

HRSM 491 - Event Production, Evaluation, and Analysis (3 Credits)

This course examines and analyzes the effectiveness and efficiency of events in Hospitality, Tourism, Sport, Entertainment and Fashion and Retail Management industries. Event production, evaluation, and analysis will be conducted. Detailed activities involved in event production, evaluation, and analysis will be discussed and implemented.

Prerequisites: C or better in HRTM 364, and SPTE 203, and RETL 362.

HRSM 495 - Internship (1-6 Credits)

The internship is a supervised work experience in the student's major area of study.

HRSM 497 - Senior Seminar (3 Credits)

Integration of prior academic work through the examination of problem inquiry, conduct of research, application of a solution development and the completion of a research paper.

Prerequisites: Senior status, and HRSM student (SPTE, HRTM, RETL, or BAIS).

Hotel Rest Tourism Mgmt (HRTM)

HRTM 110 - Introduction to Hospitality Industry (3 Credits)

History, growth, developments, and future opportunities in the hospitality industry.

HRTM 160 - Breads, Pastas and Sauces (1 Credit)

Hands-on training in the basic foundations of breads, pastas, and sauces. Basic bread types, pasta shapes, pasta sauces, food safety, and new techniques to create personalized dishes.

HRTM 161 - Breakfast (1 Credit)

Hands-on training in the basic foundations of meal preparation, simple breakfast staples, egg cookery, alternative breakfasts, basic food safety, and new techniques to create personalized dishes.

HRTM 162 - Cooking for Two (1 Credit)

Hands-on training in the basic foundations of cooking complete dinners for two people. Includes effective purchasing, appetizers, complete meals, proper table set-up, desserts, and special meal ideas.

HRTM 163 - Desserts (1 Credit)

Hands-on training in the basic foundations of meal preparation, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 164 - Introduction to Healthy Mediterranean Cooking (1 Credit)

Basic elements of the traditional Mediterranean diet, cooking techniques, and how to cook and eat to stay fit and healthy.

HRTM 165 - Introduction to Cooking (1 Credit)

Hands-on training in the basic foundations of meal preparation, cooking basics, simple sauces, complete meals, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 166 - Simply French (1 Credit)

Hands-on training in the basic foundations of meal preparation, French cooking basics, simple sauces, complete meals, staple dessert items, basic food safety, and new techniques to create personalized dishes.

HRTM 167 - Simply Italian (1 Credit)

Hands-on training in the basic foundations of classical Italian dishes, including sauteing, frying, and braising, basic food safety, and new techniques to create personalized dishes.

HRTM 168 - Tailgating 101 (1 Credit)

Hands-on training in the basic foundations of classic tailgating dishes, including grilling, frying, and braising, basic food safety, and new techniques to create personalized dishes.

HRTM 169 - ServSafe Sanitation (1 Credit)

Food safety and sanitation in a commercial kitchen operation.

HRTM 190 - Special Topics in Culinary Arts (1-3 Credits)

Special topics within the culinary discipline designed to give students a hands-on approach to learning special techniques, cooking styles and preparation, and practical application used in the foodservice industry. Content varies by title. May be repeated.

HRTM 228 - Purchasing and Controls (3 Credits)

A study of the major foods, beverages, and supplies that are purchased in hotels, motels, and food-service establishments as well as techniques on how to control their distribution within the operation.

HRTM 230 - Hospitality Management (3 Credits)

Tools available to management and their utilization in the hospitality industry.

HRTM 260 - Hotel Management (3 Credits)

Management of the lodging phase of the hospitality industry to include front desk, housekeeping, and maintenance areas.

HRTM 262 - Spa Management (3 Credits)

Basic introduction to the spa segment with an overview on establishing a spa business, operations and management, business skills, and knowledge of future trends in the industry.

HRTM 270 - Quantity Food Production (3 Credits)

The basics of food production from storeroom to consumer. Various techniques of storage, preparation, merchandising, and menu-planning, as well as the many aspects of service. One lecture and three laboratory hours per week.

Prerequisites: C or better in HRTM 169 or proof of ServSafe Manager Certification.

HRTM 275 - Introduction to Beverage Management (3 Credits)

Introduction to Beverage Management, is an introductory course designed to give students a broad understanding of the beverage industry.

HRTM 280 - Foundations of Tourism (3 Credits)

Basic introduction to the social science of tourism in the US and the world, including definitional issues, motivations for travel, factors influencing demand-side and supply-side growth, the tourism product, market segmentation and marketing, socioeconomic, and ecological impacts, and destination life cycle dynamics. May not be used to satisfy Carolina Core requirements for HRTM majors.

Carolina Core: GSS

HRTM 285 - Club Management (3 Credits)

Unique problems and issues associated with private club management.

HRTM 290 - Hospitality and Tourism Practicum (3,6 Credits)

Supervised full-time work experience in an area of the hospitality and tourism industry, selected by the student and approved by the practicum coordinator. 400 hours required for 6 credit hours, 200 hours required for 3 credit hours.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

HRTM 340 - Nutrition (3 Credits)

The utilization of food by the body; menu planning and food production for institutions in relation to regular and modified diets.

HRTM 344 - Personnel Organization and Supervision (3 Credits)

Recruitment, selection, utilization, and development of human resources; role of supervisors in management and personnel administration.

Cross-listed course: RETL 344

HRTM 352 - Software Applications for the Hospitality Industry (3 Credits)

Using microcomputer software in various areas of the hospitality industry.

Prerequisites: ITEC 264.

HRTM 355 - Physical Plant Design (3 Credits)

Design, equipment, and maintenance of hospitality facilities.

HRTM 357 - Hotel and Restaurant Law (3 Credits)

A comprehensive overview of laws and regulatory agencies governing the lodging and food services industries.

Prerequisites: C or better in SPTE 240.

HRTM 362 - Wedding Planning and Management (3 Credits)

Sociocultural, political, economic, religious, and legal influences on wedding planning and business strategies will be explored as background to practices relevant to successful wedding planning and consultancy for diverse clients.

HRTM 364 - Conference and Meeting Planning (3 Credits)

Planning and managing conferences and meetings in the tourism industry.

HRTM 370 - Restaurant Food Production Management (3 Credits)

Management techniques and operating problems in food service operations. One lecture and five laboratory hours per week.

Prerequisites: HRTM 270.

HRTM 372 - Catering Management (3 Credits)

Management techniques, including planning, production, and performance of off-premise catering.

Prerequisites: HRTM 270.

HRTM 375 - Wine, Beverage and Culture (3 Credits)

This course provides a broad base of knowledge, covering all commercially relevant beverages including origins, tradition and culture.

HRTM 376 - Contract Foodservice Management (3 Credits)

Issues related to the management of contract foodservice accounts.

HRTM 381 - Travel and Destination Management (3 Credits)

Describes role of travel agencies, tour operators, tour guides, transportation providers, and attractions as critical sectors within the travel industry.

Prerequisite or Corequisite: HRTM 280.

HRTM 382 - Travel and Tourism Law (3 Credits)

This course focuses on legal issues affecting the tourism industry, including international travel law, travel litigation, liability, and topics specific to travel agencies, carriers, attractions, and destinations.

HRTM 383 - Ecotourism (3 Credits)

Focuses on tourism that is nature-based and entails a learning component while being managed for environmental, economic, and sociocultural sustainability.

Prerequisite or Corequisite: HRTM 280.

HRTM 384 - Cultural and Heritage Tourism (3 Credits)

The effective presentation, development, management, and marketing of cultural and heritage tourist attractions, including battlefields, plantations, and pilgrimage sites.

Prerequisite or Corequisite: HRTM 280.

HRTM 386 - Tourism Festival Planning and Management (3 Credits)

Planning, marketing, sponsorship, budgeting, management, impacts, and evaluation of successful and sustainable special tourism festivals are discussed from both a theoretical and practical perspective.

Prerequisite or Corequisite: HRTM 280.

HRTM 387 - Cruise Ship Industry (3 Credits)

Organization, market segmentation, marketing, design, anatomy of experience, environmental and social impacts, health and safety, and trends within cruising.

Prerequisite or Corequisite: HRTM 280.

HRTM 388 - Resort Development and Management (3 Credits)

Examines effective practices in the sustainable planning, development, and management of resorts and spas, including host community relations, social effects, design, marketing, operations, finance, and recreation programming.

Prerequisite or Corequisite: HRTM 280.

HRTM 389 - International Tourism Field Experience (3 Credits)

An experiential field trip where students evaluate selected tourism issues and products in an international destination.

Prerequisite or Corequisite: HRTM 280.

HRTM 390 - Special Topics in HRTM (3 Credits)

Concepts, issues, and trends in the hospitality and tourism industry.

HRTM 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

HRTM 410 - HRTM Current Issues (3 Credits)

Issues and problems concerning the hospitality industry.

HRTM 421 - Hospitality Financial Management (3 Credits)

Financial decision making including ratio analysis, asset management, leverage, short, intermediate, and long-term financing in the hospitality industry.

Prerequisites: RETL 262.

HRTM 428 - Sustainable Foodservice Systems (3 Credits)

Factors affecting the food supply in the United States and world. The class will explore the economic, political, legal, and societal forces affecting the distribution system of our food supply.

Prerequisites: HRTM 228.

HRTM 440 - Services Management for Hospitality and Tourism (3 Credits)

Management issues pertinent to quality service delivery in hospitality and tourism organizations.

HRTM 450 - Hospitality and Tourism Marketing (3 Credits)

Application of marketing principles and promotional techniques to the hospitality and travel industry.

HRTM 455 - Hospitality Sales Management (3 Credits)

Basic sales management policies and procedures within the hospitality industry with emphasis on sales planning, preparation, presentations and client contact within hospitality organizations.

Prerequisite or Corequisite: HRTM 260.

HRTM 470 - Current Issues in Nutrition (3 Credits)

Basic nutrition concepts as a foundation to address nutrition, health trends, concerns, and current nutritional issues in the modern world.

Prerequisites: HRTM 340.

HRTM 473 - Club Cuisine and Service (3 Credits)

Advanced topics in the management of production and service techniques for private clubs.

Prerequisites: HRTM 270, HRTM 285.

HRTM 475 - Wines and Spirits in Food Service Establishments (3 Credits)

Management overview and operating problems of beverages in the hospitality industry.

HRTM 476 - Craft Beer (3 Credits)

Study of craft beer through exploration of current trends, countries of origin, beer styles, flavor profiles, food flavor pairings and best business practices. Students must be 21 years old.

HRTM 481 - Analytical Techniques in Tourism and Hospitality (3 Credits)

Examination and application of analytical and research methods to tourism and hospitality problems.

Prerequisites: STAT 201 or equivalent.

Graduation with Leadership Distinction: GLD: Research

HRTM 482 - Sustainable Tourism Planning and Policy (3 Credits)

Principles and practice of tourism planning fostering sustainable tourism development at international, national, state, regional, local and site levels.

HRTM 483 - Tourism Economics (3 Credits)

Macro- and microeconomic dimensions of tourism are considered in relation to the demand and supply of tourism products at the national, state, regional, and local levels.

Prerequisites: ECON 224.

HRTM 485 - Sustainable Tourism (3 Credits)

Principles and practices of environmental, economic, and sociocultural sustainability in tourism are described and analyzed.

HRTM 490 - Hospitality Management Strategies (3 Credits)

Contemporary management strategies applied to the hospitality industry.

Prerequisites: MGMT 371.

HRTM 495 - Hospitality and Tourism Internship (6 Credits)

Structured industry practical experience in a hospitality or tourism company. 400 hours required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

HRTM 518 - Hospitality Human Capital and Talent Management (3 Credits)

This course will help students learn and apply concepts comprising talent management, including the role that talent management plays in the strategic management of hospitality and tourism operations, diversity, recruitment, selection, training and development of talent within the organization, as well as performance management for hospitality supervisors and management.

HRTM 521 - Revenue Management in the Hospitality Industry (3 Credits)

Examination of revenue management in the hospitality industry with an emphasis on the theory and dynamics of revenue management, the implementation of capacity management, forecasting and discounting.

Prerequisites: HRTM 450.

Corequisite: HTRM 421.

HRTM 537 - Diversity and Inclusion in the Hospitality and Tourism Industry (3 Credits)

Multicultural, multiracial, and multiethnic factors within the hospitality and tourism industry.

Prerequisites: MGMT 371 or RETL 344.

HRTM 550 - Theme Park and Attractions Management (3 Credits)

This course will give students an overview of the theme park and attractions industry. We will explore each of the areas of this industry including: history, venues, resources, ride operations, merchandising, food service and design.

HRTM 557 - Security Management of Hotels and Restaurants (3 Credits)

Individualized security programs, procedures, legal issues, and review of local, state, and federal laws that apply to the lodging and restaurant industry.

Prerequisites: HRTM 357 or equivalent.

HRTM 560 - Advanced Lodging Management (3 Credits)

Advanced principles of the management of hotels and resorts.

Prerequisites: HRTM 260.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

HRTM 564 - Advanced Meeting Management (3 Credits)

Analysis of current issues and problems in the meetings industry with emphasis on planning, organizing, managing, and enhancing meetings.

Prerequisites: HRTM 364.

HRTM 565 - International Lodging Management (3 Credits)

Analysis of the structure of international lodging companies, challenges of marketing U.S. lodging companies abroad, and cultural differences in international management.

Prerequisites: HRTM 260.

HRTM 567 - Timeshare and Vacation Ownership Management (3 Credits)

Management of the timeshare and vacation ownership industry.

HRTM 570 - Managing Food Service Operations (3 Credits)

An advanced study of the food-service industry and its operations both internally and externally to the physical plant.

Prerequisites: HRTM 270.

HRTM 574 - The Global Business of Beverage Management (3 Credits)

The Global Business of Beverage Management, exploring the global beverage industry from product management perspective, from raw materials to end user.

Prerequisites: C or better in HRTM 475 or HRTM 575.

HRTM 575 - Advanced Topics in Wine (3 Credits)

A viticultural and enological study of wine and wine regions around the world; from the vineyard to the table including grape varieties, wine regions and wine service. Students must be 21 years old.

Prerequisites: HRTM 475.

HRTM 576 - Franchising within the Hospitality Industry (3 Credits)

This course will focus on the study of multi-unit and franchise operations within the hospitality and tourism industry.

Prerequisites: C or better in MGMT 371.

HRTM 580 - Adventure Travel Management (3 Credits)

Analysis of the adventure travel industry throughout the world, with emphasis on the management, marketing, and operation of an adventure travel business.

HRTM 584 - Tourism Information Technology Issues (3 Credits)

Information technologies such as e-commerce, e-marketing, and e-research are examined, critiqued, and applied within a tourism context.

Prerequisites: C or better in SPTE 274.

HRTM 585 - Advanced Club Management (3 Credits)

Advanced topics in hospitality management for the club industry.

Prerequisites: HRTM 285.

HRTM 590 - Special Topics in HRTM (3 Credits)

Advanced concepts, issues, and trends in the hospitality and tourism industry. May be taken twice for degree credit.

HRTM 591 - Golf Tourism (3 Credits)

Effective practices used in the planning, development, and promotion of golf tourism. Experiential learning component for evaluating selected issues, problem solving, and participating in the operational performance of a large golf tournament. Employment with a pre-approved golf tournament or permission of instructor.

HRTM 592 - Golf Tourism Consumer Services (1 Credit)

Examines superior customer service in high-quality business operations for a mega golf-tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591.

HRTM 593 - Golf Tourism Supervisory Skills (1 Credit)

Examines basic supervisory skills in high-quality business operations for a mega golf-tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591, HRTM 592.

HRTM 594 - Golf Tourism Leadership Skills (1 Credit)

Examines management and leadership skills in high-quality business operations for a mega golf-tourism event; includes an experiential learning/fieldwork component.

Prerequisites: HRTM 591, HRTM 592, HRTM 593.

HRTM 595 - Hospitality and Tourism Management Field Study (3 Credits)

Immersive study of international/domestic hospitality or tourism companies in a specially chosen host country or region of the United States. Students must have a minimum GPA of 2.0; no pending or past judicial council infractions.

HRTM 597 - Global Travel and Tourism (3 Credits)

Study of the economic, social, cultural, political, and environmental considerations of international tourism management and development.

Prerequisites: HRTM 280.

Instr and Teacher Educ (EDTE)

EDTE 101 - Introduction to Careers in Education (2 Credits)

A survey of professional issues and concerns in education.

EDTE 101P - Practicum in Careers in Education (1 Credit)

Seminars and visits to schools and classrooms.

Prerequisite or Corequisite: EDTE 101.

EDTE 201 - Issues and Trends in Teaching and Learning (3 Credits)

Introduces and examines current issues and trends in teaching and learning.

EDTE 202 - Global Citizenship and Social Responsibility through Education (3 Credits)

Examining the continuing evolution of education and the direct impact on the development of social responsibility, values, and our place as global citizens.

Carolina Core: GSS, VSR

EDTE 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.

Cross-listed course: AFAM 218, JSTU 218

Carolina Core: GSS, VSR

EDTE 400 - Learning Through Community Service (1 Credit)

Documentation and synthesis of community service activities designed to prepare professional educators.

Corequisite: EDFN 300 and enrollment in an approved community experience.

Graduation with Leadership Distinction: GLD: Community Service

EDTE 448 - Teaching Internship in Foreign Languages (3 Credits)

Application of effective teaching techniques and organization of instructional settings in foreign languages for K-12.

Prerequisite or Corequisite: admission to the professional program of education.

Cross-listed course: FORL 448

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

EDTE 474 - Directed Teaching in Foreign Languages (15 Credits)

Students apply methods of curriculum and assessment, professionalism, effective teaching, and organization of instructional settings during internship in foreign language classrooms.

Prerequisites: admission to the professional program of education.

Cross-listed course: FORL 474

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDTE 500 - Mathematics Knowledge for Teaching I: PK-8 (3 Credits)

Pedagogical content knowledge for teaching number concepts and operations, fraction, ratio, and proportional reasoning, and algebraic reasoning.

EDTE 501 - Mathematics Knowledge for Teaching II: PK-8 (3 Credits)

Pedagogical content knowledge for teaching number and operations, data concepts and statistical reasoning, geometry, measurement, and spatial reasoning.

Prerequisites: C or better in EDTE 500.

EDTE 522 - Integrated Curriculum at the Middle Level (3 Credits)

Constructing, teaching, and assessing an integrated curriculum for students in middle schools. Upper level undergraduate students exploring middle level education.

EDTE 590A - Internship in Curriculum and Assessment (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to curriculum design and assessment.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590B and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 590B - Internship in Teaching (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to interactive teaching.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590A and EDTE 590C.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 590C - Internship in Professional Roles (3 Credits)

Internship for practice in classrooms appropriate to the level of certification sought (early childhood or elementary) related to professional roles.

Prerequisites: admission to internship II in early childhood or elementary education.

Corequisite: EDTE 590A and EDTE 590B.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDTE 600 - Systematic Effective Teaching (3 Credits)

Application of research-supported effective teaching techniques to the teaching-learning process, including demonstration lessons, observations, and supervisory conferences.

EDTE 605 - Cooperative/Team Learning in Education (3 Credits)

Instructional approaches, materials, and procedures for utilizing cooperative/team learning in education.

EDTE 610 - Integrated Reading and Writing Instruction (3 Credits)

Theoretical bases and techniques for teaching reading and writing in the elementary school, using multiple subject areas.

EDTE 611 - Whole Language: Concepts and Practices (3 Credits)

Development of concepts, materials, and practices to implement a whole language philosophy.

EDTE 620 - Restructuring Schools: Teachers and Classrooms (3 Credits)

Examination of issues related to restructuring schools based on different assumptions about teaching, learning, and assessment.

EDTE 621 - Middle Level School Today (3 Credits)

National trends in the middle level school; emphasis on the relationship of early adolescent developmental characteristics to organization, curriculum, instruction, and teaching.

EDTE 625 - Integrating Character Education into Instructional Programs (3 Credits)

Rationale, processes, and methodologies for integrating character education into school or school district instructional programs.

EDTE 626 - Service Learning for Schools, Community, and Workplace Responsibility (3 Credits)

Assist school personnel in designing academic, personal, civic, and workplace responsibility.

EDTE 631 - Technology to Support Instruction (3 Credits)

Introduction to computers, educational technology, and selected applications for instructional management.

EDTE 671 - Computers in Science Education (3 Credits)

Use of computer technology in teaching and managing science classes and problems in grades K-12.

Integrated Info Tech (ITEC)

ITEC 101 - Thriving in the Tech Age (3 Credits)

Pervasive impact of computers on today's global society; skills and strategies for using technology. How information technologies impact daily life and drive change.

ITEC 143 - Advanced Business Document Preparation (3 Credits)

Emphasis on production and versatility in preparing business documents. Not for TSTM majors. For business teacher certification.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ITEC 204 - Program Design and Development (3 Credits)

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.
Prerequisites: C or better in either CSCE 101, MGSC 290 or ITEC 264.

Cross-listed course: CSCE 204, MGSC 298

ITEC 233 - Introduction to Computer Hardware and Software (3 Credits)

Understanding of current computer hardware and software through computer building, repairing, and troubleshooting.

ITEC 242 - Business Communications (3 Credits)

Theory and processes in written business communications; composing effective business letters and reports.

Prerequisites: C or better in both ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ITEC 243 - Word Processing Concepts and Technology (3 Credits)

Introduction to word processing concepts and applications.
Prerequisites: keyboarding.

ITEC 245 - Introduction to Networking (3 Credits)

Understanding the essential concepts of computer networks, including standards, topologies, security, media, switching, routing, and more.

Prerequisites: C or better in ITEC 233.

ITEC 264 - Computer Applications in Business I (3 Credits)

Survey of core skills and techniques for spreadsheet design and analysis of business problems.

ITEC 265 - Introduction to Databases (3 Credits)

Fundamentals of modern database design and applications.

ITEC 270 - Records Control (3 Credits)

Analysis and control of office records including creation, processing, maintenance, protection, and disposition.

Prerequisites: ITEC 264.

ITEC 293 - Cybersecurity Operations (3 Credits)

Operations in Security Operations Centers (SOC). Securing information systems by monitoring, analyzing, detecting, and responding to security events.

Prerequisites: C or better in ITEC 233 or CSCE 145.

ITEC 301 - Professional Internship Seminar (3 Credits)

Preparation for professional internship.

Prerequisites: C or better in both ITEC 242 and ITEC 370.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

ITEC 352 - Software Design (3 Credits)

Survey of core software development principles, application development from pseudocode and flow charting through coding process.

Prerequisites: C or better in CSCE 204 or ITEC 204.

ITEC 362 - Introduction to Web Systems (3 Credits)

Introduction to web based systems, including HTML, CSS, and JavaScript; working with Content Management systems (Wordpress, Joomla); Accessibility, SEO, and web development best practices.

Prerequisites: C or better in either ITEC 101, CSCE 101, or CSCE 102.

ITEC 370 - Database Systems in Information Technology (3 Credits)

Survey of techniques for working with enterprise-level database systems.

Prerequisites: C or better in ITEC 265.

ITEC 390 - Special Topics in Information Technology (1-3 Credits)

Advanced concepts, issues, and trends in information technology. Course content varies and will be announced in the schedule of classes by title. May be taken twice for credit.

ITEC 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ITEC 444 - Introduction to Human Computer Interaction (3 Credits)

Human computer interaction: human factors of interactive software, methods to develop and assess interfaces, interaction styles, and design considerations.

Prerequisites: C or better in CSCE 204, ITEC 204, or CSCE 145; C or better in ITEC 362.

Graduation with Leadership Distinction: GLD: Research

ITEC 445 - Advanced Networking (3 Credits)

Advanced administration of client/server networks with major emphasis on network operating system software.

Prerequisites: C or better in ITEC 245.

ITEC 447 - Management of Information Technology (3 Credits)

Overview of current practices and trends in end-user technology and information system management.

Prerequisites: C or better in ITEC 101 and ITEC 245.

ITEC 475 - Mainframe Systems (3 Credits)

Introduction to the large scale computer systems used by businesses to support thousands of simultaneous users and process millions of transactions.

Prerequisites: C or better in ITEC 352, or C or better in CSCE 146.

Cross-listed course: CSCE 415

ITEC 476 - Job Control Language (3 Credits)

Programming in job control language used to process batch jobs on mainframe computers. Use of standard system utility programs.

Prerequisites: C or better in ITEC 352, or C or better in CSCE 146.

ITEC 493 - Information Technology Security for Managers (3 Credits)

Information technology security from a managerial perspective, including security awareness, risk assessment, and security policy development.

Prerequisites: C or better in ITEC 445.

ITEC 495 - Professional Internship (6 Credits)

Internship coordinated by a faculty member and supervised by an approved business supervisor. Contract approved by instructor, advisor, and department head is required for undergraduate students.

Prerequisites: C or better in ITEC 301.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

ITEC 510 - Emerging Information Technology Trends (3 Credits)

Survey of emerging information technology (IT) trends, featuring IT industry professionals presenting disruptive and emerging information technologies being developed and/or adopted by businesses within South Carolina.

ITEC 534 - Advanced Human Computer Interaction (3 Credits)

Review of current trends & challenges of human-computer interaction, the design of emerging technologies including AI-driven technologies, such as chatbot design, Internet of Things design, and human-robot interaction design, biometric evaluation methods, and usability testing with AI-driven emerging technologies.

Prerequisites: B or better in ITEC 444 or ITEC 762.

ITEC 544 - Training Systems (3 Credits)

Theory, design, and implementation of technology-based training systems, including hardware and software solutions.

Prerequisites: C or better in ITEC 444.

ITEC 545 - Telecommunications (3 Credits)

Telecommunications systems, applications, and equipment allowing for the global dissemination of information.

Prerequisites: C or better in ITEC 245.

ITEC 552 - Linux Programming and Administration (3 Credits)

Shell scripting and administration in the Linux operating system.

Prerequisites: C or better in CSCE 204 or CSCE 145.

ITEC 560 - Project Management Methods (3 Credits)

Project management principles and standard practices, including software applications for project management.

Prerequisites: C or better in ITEC 362; and C or better in either ITEC 264 or MGSC 290.

ITEC 562 - Advanced Web Support Systems (3 Credits)

The development of advanced, dynamic, Web-based information systems, including the integration of back-end database-records management systems.

Prerequisites: C or better in ITEC 362.

ITEC 564 - Capstone Project for Information Technology (3 Credits)

Application of project management software, technologies, and practices to the design and implementation of real-world capstone projects.

Prerequisites: C or better in both ITEC 362 and ITEC 560.

ITEC 570 - Database Management and Administration (3 Credits)

Introduction to database administration and implementation using an enterprise-level Relational Database Management System (RDBMS).

Prerequisites: C or better in ITEC 370.

ITEC 590 - Special Topics in Integrated Information Technology (3 Credits)

Advanced concepts, issues, and trends in technology support and training management. Course content varies and will be announced in the schedule of classes by title. May be repeated twice for credit.

Interdisciplinary Studies (IDST)

IDST 390 - Introduction to Interdisciplinary Inquiry (3 Credits)

A study of the history, philosophy, and theory of and modes of inquiry in interdisciplinary studies.

International Business (IBUS)

IBUS 301 - Introduction to International Business (3 Credits)

Provides an introduction to frameworks, tools, and factual knowledge useful for understanding the institutional and competitive environment and managerial challenges of firms engaged in international business. Restricted to business administration majors. International business majors excluded.

Prerequisites: MKTG 350, FINA 363.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 310 - Globalization and Business (3 Credits)

The business opportunities and threats for individuals, companies, and countries created by the growth of globalization, and how companies must operate in diverse foreign environments and engage in specialized transactions.

Prerequisites: C or better in ACCT 226, MGSC, 291, ECON 221 and ECON 222.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 401 - International Financial Management (3 Credits)

The financial management of a multinational business enterprise.

Prerequisites: ECON 222 and FINA 363.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 402 - International Marketing (3 Credits)

Cultural, legal, political, and economic factors affecting international marketing of products and services. Emphasis on differences in life styles, beliefs, attitudes, etc., and their influences upon marketing decisions.

Prerequisites: C or better in MKTG 350.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 403 - International Entrepreneurship (3 Credits)

Develop a business plan for a global startup, integrate international strategy into the business model and financing strategy, analyze the costs of internationalization.

Prerequisites: IBUS 310.

IBUS 405 - International Information Systems (3 Credits)

An examination of the challenges and opportunities associated with the development, management, and use of global information systems.

Cross-listed course: MGSC 405

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 406 - International Human Resource Management (3 Credits)

This course examines how human resources are managed within a global context. It examines how human resources are managed within global firms as well as across different cultural settings.

Prerequisites: MGMT 374.

Cross-listed course: MGMT 406

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 421 - Business Anthropology (3 Credits)

Analyze the relevance of anthropological theory for business, diverse business cultures, and their impact on global business practices.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 422 - Foreign Market Entry and Growth (3 Credits)

International market selection, global market entry, and growth and regional expansion strategies. Topics covered through readings, case studies, and an international marketing simulation game.

Prerequisites: IBUS 310.

IBUS 423 - Cross-Cultural Behavior and Negotiations (3 Credits)

Understanding of cross-cultural differences and their effects on individual behavior and business practices in organizations.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

IBUS 424 - Exporting and Importing (3 Credits)

The conduct of international trade, including terms of sale (INCOTERMS), financing arrangements, means of payment, credit insurance, shipping and insurance issues, support services, and trade facilitation.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 425 - Competitive Strategies in Developing Countries (3 Credits)

Strategies multinational companies use to compete in developing countries. Topics include management of political risk, impact of culture, and corporate responsibility and ethics.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 426 - Global Competitive Analysis (3 Credits)

The course examines how to leverage the competitive advantage of the firm to another country, access comparative advantages of another location, and link these two to create cross-country advantages.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 427 - Global Stakeholder Management (3 Credits)

Survey of the managerial, political, economic, sociological and psychological foundations of global stakeholder management and engagement through extant theory and case study examples of successful and failed stakeholder management strategies in various industries and multiple countries.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 428 - Islamic Economics and Finance (3 Credits)

Introduction to Islamic economics and financial systems and their relationship to multinational corporations and international business.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

IBUS 429 - Comparative Innovation Systems (3 Credits)

To analyze how innovation is approached by firms in different institutional climates around the world.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 430 - Research in International Business (3 Credits)

This seminar introduces students to research issues related to conducting studies in a cross-cultural setting. Students also develop an awareness of current international research programs.

Prerequisites: C or better in both IBUS 310, and MGSC 291.

Graduation with Leadership Distinction: GLD: Research

IBUS 431 - Intercultural Competencies for Working in International Teams (3 Credits)

How to recruit, lead, and collaborate more effectively in international teams by examining differences related to culture, work-values, economic climate, and career progression.

Prerequisites: IBUS 310.

Cross-listed course: MGMT 431

IBUS 432 - The Business Case for Services Offshoring (3 Credits)

How to formulate and present a professional judgment on a corporate initiative (like services offshoring) with a sound business case based on the elements of cost, benefit, risk, and strategic flexibility.

Prerequisites: IBUS 310.

IBUS 433 - Economic Globalization: Leadership and the Transnational Mindset (3 Credits)

Explore evolving and emerging issues facing international business leaders in the 21st century to develop a greater understanding of economic globalization and the intersection of the public, private, and non-profit sectors and their interrelationship with particular emphasis on security.

Prerequisites: IBUS 310.

IBUS 434 - Social Networks and Global Leadership (3 Credits)

Survey of social network theories and evidence, such that you are able to better identify, build, and navigate the social settings in which your career unfolds. Concepts are applied to several case studies of multinational enterprises to illustrate the network coordination challenges of global business.

Prerequisites: IBUS 310.

IBUS 435 - Market Development and Global Strategy (3 Credits)

Theoretical and comparative empirical perspectives on the roles of state and business in the development of emerging markets, sociopolitical frameworks of economic reform, and the impact of business strategies on development.

Prerequisites: C or better in IBUS 310.

IBUS 436 - Risk Management and Security Strategies in International Business (3 Credits)

An interdisciplinary understanding of how multinational enterprises interact with political, sociocultural and economic environments worldwide and the ability of leaders to develop effective strategies in navigating complex security risks.

Prerequisites: C or better in FINA 341 for Risk and Insurance Majors.

IBUS 441 - Business in Latin America (3 Credits)

Discussion of the contemporary business environment of and business practices in the countries of Latin America.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 442 - Business in Asia (3 Credits)

Discussion of business environments and business practices in countries in Asia.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 443 - Business in Europe (3 Credits)

Discussion of business environments and business practices in the countries from Western, Central, and Eastern Europe and Russia.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 444 - Business in Africa (3 Credits)

Discussion of business environments and business practices in the countries of Africa.

Prerequisites: IBUS 310.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 490 - Specialized Study in International Business (0-12 Credits)

Topics in international business. Reading and research on selected topics in the practices in the international business environment. Course content varies and will be announced in the schedule of courses by title.

Graduation with Leadership Distinction: GLD: Research

IBUS 501 - International Financial Management (3 Credits)

The financial management of a multinational business enterprise.

Prerequisites: C or better in IBUS 310, ECON 222 and FINA 363 for IB Major Undergraduate students. No prerequisite for MIB Graduate students.

IBUS 502 - International Marketing (3 Credits)

Cultural, legal, political, and economic factors affecting international marketing of products and services. Emphasis on differences in life styles, beliefs, attitudes, etc., and their influences upon marketing decisions.

Prerequisites: C or better in IBUS 310, MKTG 350 for IB Major Undergraduate students. No prerequisite for MIB Graduate students.

IBUS 503 - International Entrepreneurship (1 Credit)

Develop a business plan for a global startup, integrate international strategy into the business model and financing strategy, analyze the costs of internationalization.

Prerequisites: C or better in IBUS 310 for IB Major Undergraduate students. No prerequisite for MIB Graduate students.

IBUS 519 - Social Networks and Global Leadership (3 Credits)

A survey of social network theories and evidence that provide theoretical, empirical and practical examples of how different social network configurations achieve different function goals. Concepts are applied to case studies of multinational enterprises to illustrate the network coordination challenges of global business.

Prerequisites: C or better in IBUS 310.

IBUS 521 - Ethnographic Methods in International Marketing (3 Credits)

Analyze the relevance of anthropological theory for business, diverse business cultures, and their impact on global business practices.

Prerequisites: C or better in IBUS 310 for undergraduates, no prerequisite for graduate students.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 541 - Business in Latin America (3 Credits)

Discussion and analysis of business environments and business practices in the countries of Latin America.

Prerequisites: IBUS 310 for Undergraduates.

Prerequisite or Corequisite: DMSB 714 or IBUS 705 or IBUS 707 for Graduate Level.

IBUS 542 - Business in Asia (3 Credits)

Discussion and analysis of business environments and business practices in the countries of Asia.

Prerequisites: IBUS 310 for Undergraduates.

Prerequisite or Corequisite: DMSB 714 or IBUS 705 or IBUS 707 for Graduate Level.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 543 - Business in Europe (3 Credits)

Discussion and analysis of business environments and business practices in the countries of Europe.

Prerequisites: IBUS 310 for Undergraduates.

Prerequisite or Corequisite: DMSB 714 or IBUS 705 or IBUS 707 for Graduate Level.

IBUS 544 - Business in Africa (3 Credits)

Discussion and analysis of business environments and business practices in the countries of Africa.

Prerequisites: IBUS 310 for Undergraduates.

Prerequisite or Corequisite: DMSB 714 or IBUS 705 or IBUS 707 for Graduate Level.

Graduation with Leadership Distinction: GLD: Global Learning

IBUS 590 - Specialized Study in International Business (0-3 Credits)

Topics in international business. Reading and research on selected topics in the practices in the international business environment.

Prerequisites: C or better in IBUS 310.

Italian (ITAL)

ITAL 121 - Elementary Italian (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills.

Carolina Core: GFL

ITAL 122 - Basic Proficiency in Italian (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: ITAL 121.

Carolina Core: GFL

ITAL 130 - Accelerated Basic Proficiency in Italian (6 Credits)

Accelerated development of essential listening, reading, speaking, and writing skills to obtain the Basic Proficiency Level in Italian. Credit may be received only for one of the following: ITAL 121 and ITAL 122, or ITAL 130.

ITAL 221 - Intermediate Proficiency in Italian I (3 Credits)

Practice and rapid development of accurate skills in speaking, listening, reading and writing. Features BBC television course.

Prerequisites: ITAL 122.

ITAL 222 - Intermediate Proficiency in Italian II (3 Credits)

Practice and further rapid development of accurate skills in speaking, listening, reading and writing. Features BBC television course.

Prerequisites: ITAL 221.

ITAL 230 - Accelerated Intermediate Italian (6 Credits)

Accelerated development of intermediate level listening, reading, speaking, and writing skills in Italian. Credit may be received only for one of the following: ITAL 221 and ITAL 222, or ITAL 230.

Prerequisites: ITAL 122 or ITAL 130.

ITAL 310 - Italian Conversation (3 Credits)

Oral practice with advanced protocols of Italian conversation, focusing on perfecting rhythms and tonalities, and on a clear presentation of meaning.

ITAL 311 - Writing in Italian (3 Credits)

Introduction to letter, short essay, and creative writing, and to newspaper reports and selected essays as models of self-expression.

Prerequisites: ITAL 222.

ITAL 330 - TEATROMANIA: Italian Theater Practicum (3 Credits)

Project work in the production of plays in Italian. Includes readings in and public performance of Italian theatre and related materials.

ITAL 340 - The Other Italians: Emigrants and Immigrants (3 Credits)

Cultural analysis of the issues facing immigrants and their descendants in Italy, as well as the development of Italian American Culture in the United States. Through films, original texts, secondary literature, and contemporary media will be explored. Taught in English.

ITAL 350 - Advanced Italian Study Abroad (3-6 Credits)

Intensive language practice, emphasizing oral proficiency skills and advanced conversational protocols. Classroom instruction by native speakers, extensive contact with native environment, field trips. May be repeated for credit by permission.

Prerequisites: ITAL 122.

ITAL 355 - Survey of Italian Literature I (1200-1850) (3 Credits)

Introductory course of Italian Literature that covers canonical authors and key literary, cultural, and historical movements in Italy from 1200-1850.

Prerequisites: C or better in ITAL 221, ITAL 222 or ITAL 230; ITAL 310 and ITAL 311 strongly recommended.

ITAL 360 - Survey of Italian Literature II: 19th-21st Centuries (3 Credits)

Survey of significant writers, works, and cultural movements in Italian Literature from 1850 to the present day.

Prerequisites: C or better in ITAL 221, and ITAL 222 or ITAL 230, or appropriate placement score are required as prerequisites; ITAL 310 and/or 311 strongly recommended.

ITAL 398 - Selected Topics (3 Credits)

Intensive study of selected literary and cinematic topics of the Italian world. May be repeated for credit as topic varies by title. Taught in English.

ITAL 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

ITAL 400 - Contemporary Italian Civilization (3 Credits)

Significant values in the Italian cultural heritage, as presented in native print and visual media.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

ITAL 402 - Italian Food Culture: Adaptability and Sustainability in Italian and Global Food Systems (3 Credits)

Italian Culture Course on Italian and Global Foodways as studied through the lens of climate change and sustainability.

ITAL 404 - Twentieth Century Italian Literature (3 Credits)

Selected plays, short stories, novels and poems which characterize quality achievements by Italians, and which promote a better understanding of Italian life.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 405 - The Italian Love Lyric (3 Credits)

Italian love poetry, beginning with the "Dolce Stil Nuovo" of the late Middle Ages and ending with post-WWII avant-garde poetry.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 406 - Business Readings in Italian (3 Credits)

Selected literature from the Italian business world, such as correspondence, brochures, specialized newspapers and magazines, biographies of businessmen, prospectuses, and annual reports.

Prerequisites: ITAL 310, ITAL 311 and ITAL 312, or ITAL 350.

ITAL 407 - Advanced Conversation and Composition (3 Credits)

Prepares students for making lengthy formal reports in Italian, both written and oral, on topics of importance for success within an Italian environment.

Prerequisites: ITAL 310 and ITAL 311, or ITAL 350.

ITAL 411 - Italian Literature in Translation (3 Credits)

Italian writers, focusing on the works of Dante, Petrarch, and Boccaccio, with additional selections from later authors.

ITAL 412 - Post-World War II Italian Cinema (3 Credits)

Italian films of high esthetic value that present major cultural concerns of post-WWII Italians. Skills in film criticism and analysis. Films are subtitled. Taught in English.

ITAL 499 - Senior Project (3-6 Credits)

Directed independent research project, with a formal presentation and public discussion.

Graduation with Leadership Distinction: GLD: Research

ITAL 500 - Machiavelli and Renaissance Florence (3 Credits)

Italian political and literary history course focusing on Machiavelli's major publications and their meanings with regard to the cultural and political goals of the Renaissance in Italy.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 502 - Cercasi Umore: Understanding Italy (3 Credits)

Comparative Italian/American literature and culture course examining the differences between humoristic texts in Italian and American cultures.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 504 - The Italian Novella (3 Credits)

Italian literature seminar tracing the history of the short story from its Italian origins through the twentieth century.

Prerequisites: C or better in ITAL 310 or ITAL 311.

ITAL 560 - Independent Studies in Italian Literature (1-3 Credits)

Special topics in Italian literature.

ITAL 561 - Independent Studies in Italian Literature (1-3 Credits)

Special topics in Italian literature.

ITAL 615 - Intensive Readings in Italian (3 Credits)

Graduate students fulfill their foreign language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only.

Japanese (JAPA)

JAPA 121 - Elementary Japanese (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

JAPA 122 - Basic Proficiency in Japanese (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Admission only by successful completion of Japanese 121.

Prerequisites: JAPA 121.

Carolina Core: GFL

JAPA 221 - Intermediate Japanese I (3 Credits)

Review and continuation of fundamentals of the language; development of oral and reading skills.

Prerequisites: JAPA 122 or JAPA 123.

JAPA 222 - Intermediate Japanese II (3 Credits)

Review and continuation of fundamentals of the language; development of written and oral expression.

Prerequisites: JAPA 221.

JAPA 224 - Reading and Writing Japanese (3 Credits)

Acquisition and advancement of kanji literacy and writing skills. Development of foundational skills to review basic kanji and to aid in inferring the meaning of higher level kanji. Covers 250 kanji characters with complementary instruction through many mediums (brush writing, postcards, meishi).

Prerequisites: JAPA 121 and JAPA 122.

JAPA 240 - Introduction to Japanese Culture (3 Credits)

Introduction to Japanese culture through an examination of cultural elements such as traditions, arts, history, geography, people, society, and religion. Taught in English.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

JAPA 321 - Advanced Japanese I (3 Credits)

Improvement of skills in conversation and composition; advanced reading in modern Japanese materials.

Prerequisites: JAPA 222 or JAPA 223.

JAPA 322 - Advanced Japanese II (3 Credits)

Continuation of JAPA 321, with emphasis on strengthening proficiency in the use of Kanji.

Prerequisites: JAPA 321.

JAPA 331 - Japanese for Business I (3 Credits)

Development of language skills specific to the Japanese business world and its practices.

Prerequisites: JAPA 222 or JAPA 223.

JAPA 332 - Japanese for Business II (3 Credits)

This is a continuation of JAPA 331.

Prerequisites: JAPA 331.

JAPA 340 - Introduction to Japanese Culture and Literature (3 Credits)

Introduction to Japanese literature and its cultural background.

Conducted in English, but some background of Japanese is recommended.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JAPA 341 - Modern Japanese Literature (3 Credits)

Survey of modern Japanese literature and its cultural background up to the present. Conducted in English, but some knowledge of Japanese is required.

Prerequisites: JAPA 340.

JAPA 350 - Japanese Culture and Society through Film (3 Credits)

Examination of Japanese culture and contemporary society using selected films. Taught in English.

JAPA 351 - Japanese Culture and Society through Theatre (3 Credits)

Introduction to Japanese traditional theater and its influences on Japanese culture and society. Taught in English.

Cross-listed course: THEA 369

JAPA 353 - Japanese Culture and Society through Animation (3 Credits)

Examination of Japanese culture and contemporary society through studying of popular animations. Taught in English.

JAPA 398 - Selected Topics (3 Credits)

Intensive study of selected topics in Japanese literature and culture. May be repeated for credit as topic varies by title. Taught in English.

JAPA 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

JAPA 421 - Advanced Japanese III (3 Credits)

Development of proficiency in speaking, reading, and writing through advanced studies of authentic Japanese materials.

Prerequisites: JAPA 322, JAPA 323.

JAPA 422 - Advanced Japanese IV (3 Credits)

Strengthening proficiency in writing and reading.

Prerequisites: JAPA 421.

JAPA 500 - Japanese Language in Society (3 Credits)

Japanese language and communication in its sociocultural context; emphasis on comparison with American English. Taught in English.

Cross-listed course: LING 546

Jewish Studies (JSTU)

JSTU 218 - Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary (3 Credits)

An examination of African American and Jewish American inter-ethnic, historical and contemporary connections and disconnections. Implications for educational, social, and social settings are considered.

Cross-listed course: AFAM 218, EDTE 218

Carolina Core: GSS, VSR

JSTU 230 - Introduction to Judaism (3 Credits)

Overview of Jewish experiences, beliefs, practices from a contextual point of view.

Cross-listed course: RELG 230

JSTU 301 - Hebrew Bible (Old Testament) (3 Credits)

Modern study of the Hebrew Bible from historical, literary, and archeological points of view. Reading and analysis of texts in translation.

Cross-listed course: RELG 301

JSTU 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 373

Graduation with Leadership Distinction: GLD: Global Learning

JSTU 381 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from Late Antiquity to 1500.

Cross-listed course: HIST 383, RELG 381

JSTU 382 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: HIST 384, RELG 382

JSTU 387 - Jews and Muslims (3 Credits)

Jewish-Muslim relations in the Near East and the US; an exploration of Jewish-Muslim encounters, issues of religious law, politics, radical religious ideologies, and their repercussions for today.

Cross-listed course: RELG 387

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

JSTU 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam, and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: HIST 388, RELG 388

JSTU 471 - American Jewish History (3 Credits)

Examination of experiences of Jews in the United States from Colonial Period to late 20th century, especially Jewish immigration, political behavior, social mobility, religious affiliation, group identity formation, and meaning of Anti-Semitism in American and global contexts.

Cross-listed course: HIST 471

JSTU 475 - Visions of Apocalypse (3 Credits)

Symbolic visions, tours of heaven and hell, cosmic battles, divine judgment, messianic figures, prophecy, or other forms of revelation as found in literature, art, or social movements from diverse geographical and historical locations.

Cross-listed course: RELG 475

JSTU 491 - Special Topics in Jewish Studies (3 Credits)

Intensive study of special topics in Jewish Studies; may emphasize interdisciplinary themes. Maybe be repeated as content varies by title.

JSTU 492 - History of the Holocaust (3 Credits)

Introduction to Nazi Germany's systematic mass-murder of Europe's Jews and other minorities during war. Examination of forces that led to the Holocaust, including scientific racism, Nazi policy implementation, and dynamics of annihilation during war.

Cross-listed course: HIST 380

Journalism (JOUR)

JOUR 101 - Media and Society (3 Credits)

Principles, history, philosophies, theories of the mass media and allied professions and their societal role and impact.

JOUR 201 - Principles of Public Relations (3 Credits)

Methods used by business, government, consumer groups, minorities, environmentalists, and others to influence public attitudes toward their activities.

JOUR 202 - Principles of Advertising and Brand Communications (3 Credits)

An introduction to the advertising and strategic communications industries. Discussion of the structure and history of the business, social impacts and regulation, research, planning, creative, media planning, sales promotion, event promotion and the integrated nature of all promotional communication.

JOUR 203 - Principles of Visual Communications (3 Credits)

Theory and history of visual communication in the mass media emphasizing informational and persuasive messages created by graphic, photographic, and multimedia processes.

JOUR 204 - Principles of Journalism (3 Credits)

Principles and foundations of journalism to reflect both how journalism serves communities and how its techniques are developed to effectively communicate to audiences.

JOUR 205 - History and Philosophy of the Mass Media (3 Credits)

Development of the mass media in the United States from colonial times to the present. The effects of American social, cultural, political, and economic theory on the media.

JOUR 215 - Special Topics in Mass Communications (3 Credits)

Readings, critical review, discussion and analysis addressing significant issues in mass communications. Topics may change from term to term. May be repeated for credit with different course topics.

JOUR 220 - Account Planning: Mining Insights (3 Credits)

Topics include data mining from secondary sources, and use of primary research tools such as surveys, focus groups, ethnography and projective techniques.

Prerequisites: JOUR 101 and STAT 201 or equivalent.

Graduation with Leadership Distinction: GLD: Research

JOUR 243 - Sports Activism and Media (3 Credits)

Analysis of prominent sports activism cases and exploration of issues of access, economics, race, religion, gender, culture and nationality, through the lens of media coverage.

JOUR 244 - Special Topics in Sports Media (3 Credits)

Topics addressing issues in the world of the sports media. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 245 - Live Television Sports Production (3 Credits)

This course is designed to introduce students to all aspects of live television production of various venue sporting events. Through readings, lectures and hands-on experience, students will learn how major broadcast networks produce live sports events.

JOUR 261 - Journalism Trends (3 Credits)

Study and analysis of current and emerging issues in journalism philosophy and practice and how audiences perceive it. Emphases may change as practices evolve and issues emerge.

JOUR 285 - Social Media and Society (3 Credits)

Analysis of major social media sites and the role they play in informative and persuasive communications. Review of key platforms, what makes them successful as well as concerns about their impact and misuse.

JOUR 291 - Writing for Mass Communications (3 Credits)

Basic writing skills for all areas of the mass media. Lecture-laboratory.

JOUR 303 - Law and Ethics of Mass Communications (3 Credits)

Examination of First Amendment free speech and press guarantees and limitations, including commercial speech regulation, libel, privacy, copyright, trademark and open records and meetings, and related ethical principles for mass communications professionals.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 304 - Internet and Social Media Law (3 Credits)

Examination of the origins and history of First Amendment and related law and ethics, with an emphasis on how they apply to the Internet and social media.

JOUR 306 - Theories of Mass Communications (3 Credits)

Survey of predominate theories in mass communications including mass media uses, functions, and effects.

Prerequisites: JOUR 201.

JOUR 307 - Media, Sports and Race (3 Credits)

Exploration of the intersection of American media, sports and race.

JOUR 308 - Media and Youth (3 Credits)

An introduction to media uses and effects research, considering cognitive, affective, and social development as a framework for analyzing media effects on youth.

JOUR 309 - Hip Hop, Media and Society (3 Credits)

Hip-hop culture as a contemporary youth subculture, a historically African American aesthetic, a vehicle for mainstream media products and its impact on the innovation economy.

JOUR 311 - Minorities, Women, and the Mass Media (3 Credits)

The study of the relationship among persons of color, women, and the mass media in the United States.

Cross-listed course: WGST 311

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 316 - Toolkit for Concept Development (3 Credits)

Students will learn the theories and methods of applying consumer and brand insights to creative briefs and concepts.

Prerequisites: C or better in JOUR 202 and JOUR 291.

JOUR 317 - Toolkit for Brand Communication: Creative Execution (3 Credits)

Use of art direction and copywriting to create advertising and brand communication across a variety of media types using industry relevant software.

Prerequisites: C or better in JOUR 202 and JOUR 291.

JOUR 329 - A Focused Look at Brand Communications (1 Credit)

Topics in advertising and strategic communications. Individual topics and prerequisites to be announced with title.

JOUR 330 - Advertising and Brand Communications Speakers Series (1 Credit)

Advertising and brand communications industry experts share insights about industry trends, innovative campaigns and careers.

Prerequisites: JOUR 101.

JOUR 331 - Social Media Marketing Strategy (3 Credits)

Instruction on how to align social media with business objectives and overall communication strategies; and exploration of how organizations have incorporated social media into various departmental functions.

Prerequisites: C or better in all of the following JOUR 291; JOUR 201 or JOUR 202.

JOUR 332 - Mass Communications Research (3 Credits)

Fundamentals of mass communications research methods and applications. Survey, observational and experimental research; primary research data-gathering techniques; secondary research sources; data analysis; message, market, competitive and audience research measures.

Prerequisites: JOUR 201 and a course in basic statistics.

JOUR 333 - Public Relations for Nonprofit Organizations (3 Credits)

Theory and practice of developing public relations strategies and messaging for nonprofit organizations with a focus on audience research, donor relations, membership recruitment and fund raising.

Prerequisites: JOUR 291.

Graduation with Leadership Distinction: GLD: Community Service

JOUR 340 - Special Topics in Public Relations (3 Credits)

Special topics course addressing current issues, problems, and/or trends in public relations. Topics may change from term to term. May be repeated for credit with different course topics.

JOUR 343 - Social Media for Sports Media (3 Credits)

Effective social media use in the world of the sports media.

Topics relating to advertising, journalism, public relations, visual communications, and mass communications will be discussed. Provides contextual background on various social media and uses exercises to develop best practices.

JOUR 345 - Gender, Sexuality, and Sports Media (3 Credits)

How the sports media culture helps create and maintain, as well as challenge, inequalities based on gender and sexual identity. Students will learn how gender and sexuality are constructed through sports media and how they intersect with race, class, able-bodiedness and nationality.

JOUR 346 - Graphics for Visual Communications (3 Credits)

The personal computer and software related to the design and production of graphic and photographic images for print and onscreen media.

Prerequisites: JOUR 203.

JOUR 347 - Photography for Visual Communications (3 Credits)

Introductory photography that includes digital SLR camera use, multiple lenses, lighting, editing and distribution for web and display. Emphasis is on storytelling images for publication in editorial and persuasive media.

Prerequisites: C or better in JOUR 203.

JOUR 348 - Creative Thinking and Problem Solving (3 Credits)

This course introduces the fundamental principles of creative behavior. Theoretical and practical methods of problem-solving as well as discovery, evaluation, and implementation of new ideas.

JOUR 361 - Introductory Reporting and Writing (2 Credits)

Basics of news reporting: Story generation, critical thinking, story development, writing, shooting and editing broadcast stories, writing Web stories, using visual components of still pictures, graphics and video.

Prerequisites: C or better in JOUR 291.

Corequisite: JOUR 361L.

JOUR 361L - Introductory Reporting and Writing Lab (1 Credit)

Basics of news reporting: Story generation, critical thinking, story development, writing, shooting and editing broadcast stories, writing Web stories, using visual components of still pictures, graphics and video.

Prerequisites: JOUR 291.

Corequisite: JOUR 361.

JOUR 362 - Editing (3 Credits)

Skills and techniques required in preparing stories for publication. Laboratory work includes editing various kinds of copy and writing headlines.

Prerequisites: JOUR 291.

JOUR 371 - Social Media and Mobile Journalism (3 Credits)

This course provides an introduction on how to use online social platforms and mobile tools following journalistic editorial guidelines. Students will get an overview of the digital-first mindset that informs and enriches their professional preparation.

Prerequisites: C or better in JOUR 204 and JOUR 291.

JOUR 382 - Business Basics for Communications (3 Credits)

Students will gain a fundamental understanding of business and how write about it. Students will learn how various aspects of business, finance and the economy relate to individuals, communities, companies, governments and world events and how to communicate that impact.

JOUR 384 - Professional Perspectives in Business Communications (1 Credit)

These classes focus on specific areas of business communications to either deepen students' understanding of the subject or improve their ability with a particular skill (reporting, writing, editing, videography, social media, etc.). These topics may change from term to term.

Prerequisites: C or better in JOUR 382.

JOUR 385 - Social Media Planning (3 Credits)

An introduction to social media planning and digital media analytic skills, includes survey and analysis of content and strategies based on social media insights.

JOUR 391 - Sports Media and Society (3 Credits)

History of sports media and an analysis of current relationships between the sports industry, athletes, media, social media and the audience.

JOUR 392 - Podcasting and Audio Production (3 Credits)

This course is designed to teach you the fundamentals of audio storytelling, from conception and field gathering skills to writing for the ear and basic non-linear audio production. You will learn to distinguish the ways audio stories differ from those in print, and produce different types of media projects.

Prerequisites: JOUR 291.

JOUR 393 - Digital Signage (3 Credits)

This class introduces you to what is rapidly becoming the "fifth screen" digital signage, its place in modern communications, some of the issues surrounding it and how to create and evaluate content for it. Students will evaluate the SJMC digital sign system and may create content for it.

Prerequisites: JOUR 291.

JOUR 398 - Diversity Topics in Mass Media (3 Credits)

Topics addressing the intersection of race, gender, sexual orientation, or other forms of diversity or marginality and mass media. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 399 - Special Topics (3 Credits)

Topics in journalism and mass communications. Individual topics and prerequisites to be announced. Some topics may have prerequisites; check with student services or the syllabus for the section you are interested in.

JOUR 400 - Digital Media and Big Data Analysis (3 Credits)

Understanding digital media concepts including AI, blockchain, net neutrality, big data, privacy, and network analysis.

JOUR 416 - Creative: Strategy to Execution (3 Credits)

Principles and practices of developing creative and effective brand communications and to acquire proficiency in execution of brand communications.

Prerequisites: C or better in JOUR 220, JOUR 316 and JOUR 317.

JOUR 419 - Special Topics in Advertising (3 Credits)

Topics addressing contemporary issues in advertising and brand communications. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 421 - Media Analysis (3 Credits)

Research and development of a media plan using integrated communications approach and simulation models.

Prerequisites: JOUR 202.

Graduation with Leadership Distinction: GLD: Research

JOUR 428 - Super Bowl Commercials (3 Credits)

An exploration of how Super Bowl commercials reflect and influence our society. Topics include the way different groups are portrayed, the strategy behind the commercials, and how creative tactics have evolved.

JOUR 436 - Public Relations Writing (3 Credits)

Special areas of writing for public relations.

Prerequisites: JOUR 201 and JOUR 291.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 437 - Advanced Public Relations Writing (3 Credits)

An applied writing skills laboratory that will review and create advanced types of public relations writing and study applicable theory, models and research methods.

Prerequisites: JOUR 101, JOUR 201, JOUR 291 and JOUR 436.

JOUR 438 - Media Relations (3 Credits)

Planning and writing skills to effectively execute media relations, including how to research reporters and outlets, build a media relations plan, create messaging platforms, identify and prepare spokespeople, manage crisis communications and employ social media.

Prerequisites: JOUR 436.

JOUR 440 - Leadership and Internal Relations Management (3 Credits)

Leadership and communication inside an organization as a component of public relations management; strategy, change management, ethics, employees from executive to labor, and organizational theory applied to engage internal stakeholders.

Prerequisites: C or better in JOUR 201.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 443 - Sports Announcing (3 Credits)

This course is designed to introduce students to various aspects of live sports broadcasting. Students will learn skills and techniques that will prepare them to perform live on-air duties including game play-by-play and color analyst.

Prerequisites: C or better in JOUR 291.

JOUR 444 - Multimedia Sports Storytelling (3 Credits)

Crafting longform sports media stories through course-long projects and in-class exercises that sharpen storytelling skills and techniques.

JOUR 446 - Informational Graphics (3 Credits)

Visual presentation of quantitative and spatial information. Examines the planning, design, and preparation of statistical graphs, charts, timelines, diagrams, and maps.

Prerequisites: JOUR 203, JOUR 346 and STAT 110.

JOUR 447 - Video for Visual Communications (3 Credits)

Theory, skills, and techniques to create high-quality videos and multimedia for use in a variety of media applications, including editorial assignments, informational messages and persuasive communications. Emphasis on one-person producer with minimal equipment telling stories for non-traditional media.

Prerequisites: C or better in JOUR 347.

JOUR 448 - Multimedia for Visual Communications (3 Credits)

Team-based multimedia storytelling with an emphasis on studio and location lighting to produce professional-level photography projects and short videos for use in a variety of applications, including editorial assignments and persuasive communications.

Prerequisites: C or better in JOUR 347 and JOUR 447.

JOUR 449 - Design of Online Content (3 Credits)

Introduction to the skills and processes involved in the design and display of online content such as interactive graphics, animation, and video.

Considerations for designing and delivering content on a variety of platforms from personal computers to mobile devices.

Prerequisites: JOUR 346.

JOUR 450 - Studio and Location Lighting for Still Photography (3 Credits)

Still photography lighting techniques for mass media applications.

Emphasis on studio and on-location lighting of portraits, fashion, illustrations, food and product photography.

Prerequisites: JOUR 347.

JOUR 451 - Freelancing for Creative Professionals (3 Credits)

The theory and practice of entrepreneurship as they apply to creative professionals interested in starting their own freelance business.

JOUR 452 - Photojournalism (3 Credits)

Immersive course in long-form photojournalism storytelling. Students will spend the semester documenting a topic, with emphasis on gathering images with high technical level and compelling content. Class will edit content and create a presentation for the public compelling content.

Prerequisites: C or better in JOUR 347.

JOUR 455 - Special Topics in Visual Communications (3 Credits)

Introduction to issues surrounding the history, theory, skills and techniques of developing and niche visual communications technologies, topics, skills and concepts. Topics may change from term to term. May be repeated for credit with different topics.

JOUR 461 - Sports Journalism (3 Credits)

This course introduces students to the core principles, values, and best practices that guide the work of professional sports journalists. Students will develop skills that are necessary to function as sports journalists in today's media environment.

Prerequisites: C or better in JOUR 291.

JOUR 471 - Intermediate Reporting and Production (3 Credits)

Continuing development of students' ability to identify, gather, write, edit and present news, responsibly and ethically, across a range of formats, alone and in teams.

Prerequisites: JOUR 204, JOUR 303, JOUR 361.

Graduation with Leadership Distinction: GLD: Research

JOUR 472 - Power Producing (3 Credits)

Examines the art and skill of television news producing, providing students the opportunity to learn about the production process in a real-world, hands-on environment.

Prerequisites: C or better in JOUR 361.

JOUR 475 - Special Topics in Nonfiction Storytelling with Emerging Technologies (3 Credits)

Students produce in-depth journalism projects using a range of storytelling tools and technologies, such as: websites, interactive graphics/maps, HD- and 360-video, drones, AR/VR technology, and podcasting. May be repeated for credit with different topics.

Prerequisites: C or better in JOUR 361 or JOUR 447.

Graduation with Leadership Distinction: GLD: Research

JOUR 480 - Media Management (3 Credits)

This course provides an introduction to and overview of issues and practices in media management. You will steep yourself in and become conversant about economic, industrial and societal forces that influence modern media content curation, production and distribution.

JOUR 482 - Business Reporting and Writing (3 Credits)

This course is designed to build on your basic knowledge of various aspects of business and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.

Prerequisites: C or better in JOUR 382.

JOUR 483 - Reporting and Writing About the Economy (3 Credits)

This course is designed to build on your basic knowledge of various aspects of the economy and give you the tools and skills you need to synthesize sometimes complex information and communicate it clearly and accurately to an audience.

JOUR 491 - Communication and Information Transfer (3 Credits)

An overview of the communication models, major concepts, trends, and other related issues of information transfer with a focus on information seeking and use in digital age.

Prerequisites: JOUR 101 or SLIS 201.

JOUR 499 - Special Topics (3 Credits)

Topics in journalism and mass communications. Individual topics will vary by title. Prerequisites to be announced in class schedule.

Graduation with Leadership Distinction: GLD: Research

JOUR 501 - Freedom, Responsibility, and Ethics of the Mass Media (3 Credits)

Historical development of freedom, responsibility, and ethics in the mass media, including communication theories, pressures, ownership.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 504 - International Mass Communications (3 Credits)

A comparative study of world mass communications media, with particular attention to press systems, the sources and flow of international news, and the problems and implications of world communications.

JOUR 506 - Mass Media Criticism (3 Credits)

Development of critical thinking skills for analyzing mass media.

Prerequisites: JOUR 101.

JOUR 507 - Health Communication: The Science and Practice (3 Credits)

Explores the role of journalism in shaping perceptions of scientific issues and task. Emphasis on methods of effectively communicating about science, health, and the environment.

JOUR 508 - Faith, Values, and the Mass Media (3 Credits)

Faith and values influence the media. An examination of the influence, why it happens, and of religious diversity and the increased public presence of religions, including Hinduism and Islam.

Prerequisites: JOUR 291 and junior or senior standing or consent of instructor

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

JOUR 509 - Environmental Communication: The Science and Practice (3 Credits)

The role of journalism in shaping perceptions of environmental and scientific issues and tasks. Emphasis on methods of effectively communicating about science and the environment.

JOUR 515 - Mass Communications Capstone Portfolio (3 Credits)

Development of Mass Communications E-portfolio showcasing and reflecting on coursework and experiential learning, with a focus on leadership, as preparation for matriculation in higher education or careers in mass media.

Prerequisites: C or better in JOUR 501, JOUR 506, or JOUR 542.

JOUR 516 - Advanced Creative (3 Credits)

Development of writing styles for print and broadcast advertising.

Prerequisites: JOUR 416.

JOUR 517 - Integrated Campaigns (3 Credits)

The development of a complete, well coordinated integrated communications plan that incorporates research and analysis techniques, critical thinking, team work, creative and tactical skills.

Prerequisites: JOUR 416 and JOUR 421.

Graduation with Leadership Distinction: GLD: Research

JOUR 518 - Brand Communications Practicum/Competitions (3 Credits)

Application of advertising techniques and skills in preparation of full scale campaign.

Prerequisites: JOUR 332, JOUR 416, JOUR 421.

JOUR 521 - Interactive Communication Strategies (3 Credits)

The development of a complete, well-coordinated integrated communications plan that incorporates research and analysis techniques, critical thinking, team work, creative and tactical skills.

JOUR 527 - Advertising Management (3 Credits)

The dynamics of leadership and management in the creative industries.

Prerequisites: JOUR 202.

JOUR 530 - Creative Leadership (3 Credits)

Theories of leadership as applied to creative industries. Students will engage and interact with community-based organizations to assess needs, plan communications strategies, lead student teams in developing those ideas, and present to clients. Junior standing or permission of instructor.

JOUR 531 - Public Relations Campaigns (3 Credits)

Development of public relations campaigns for business and social institutions. Case studies of public relations campaigns and programs.

Prerequisites: JOUR 201, JOUR 332, JOUR 436.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

JOUR 533 - Public Relations Management (3 Credits)

Researching, programming, staff, budgeting, and planning public-relations programs by business, government, or consulting firms.

Prerequisites: JOUR 201, JOUR 436.

JOUR 534 - Publication Writing and Design (3 Credits)

Publication writing and design as well as internal or constituent communications, specifically focused on an internal audience. Production of InterCom, the College of Mass Communications and Information Studies' alumni magazine.

Prerequisites: JOUR 291.

JOUR 536 - Crisis Communications (3 Credits)

Introduction to crisis communications and management from a strategic, theory-based approach using research from historical and current case studies.

Prerequisites: C or better in JOUR 436.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 537 - The Carolina Agency (3 Credits)

Participation in a functioning communications agency working for actual clients in a student-directed environment. Opportunity to both lead and be a part of a team servicing the communication needs of various clients.

Prerequisites: JOUR 101; JOUR 201; JOUR 203 or JOUR 202; and JOUR 291.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

JOUR 538 - The Bateman Team (3 Credits)

Self-directed development and implementation of a public relations campaign as part of a national competition: PRSSA's Bateman Competition.

Prerequisites: JOUR 332 and JOUR 436.

JOUR 539 - Ethics in Public Relations and Public Policy (3 Credits)

Review of the analytical process of resolving complex ethical issues and cases in public relations; study of the philosophical approaches to communication ethics.

Prerequisites: JOUR 101.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

JOUR 542 - Public Opinion and Persuasion (3 Credits)

Theory and practice of persuasive communication and the role of persuasion in shaping public opinion.

JOUR 550 - Advanced Magazine Article Writing (3 Credits)

Writing techniques used in the preparation and marketing of major nonfiction articles for national, regional, and local publications.

Prerequisites: JOUR 566.

JOUR 553 - Motion-Based Graphics for Visual Communications (3 Credits)

Graphic and motion-based principles and techniques for visual communications within multimedia structures.

Prerequisites: C or better in JOUR 346.

JOUR 560 - Capstone Portfolio Development (3 Credits)

Advanced techniques of graphic and multimedia design and their application to problem-solving situations in the mass media. Emphasis on portfolio development.

Prerequisites: JOUR 446, JOUR 447, JOUR 449.

JOUR 563 - Public/Civic Journalism (3 Credits)

To gain an understanding of theory and practice of public/civic journalism, seen by its advocates as socially responsible journalism that attempts to build civic participation and empower communities.

JOUR 566 - Magazine Article Writing (3 Credits)

Researching, organizing, writing, and marketing articles for publication in general and specialized publications.

Prerequisites: JOUR 361 or JOUR 436.

JOUR 573 - Editorial and Opinion Writing (3 Credits)

Content and style; writing of editorials, analyses, and commentaries.

Prerequisites: JOUR 291.

JOUR 574 - Data Journalism (3 Credits)

Acquiring, analyzing and presenting data using spreadsheets and other tools to uncover stories and provide depth and context to journalism.

Prerequisites: C or better in JOUR 291.

JOUR 575 - Broadcast Journalism Practicum (3 Credits)

Production of public affairs programs.

Prerequisites: JOUR 326, JOUR 333, and JOUR 434.

Corequisite: JOUR 502, JOUR 503, and JOUR 526.

JOUR 576 - Reporting Public Affairs (3 Credits)

Concentrated analyses of reporting in special fields, particularly in the South, including coverage of government, business, labor, the arts and sciences.

Prerequisites: JOUR 361.

JOUR 579 - Broadcast Announcing (3 Credits)

Theory and practice of professional broadcast announcing. Lecture-demonstration-laboratory course in principles underlying professional performance before microphones and cameras and the various broadcast performance functions.

Prerequisites: JOUR 325.

JOUR 580 - Advanced Reporting Topics (3 Credits)

Study and application of highly specialized reporting on topics related to current public discourse. May be repeated as content varies by title.

Corequisite: JOUR 587, JOUR 589, and JOUR 590 or JOUR 586, JOUR 588 and JOUR 590.

JOUR 586 - Capstone I - Advanced Reporting - Broadcast and Online Journalism (3 Credits)

Professional practice in meeting daily newscast deadlines through work on the Carolina News television newscast. Focus on polished reporting, performance and production techniques and demonstration of advanced television reporting skills under deadline pressure.

Prerequisites: JOUR 471.

Corequisite: JOUR 588 and JOUR 590.

Graduation with Leadership Distinction: GLD: Research

JOUR 587 - Capstone I - Advanced Reporting - Multimedia Journalism (3 Credits)

Professional practice in shaping journalistic reporting to the multimedia environment. Application of news gathering, synthesizing and reporting across platforms – print and online, textual and graphic – in timely fashion.

Prerequisites: JOUR 471.

Corequisite: JOUR 589 and JOUR 590.

JOUR 588 - Capstone II - Advanced Broadcast and Online Journalism Production (3 Credits)

Advanced newscast production skills developed in the context of producing daily Carolina News broadcast. Shape and coordinate reporting and production team under deadline pressure in newsroom setting.

Prerequisites: JOUR 471.

Corequisite: JOUR 586 and JOUR 590.

JOUR 589 - Capstone II - Advanced Multimedia Journalism Production (3 Credits)

Editing and design employed to maximize effectiveness in the multimedia environment. Creating accurate and engaging content to reach consumers in varied ways reflecting contemporary consumer use of media.

Prerequisites: JOUR 471.

Corequisite: JOUR 587 and JOUR 590.

JOUR 590 - Capstone III - Digital Journalism (3 Credits)

Exposure to the evolving variety of journalism techniques, software programs and equipment to effectively tell compelling stories and convey information in multiple visual and interactive forms. Emphasis on extending professional skills while reinforcing current best practices.

Prerequisites: JOUR 471.

Corequisite: JOUR 586 and JOUR 588 or both JOUR 587 and JOUR 589.

JOUR 591 - The Carolina Agency Management Training (3 Credits)

Advanced instruction on how to assume leadership roles in a real life agency setting through tactical planning updates, interdepartmental management, budgeting, and client reviews.

Prerequisites: C or better in JOUR 537.

JOUR 595 - Domestic Study Away in Journalism and Mass Communications (3 Credits)

Domestic study away course will focus on topics in journalism and mass communications and will be taught away from the University of South Carolina Columbia campus. Individual topics will vary by title.

Prerequisites to be announced in class schedule.

JOUR 596 - Study Abroad in Journalism and Mass Communications (3 Credits)

Study abroad course will focus on topics in journalism and mass communications and will be taught as a study abroad experience. Individual topics will vary by title. Prerequisites to be announced in class schedule.

JOUR 597 - Internship in Mass Communications (1-3 Credits)

Supervised professional experience. Maximum of three hours credit. Contract approved by instructor, advisor, and department head is required.

Prerequisites: consent of Sequence Chair and Dean's Office prior to registration.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

JOUR 598 - Directed Independent Studies (1-6 Credits)

Individual mass media projects. Contract approved by instructor, advisor, and department head is required for undergraduate students.

JOUR 599 - Advanced Special Topics (3 Credits)

Advanced topics in journalism and mass communications. Individual topics and prerequisites to be announced by title in class schedule.

Korean (KORE)

KORE 121 - Elementary Korean (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

KORE 122 - Basic Proficiency in Korean (4 Credits)

Practice and development of essential listening, reading, speaking, and writing skills.

Prerequisites: KORE 121.

KORE 221 - Intermediate Korean I (3 Credits)

Review and continuation of fundamentals of the language; development of oral and reading skills.

Prerequisites: KORE 122.

KORE 222 - Intermediate Korean II (3 Credits)

Increased emphasis on written and oral expression in Korean.

Prerequisites: KORE 221.

Latin (LATN)

LATN 109 - Beginning Latin I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental reading skills. Admission to 109 restricted to those who have never studied Latin, who have not studied Latin in the previous five years, or who have a score of L-1 on the placement test.

Carolina Core: GFL

LATN 110 - Beginning Latin II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental reading skills. Credit may not be received for both LATN 109/LATN 110 and LATN 121.

Prerequisites: LATN 109.

Carolina Core: GFL

LATN 121 - Elementary Latin (4 Credits)

Grammar and vocabulary necessary for fundamental reading skills. Assumes prior experience in Latin. Admission only by proficiency examination. Credit may be received for only one of the following: LATN 109/LATN 110 or LATN 121.

Carolina Core: GFL

LATN 122 - Basic Proficiency in Latin (3 Credits)

Practice and further development of essential reading skills.

Prerequisites: LATN 110 or LATN 121.

Carolina Core: GFL

LATN 301 - Advanced Readings in Latin Literature (3 Credits)

A survey of Latin literature designed for the student who wishes to develop a major or cognate in Latin.

Prerequisites: LATN 122.

LATN 321 - Virgil (3 Credits)

Readings from the Aeneid.

LATN 322 - Latin Literature of the Golden Age (3 Credits)

Selected readings in prose and poetry of representative authors.

LATN 342 - Latin Composition (3 Credits)

A study of Latin syntax in order to translate English prose into Latin. Instruction is individualized.

LATN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

LATN 501 - Latin Drama (3 Credits)

Selected plays of Plautus and Terence.

LATN 502 - Cicero (3 Credits)

Readings from a variety of Cicero's works to gain a concept of the man as a humanist.

LATN 504 - Horace (3 Credits)

Readings from the Odes.

LATN 508 - Ovid (3 Credits)

Selected readings from the Metamorphoses.

LATN 513 - Tacitus (3 Credits)

Agricola or selections from the Annales.

LATN 514 - Livy (3 Credits)

Readings from Ab Urbe Condita.

LATN 525 - Roman Satire (3 Credits)

Readings in Horace, Juvenal, and Petronius.

LATN 530 - Latin Erotic Poetry (3 Credits)

Readings from the elegies of Catullus, Tibullus, Propertius, and Ovid.

LATN 537 - Lucretius (3 Credits)

Readings from the De Rerum Natura.

LATN 540 - Renaissance Latin (3 Credits)

An examination of several genres of Latin writing from Europe during the period 1400-1600, emphasizing, but not limited to, Italian writers.

LATN 551 - History of Latin Literature from the Origins to the Golden Age (3 Credits)

Readings from the Twelve Tables to Virgil, supplemented by readings in history and scholarship. Designed to prepare majors and honors students for further study.

LATN 552 - History of Latin Literature in the Silver Age (3 Credits)

Readings from Ovid to Ammianus, supplemented by readings in history and scholarship. Designed to prepare majors and honors students for further study.

LATN 560 - Independent Study (1-3 Credits)

Special projects for independent study and research.

LATN 561 - Independent Study (1-3 Credits)

Special projects for independent study and research.

LATN 580 - Teaching Advanced Latin in Secondary School (3 Credits)

Methods and materials for teaching the Latin Advanced Placement courses in secondary school.

LATN 614 - Intensive Grammar Review in Latin (3 Credits)

Intensive grammar review for non-majors; designed as preparation for LATN 615.

LATN 615 - Intensive Readings in Latin (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language reading requirement with successful completion of the course. Undergraduates may take the course as an elective only.

Latin American Studies (LASP)

LASP 201 - Latin American, Caribbean, and Latino/a Cultures through Film (3 Credits)

Interdisciplinary introduction to the diversity of landscapes and political and social issues in Latin America's history. Films, lectures, and readings provide an overall comprehensive perspective. Lectures by faculty in Spanish, Portuguese, anthropology, and history.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

LASP 301 - Interdisciplinary Study of Latin America (3 Credits)

Anthropology, geography, history, politics, language, and culture of Latin America.

Graduation with Leadership Distinction: GLD: Global Learning

LASP 305 - Working with Hispanic Clients (3 Credits)

Crosscultural approaches to interactions with persons of Hispanic origin in a variety of professional settings. Readings, speakers, media. Taught in Spanish. Departmental permission required for transfer students.

Prerequisites: B or better in SPAN 210 or SPAN 211; placement at 300 level on Phase II placement exam.

Cross-listed course: SPAN 305

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning

LASP 311 - Latin American Cultures (3 Credits)

Comparative study of selected Latin American cultures with emphasis on their significance for a broader anthropological theory.

Cross-listed course: ANTH 301

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LASP 315 - South American Indian Cultures (3 Credits)

An examination of ethnographic data on South American Indians, emphasizing methods used to acquire those data and their applications to theoretical considerations.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LASP 322 - Mesoamerican Prehistory (3 Credits)

Cultural development and variation in Mesoamerica from the first arrival of man to the arrival of Europeans. Particular attention to cultural continuities from prehistoric times.

Cross-listed course: ANTH 331

LASP 325 - Prehistoric Civilizations of the New World (3 Credits)

Study of Mesoamerican and South American civilizations, particularly the Mayan, Aztec, and Inca states. Processes of state formation as reflected in archaeological data.

Cross-listed course: ANTH 327

LASP 331 - Geography of Latin America (3 Credits)

Physical and human geography of Latin America.

Cross-listed course: GEOG 223

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

LASP 341 - Colonial Latin America (3 Credits)

The establishment and consolidation of the Spanish and Portuguese empires in the Western hemisphere; interaction of Indians, Africans, and Iberians, and the formation of social, economic, and political traditions in Latin America; political independence.

Cross-listed course: HIST 420

LASP 342 - Modern Latin America (3 Credits)

Traditional society in the area and problems arising from social, economic, and political changes since independence; comparative studies of national responses to these problems.

Cross-listed course: HIST 421

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LASP 351 - Politics and Governments of Latin America (3 Credits)

The development, principles, political thought, and politics of the several Latin American states.

Cross-listed course: POLI 488

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LASP 361 - Spanish American Civilization (3 Credits)

Lectures, readings, and visuals on selected topics of Spanish American civilization and its cultural heritage.

LASP 371 - Literary Tendencies and Masterpieces of Spanish America (3 Credits)

A survey of the masterworks and literary tendencies of Spanish America.

Prerequisites: SPAN 312.

LASP 398 - Special Topics in Latin American Studies (3 Credits)

Selected Topics on Latin America. May be repeated for credit as content varies by title.

LASP 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

LASP 425 - Prehistoric Archaeology of South America (3 Credits)

Prehistoric archaeology of the South American continent.

Cross-listed course: ANTH 534

LASP 441 - Social and Economic History of Latin America (3 Credits)

The evolution of social groups and changes in economic patterns in Latin America from pre-Columbian times to the present.

Cross-listed course: HIST 422

LASP 442 - History of Mexico (3 Credits)

Mexico from the pre-conquest period to the present, with an emphasis on modern Mexico.

Cross-listed course: HIST 423

LASP 451 - International Relations of Latin America (3 Credits)

Contemporary international relations among Latin American states, including economic and political security and relations with the United States.

Cross-listed course: POLI 437

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LASP 471 - Contemporary Spanish-American Literature (3 Credits)

Survey of the most significant work from 1960 to the present.

Cross-listed course: SPAN 557

LASP 496 - Senior Seminar (3 Credits)

Study in depth of a topic on Latin America.

Graduation with Leadership Distinction: GLD: Research

LASP 501 - Contemporary Spanish America (3 Credits)

Analysis and discussion of the 20th-century Spanish American history and the sociocultural forces that have contributed to define this area's national identities. Taught in Spanish.

LASP 541 - Colonial Spanish-American Literature to Neoclassicism (3 Credits)

Survey of pre-Columbian poetry and of texts dating from the time of Columbus to the end of the Colonial period.

Cross-listed course: SPAN 541

Libraries (LIBR)

LIBR 101 - Information Literacy (1 Credit)

Introduction to methods and ethics of information research, with emphasis on analyzing and defining information needs and resources, creating and refining search strategies, evaluating resources, and synthesizing and citing information. Admission restricted to undergraduates.

Carolina Core: INF

Linguistics (LING)

LING 101 - Linguistics 1: Introduction to Language (3 Credits)

Introduction to the human capacity for language and to how it is acquired. Investigation of language varieties, dialects, and styles.

Examination of the social and geographical factors that contribute to language variation and change.

Carolina Core: GSS

LING 102 - Integrated Linguistic Skills for Non-Native Speakers 1 (3 Credits)

Linguistic skills for low-advanced non-native speakers of English related to writing, grammar, reading, listening and speaking for academic purposes. Students enrolled in the International Accelerator Program.

Corequisite: LING 103.

LING 103 - Integrated Linguistic Skills for Non-Native Speakers 2 (3 Credits)

Linguistic skills for low-advanced non-native speakers of English related to writing, grammar, reading, listening and speaking for academic purposes with a focus on research skills. Students enrolled in the International Accelerator Program.

Corequisite: LING 102.

LING 104 - Integrated Linguistic Skills for Non-Native Speakers 3 (3 Credits)

Linguistic skills for advanced non-native speakers English related to writing, grammar, reading, listening and speaking for academic purposes with a focus on productive skills. Students enrolled in the International Accelerator Program.

LING 105 - Special Topics in Linguistics I (3 Credits)

Topics of a broad nature that require no previous study in linguistics. May be repeated as content varies by title.

LING 140 - Linguistic Diversity Awareness (2 Credits)

A course designed to cultivate awareness of phonological and grammatical differences among dialects of English and ability to switch comfortably between one's dialect and standard usage. Two-hour lecture and laboratory.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 205 - Special Topics in Linguistics II (3 Credits)

Topics of a more focused nature that require no previous study in linguistics. May be repeated as content varies by title.

LING 240 - Language Conflict and Language Rights (3 Credits)

Examination of linguistic conflict and rights, as well as centrality of language rights to human rights and personal/cultural identity. Basic facts about language related to identity, culture, attitudes, dialects, bilingualism. Case studies (local, national, international) with particular attention to nationalism, language revitalization, language planning.

Cross-listed course: POLI 240

Carolina Core: VSR

LING 241 - Language and Popular Culture (3 Credits)

Linguistic anthropological study of forms of language through the lens of popular culture. Explore the ethnography of communication through play and performance, discursive and semiotic practices, and varieties of language invoked in popular cultural forms that provide resources for cultural reproduction and contestation.

Cross-listed course: ANTH 271

LING 242 - Language and Humor at the Intersections of Religion, Race, Ethnicity, and Gender (3 Credits)

Explores language and humor, looking at (i) the linguistic structure and psychology of humor, (ii) changing societal standards for humor, (iii) racial, ethnic, religious, and gender-based humor, and (iv) socio-political questions surrounding the use of these.

LING 243 - Korean Popular Culture and Language (3 Credits)

Introduction to linguistic and anthropological concepts through the lens of South Korean popular culture.

LING 273 - Cross-Cultural Communication (3 Credits)

This course introduces students to the fields of interactional sociolinguistics and linguistic anthropology. Students will learn how they approach the study of cross-cultural and intercultural forms of (mis)communication within the context of globally interconnected people, places, and systems of communication.

Cross-listed course: ANTH 273

Carolina Core: GSS

LING 300 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: ANTH 373, PSYC 470

LING 301 - The English Language (3 Credits)

Introduction to the field of linguistics with an emphasis on English. Covers the English sound system, word structure, and grammar. Explores history of English, American dialects, social registers, and style.

Cross-listed course: ENGL 389

LING 303 - Chinese Language and Society (3 Credits)

A comprehensive and up-to-date survey of Chinese language in a social context, teaching students not only the linguistic structure of modern standard Chinese but also how language and society mutually influence each other in history and today's digital age. Hands-on instruction to carry out linguistic research.

Prerequisites: C or better in CHIN 121.

LING 305 - Special Topics in Linguistics III (3 Credits)

Reading and research on selected topics in linguistics that may require previous study in linguistics or a related field. Prerequisites listed for each course offering. May be repeated as content varies by title.

LING 314 - Spanish Phonetics and Pronunciation (3 Credits)

Analysis of and practice in pronunciation, listening comprehension, and dialect recognition based on study of the speech sounds, combinations, patterns, and processes of Spanish phonetics and phonology.

Department permission required for transfer students.

Prerequisites: C+ or better in SPAN 302; placement at 300 level of Phase II placement exam.

Cross-listed course: SPAN 317

LING 316 - French Phonetics (3 Credits)

Analysis of and practice in pronunciation and listening comprehension.

Prerequisites: C or better in both FREN 209 and FREN 210, or equivalents, or a score of F-6 on the French language placement exam.

Cross-listed course: FREN 300

LING 340 - Language, Culture, and Society (3 Credits)

Language in its social setting. The relationship between linguistic categories and culture categories. Language and cognition.

Cross-listed course: ANTH 355

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LING 345 - Language in the USA (3 Credits)

Linguistic examination of the structure, history, and use of language varieties in the U.S., with a particular focus on regional and sociocultural variation and relevant sociolinguistic issues.

Cross-listed course: ENGL 370

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

LING 395 - Teaching English Abroad (3 Credits)

An intensive, hands-on introduction to principles and techniques of teaching English language learners, exposing students to norms of the field of Teaching English to Speakers of Other Languages (TESOL), working with non-native English speakers, and discovering TESOL opportunities worldwide.

LING 399 - Independent Study (1-3 Credits)

Contract approved by instructor, advisor, and program director is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

LING 405 - Topics in Linguistics (3 Credits)

Intensive study of selected topics; may emphasize interdisciplinary themes.

LING 421 - English Grammar (3 Credits)

Major structures of English morphology and syntax; role of language history and social and regional variation in understanding contemporary English.

Cross-listed course: ENGL 450

LING 431 - Development of the English Language (3 Credits)

History of English from the earliest Old English texts through Middle English to Contemporary English. No previous knowledge of Old or Middle English is required.

Cross-listed course: ENGL 453

LING 440 - Language in Society (3 Credits)

Patterns in language use as a reflection of social group memberships or the negotiation of interpersonal relationships; special attention to social dialects and stylistic difference in American English.

Cross-listed course: ENGL 455

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 442 - African-American English (3 Credits)

Linguistic examination of the structure, history, and use of African-American English, as well as literary representations, language attitudes, and issues relating to education and the acquisition of Standard English.

Cross-listed course: AFAM 442, ANTH 442, ENGL 457

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 472 - Introduction to Technology in Language Education (3 Credits)

Acquaints students with principles and practices concerning the use of technology in foreign language teaching. Explores connections between second language acquisition and the implementation of Internet and multimedia technologies.

Prerequisites: FORL 511.

Cross-listed course: FORL 472

LING 474 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: ANTH 374, PSYC 474

LING 502 - French Linguistics (3 Credits)

The structure, morphology, and syntax of modern French.

Cross-listed course: FREN 517

LING 503 - Introduction to German Linguistics (3 Credits)

Structural and descriptive linguistics applied to the German language.

Cross-listed course: GERM 515

LING 504 - Introduction to Spanish Linguistics (3 Credits)

Phonology, morphology, and syntax of modern Spanish.

Prerequisites: C or better in SPAN 303.

Cross-listed course: SPAN 515

LING 505 - Interdisciplinary Topics in Linguistics (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes title. May be repeated with different title.

LING 512 - French Phonology (3 Credits)

The sound system and its functioning in the morphological system of French from the point of view of current phonological theory.

Cross-listed course: FREN 516

LING 514 - Contrastive English-Spanish Phonetics and Phonology (3 Credits)

Introduction to the study of phonetics and phonology and their application to the sounds and sound systems of English and Spanish. Includes transcription practice and discussion of relevance to teaching.

Cross-listed course: SPAN 517

LING 521 - Advanced English Grammar (3 Credits)

Practical survey of the syntactic structures of English; usage, social and regional variation emphasis on data.

Prerequisites: ENGL 450, LING 421, ENGL 680, or LING 600.

Cross-listed course: ENGL 550

LING 527 - Introduction to Mathematical Methods in Linguistics (3 Credits)

Introduction to mathematical mechanisms that play a prominent role in the formalization of syntactic and semantic theories, showing how they are applied to an understanding of the working parts of human language. The topics covered include: set theory, logic, English as a formal language, and languages & grammars.

LING 530 - Language Change (3 Credits)

Major ways in which phonetics, phonology, syntax, morphology, and semantics change through language history; social factors which promote innovation.

LING 533 - Introduction to the Germanic Languages (3 Credits)

Introduction to historical Germanic linguistics including a survey of the Old Germanic languages (Old English, Old Frisian, Old Saxon, Old High German, Old Norse, Gothic); comparative phonology, morphology, and syntax, typology of modern Germanic languages and dialects; and common Germanic in its Indo-European context.

Cross-listed course: GERM 517

LING 540 - Topics in Language and Culture (3 Credits)

Introduction to sociolinguistic issues, focusing on a single language. Course content varies and will be announced by title. May be repeated twice as topics vary.

LING 541 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: ANTH 555, WGST 555

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

LING 542 - Research in Language Conflict and Language Rights (3 Credits)

Research into the parameters governing linguistic conflicts and language rights issues, involving a close examination of the nexes of language and: individual and ethnic identity, culture, dialects, bilingualism. Examination of regional, national, and international case studies, with particular attention to nationalism, language revitalization, and language planning.

Cross-listed course: POLI 542

LING 543 - Discourse, Gender, and Politics of Emotion (3 Credits)

Anthropological approach to issues of discourse, gender, and emotion. Issues under consideration include the social control, force, and forms of emotional discourse and the relationship between emotion and culture from gender-oriented perspectives.

Cross-listed course: ANTH 586

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

LING 545 - Anthropological Approaches to Narrative and Performance (3 Credits)

The ways people from various cultures reflect on, reinforce, and construct their social realities through narrating, which will be considered as both artistic expression and social action.

Cross-listed course: ANTH 553

LING 546 - Japanese Language in Society (3 Credits)

Japanese language and communication in its socio-cultural context; emphasis on comparison with American English. Taught in English.

Cross-listed course: JAPA 500

LING 548 - German Sociolinguistics (3 Credits)

Introduction to the study of variation in Modern German. Traditional German dialectology and dialect geography, language and society, multilingualism in the German-speaking countries, German in contact with other languages.

Cross-listed course: GERM 518

LING 554 - The Structure of Modern Spanish (3 Credits)

Description of the grammatical structures of Modern Spanish. Intensive study of the theory and practice of word formation and sentence structure of Spanish.

Cross-listed course: SPAN 516

LING 556 - Language and Globalization (3 Credits)

Anthropological approach to issues of language and globalization. Linguistic consequences of globalization under consideration include communicative patterns, linguistic change, and language and political economy.

Cross-listed course: ANTH 556

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

LING 565 - Philosophy of Language (3 Credits)

An examination of concepts and problems such as meaning, reference, analyticity, definition, and the relation between logic and philosophy.

Prerequisites: PHIL 202.

Cross-listed course: PHIL 517

LING 567 - Psychology of Language (3 Credits)

Theories of speech perception, linguistic theories of syntax and semantics, the brain mechanisms underlying language, the development of language in children, and the role of language in thought.

Cross-listed course: PSYC 506

LING 570 - Introduction to Language Development (3 Credits)

The language acquisition process in normal children, including the development of semantics, morphology, syntax, phonology, and pragmatics; American dialects and bilingualism.

Prerequisites: COMD 501 and COMD 507.

Cross-listed course: COMD 570

LING 600 - Survey of Linguistics (3 Credits)

Survey of core areas of linguistics and extensions to closely related disciplines. Introduction to the linguistic component of human cognition. Formal description and analysis of the general properties of speech and language, the organization of language in the mind/brain, and cross-linguistic typology and universals.

Cross-listed course: ANTH 600, ENGL 680

LING 627 - Introduction to Semantics and Pragmatics (3 Credits)

Introduction to the study of linguistic meaning, including the following topics: meaning, reference, and truth; the connections among language, thought, and reality; word meaning and sentence meaning; possible worlds and modality; thematic roles; meaning and context; presupposition and implicature; speech acts; formal semantics; and cognitive semantics.

Prerequisites: C or better in any of LING 300, LING 301, LING 600, PHIL 114, PHIL 511.

Cross-listed course: PHIL 522

LING 650 - Introduction to Morphology (3 Credits)

Foundations of generative morphology, focusing on morphological data collection and analysis; the structure of the lexicon; and the interfaces between morphology and phonology, semantics, and syntax.

Prerequisites: LING 300, LING 301, or LING 600.

Management (MGMT)

MGMT 250 - Professional Communication (3 Credits)

Theory and practice of oral and written communication skills required in the contemporary business environment.

Prerequisites: ENGL 101, ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 371 - Principles of Management (3 Credits)

A comprehensive survey of the basic principles of management applicable to all forms of business. The course provides the student with a basis for thinking about complex business situations in the framework of analysis of the management process.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 374 - Strategic Human Resource Management (3 Credits)

A survey of the major approaches used in managing human resources. Covers selection, compensation, legal compliance, discipline, organizational restructuring, TQM, motivation, labor relations, and performance management.

Prerequisites: MGMT 371.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 376 - Employee Engagement (3 Credits)

Introduction to human behavior in organizations. Emphasis on factors that contribute to the effectiveness of individuals and groups in organizations.

Prerequisites: MGMT 371.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 401 - Negotiation and Conflict in the Workplace (3 Credits)

This course is designed to improve students' knowledge and skills in the areas of workplace conflict resolution and negotiations.

Prerequisites: MGMT 371.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 402 - Managing Teams in the Workplace (3 Credits)

Team dynamics in organizational settings; basic concepts of interpersonal behavior, how to facilitate effective teamwork and create, motivate, and participate in effective teams based on concepts in team design and team process.

Prerequisites: MGMT 371.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 403 - Leadership in Organizations (3 Credits)

Reviews research and practice in organizational leadership; provides students with self-assessment, developmental exercises, and case studies to prepare students for leadership roles.

Prerequisites: MGMT 371.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MGMT 404 - Compensation and Retention (3 Credits)

An examination of how organizations use pay and other types of rewards (both intrinsic and extrinsic) to affect employee motivation and behavior.

Prerequisites: MGMT 374.

MGMT 405 - Talent Management (3 Credits)

An examination of how organizations can improve workforce quality by making effective use of recruiting and selection processes. Attention is also given to the training and development of new hires and to legal issues that surround the staffing process.

Prerequisites: MGMT 374.

MGMT 406 - International Human Resource Management (3 Credits)

This course examines how human resources are managed within a global context. It examines how human resources are managed within global firms as well as across different cultural settings.

Prerequisites: MGMT 374.

Cross-listed course: IBUS 406

Graduation with Leadership Distinction: GLD: Global Learning

MGMT 407 - Corporate Social Responsibility and Stakeholder Management (3 Credits)

This course examines the role of corporate social responsibility in managing organizations. Attention is given to the role of stakeholder management and ethics in organizational decision-making.

Prerequisites: MGMT 371.

MGMT 408 - Diversity and Inclusion (3 Credits)

An introduction to diversity and inclusion in the workplace. Topics include the nature of workforce diversity and inclusion, practices that enhance diversity, inclusion, and effectiveness, and approaches for building inclusion.

Prerequisites: MGMT 371.

MGMT 425 - Analytics for the Human Resources Professional (3 Credits)

Metrics and measurements of HR concepts; processes through which knowledge is gained; tools and techniques for gathering and analyzing data; and critical thinking centered on whether findings are likely to be reproducible and trustworthy.

Prerequisites: C or better in both MGMT 371 and MGSC 291.

MGMT 431 - Intercultural Competencies for Working in International Teams (3 Credits)

How to recruit, lead, and collaborate more effectively in international teams by examining differences related to culture, work-values, economic climate, and career progression.

Prerequisites: IBUS 310.

Cross-listed course: IBUS 431

MGMT 472 - Entrepreneurship and Small Business (3 Credits)

This course is an introduction to the ownership and management of small firms, emphasizing their role in the U.S. economy, their particular demands on owners, and the effects of newness and smallness on their managers' decisions.

Prerequisites: MGMT 371.

MGMT 473 - Developing and Launching New Ventures (3 Credits)

Analysis of proposed business opportunities; planning and establishing a business organization to exploit an opportunity; management of small business.

Prerequisites: MGMT 472.

Experiential Learning: Experiential Learning Opportunity

MGMT 474 - Executing Strategy in New Ventures (3 Credits)

Influencing the performance of new ventures through the strategies, metrics, and resources needed for their development, monitoring, and funding.

Prerequisites: MGMT 472 and MGMT 473.

Experiential Learning: Experiential Learning Opportunity

MGMT 476 - Collective Bargaining (3 Credits)

Practice and structure of collective bargaining, and administration of collective agreements, law of union-management relations, labor history, and bargaining theory and practice.

Prerequisites: MGMT 371 and junior standing.

MGMT 478 - Strategic Management (3 Credits)

A study of the formulation and application of functionally integrated business policy by top management. Emphasis is on decision making in the face of changing conditions.

Prerequisites: MKTG 350, FINA 363, MGMT 371.

MGMT 479 - Advanced Issues in Entrepreneurship (3 Credits)

Intensive examination of situations currently faced by entrepreneurs and their firms and of practicable recommendations for action. Customarily involves consulting projects for local firms.

Prerequisites: MGMT 472 and MGMT 473.

MGMT 490 - Special Topics in Management (1-3 Credits)

Current topics, issues and practices in various areas of Management. Course may be repeated up to three (3) times as content varies by title.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

MGMT 499 - Business Internship in Management (3-6 Credits)

Supervised work experience as approved by department. Generally three hours of academic credit, but upon special request of supervising professor and approval of appropriate area director, an internship may carry a maximum of six hours credit, however, only three hours may apply towards major credit. Pass-Fail only. Internship contract required.

Prerequisites: Completion of DMSB core curriculum except MGMT 478, plus at least one additional course in the student's major field of study. Cumulative GPA of 2.75 or consent of instructor.

Experiential Learning: Experiential Learning Opportunity

MGMT 590 - Special Topics in Management (3 Credits)

Current topics, issues and practices in various areas of Management. Course may be repeated up to four (4) times as content varies by title.

Management Science (MGSC)

MGSC 290 - Computer Information Systems in Business (3 Credits)

An introduction to the effective use of information systems tools in day-to-day business communications, analysis, and decision making.

MGSC 291 - Applied Statistics for Business (3 Credits)

Descriptive statistics, topics in probability, statistical inference and modeling. Emphasis on the collection, summarization, analysis, and reporting of numerical findings relevant to business decisions and economic analysis.

Prerequisites: STAT 206.

MGSC 298 - Program Design and Development (3 Credits)

Fundamental algorithms and processes used in business information systems. Development and representation of programming logic. Introduction to implementation using a high-level programming language.

Prerequisites: CSCE 101 or MGSC 290 or ITEC 264.

Cross-listed course: CSCE 204, ITEC 204

MGSC 390 - Business Information Systems (3 Credits)

Introduction to the planning, development, and management of Business Information Systems (BIS) and related information technologies in organizations. Topics include hardware, software, database, telecommunications, and the Internet.

Prerequisites: MGSC 290 or equivalent.

MGSC 391 - Applied Statistical Modeling (3 Credits)

Multiple regression, ANOVA, forecasting, quality control, and nonparametric techniques. Emphasis is on the application of these statistical models in business decision making.

Prerequisites: MGSC 291.

MGSC 392 - Quantitative Analysis for Business Decision Making (3 Credits)

Quantitative approaches for managerial problem solving and decision making. Formulation, solution, analysis, and interpretation of spreadsheet-based models for common business decision-making situations. Optimization, simulation, decision analysis.

Prerequisites: MGSC 291.

MGSC 393 - Advanced Management Science (3 Credits)

Advanced topics in management science; stochastic models, nonlinear programming, dynamic programming, Markov processes, and multiple criteria decision models.

Prerequisites: MGSC 392.

MGSC 394 - Data Analytics for Business (3 Credits)

Extracting, transforming, visualizing, and analyzing data to support business intelligence and decision making. Business analytics, relational database management, principles and applications of data visualization.

Prerequisites: C or better in MGSC 290 and MGSC 291.

MGSC 395 - Operations Management (3 Credits)

Management of activities/resources that result in the production of competitive goods and services in the global market place. Integrates cross-functional concepts from marketing, finance, and management.

Prerequisites: C or better in MGSC 291.

MGSC 398 - Applied Problem Solving and Programming (3 Credits)

Systematic problem definition, solution formulation, and computer implementation for business and related areas. Internet and database applications. Programming exercises in a high-level programming language.

Prerequisites: CSCE 204 or MGSC 298.

Cross-listed course: CSCE 304

MGSC 405 - International Information Systems (3 Credits)

An examination of the challenges and opportunities associated with the development, management, and use of global information systems.

Cross-listed course: IBUS 405

Graduation with Leadership Distinction: GLD: Global Learning

MGSC 450 - Special Topics in Management Science (1-3 Credits)

Current topics, issues and practices in various areas of Management Science. Course may be repeated up to three (3) times as content varies by title.

Prerequisites: C or better in MGSC 395.

MGSC 485 - Business Process Management (3 Credits)

Course entails learning and applying cutting-edge concepts and techniques of business process analyses to process improvement initiatives such as reengineering, lean, and six-sigma.

Prerequisites: MGSC 395.

MGSC 486 - Service Operations Management (3 Credits)

Course focuses on the management of service operations, with considerable attention paid to cutting-edge quantitative techniques. Topics covered include facility location, waiting line management, and revenue management, among others.

Prerequisites: C or better in MGSC 291 and MGSC 395.

MGSC 487 - Global Sourcing Strategies and Application (3 Credits)

Course covers skills necessary to pursue sourcing-related careers in manufacturing, services, retailing, and government agencies, including discussion of cutting-edge negotiation and global sourcing strategies pursued in exemplar firms.

Prerequisites: MGSC 395.

Graduation with Leadership Distinction: GLD: Global Learning

MGSC 488 - Innovation and Design (3 Credits)

Creation and launch of viable businesses using innovation tournaments. Development of problem solving and design skills. Application to real innovation and entrepreneurial hurdles.

Prerequisites: C or better in MGSC 395.

MGSC 489 - Sustainable Operations & Supply Chain (3 Credits)

This course explores how operations managers can analyze and make decisions regarding the interaction of operations activities on the environment. Students will learn various tools to enable better decision making within the sustainable operations realm.

Prerequisites: C or better in MGSC 395.

MGSC 490 - Information Systems Analysis and Design (3 Credits)

Analysis and design of business information systems using modern tools, techniques, and methodologies.

Prerequisites: MGSC 394 or CSCE 145, and MGSC 390.

Graduation with Leadership Distinction: GLD: Research

MGSC 491 - Supply Chain Management (3 Credits)

This course examines principles governing an integrated supply chain that includes the cross-functional processes of sourcing, inventory management, and logistics. Key tools for managing supply chains will also be discussed.

Prerequisites: C or better in MGSC 395.

MGSC 492 - Logistics, Transportation and Distribution (3 Credits)

This course is designed to provide a body of knowledge, technical know-how, and standards for those in the logistics, transportation and distribution industries.

MGSC 494 - Business Telecommunications (3 Credits)

Identifies and explains the principal technologies, concepts, and techniques currently applied in the business data communications field. Current and future hardware and software technologies, networking, protocols, and the OSI Model are covered.

Prerequisites: MGSC 390.

MGSC 495 - Supply Chain Planning and Execution (4 Credits)

Managing the flow of materials from suppliers to customers; supply chain concepts, terminology, and relationships; processes used to develop operations plans.

Prerequisites: MGSC 395.

MGSC 497 - GSCOM Capstone Project (4 Credits)

Course entails executing projects that apply GSCOM concepts to solve significant operational or supply-chain problems at simulated or actual firms. Teams write recommendation reports and oversee sourcing strategies pursued in exemplar firms.

Prerequisites: MGSC 395, MGSC 485, MGSC 486, and MGSC 487.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

Experiential Learning: Experiential Learning Opportunity

MGSC 498 - Project Management for Business (3 Credits)

An introduction to the qualitative and quantitative approaches to the management of projects as well as a review MS Project software.

MGSC 520 - Forecasting and Time Series (3 Credits)

Time series analysis and forecasting using the multiple regression and Box-Jenkins approaches.

Prerequisites: C or better in STAT 516 or MGSC 391.

Cross-listed course: STAT 520

MGSC 525 - Statistical Quality Control (3 Credits)

Statistical procedures for process control including CUSUM and Shewhart Control Charts, and lot acceptance sampling.

Prerequisites: MGSC 291 or STAT 509 or STAT 515.

Cross-listed course: STAT 525

MGSC 590 - E-Commerce Concepts and Research Topics (3 Credits)

Social, technological, commercial, marketing, and political implications of current and impending trends in E-Commerce.

Prerequisites: MGSC 390.

MGSC 591 - Simulation of Business Systems (3 Credits)

Theory and design of business simulation experiments, development and use of computer simulation models, and analysis of data generated by computer simulation experiments.

Prerequisites: MGSC 291.

MGSC 592 - Analysis of Decisions Under Uncertainty (3 Credits)

Theory and practice of making decisions in an environment of uncertainty; development of skill in the assessment of preferences and probability distributions.

Prerequisites: MGSC 291.

MGSC 594 - Strategic Management of Information Systems (3 Credits)

Strategic management and use of information systems in organizations.

Cross-listed course: CSCE 594

MGSC 596 - Database Management for Business (3 Credits)

Technology overview and principles of database design for business applications. Enterprise database administration and planning. Design exercises and projects using the latest database management systems software.

MGSC 690 - Quantitative Foundations for Business and Economics I (3 Credits)

Calculus and classical optimization methods applied to problems in business and economic analysis; matrices, derivatives, and integrals in the analysis of both univariate and multivariate business and economic models.

MGSC 691 - Quantitative Foundations for Business and Economics II (3 Credits)

Statistics and probability theory applied to problems of business and economic analysis.

Prerequisites: MGSC 690 or ECON 690.

MGSC 692 - Quantitative Methods I (3 Credits)

Probability and statistics necessary for graduate study in economics and business administration; estimation, hypothesis testing, regression, analysis of variance, and nonparametric methods.

MGSC 694 - Quantitative Methods II (3 Credits)

Decision models useful in business and economics; linear programming, sensitivity analysis and duality, network models, integer programming, dynamic programming, inventory and queuing, and simulation.

Prerequisites: MGSC 692 or equivalent.

Marine Science (MSCI)

MSCI 101 - The Ocean Environment (4 Credits)

Origin and evolution of the oceans, plate tectonics, ocean circulation, waves and tides, seawater and sediment composition, and influences on biology. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 102 - The Living Ocean (4 Credits)

Origin, evolution, and diversity of marine life, biological production, trophic dynamics, nutrient cycles, marine resources, and environmental concerns. Three lecture and three laboratory hours per week. Scheduled field trips required.

Carolina Core: SCI

MSCI 210 - Oceans and Society (3 Credits)

A nontechnical introduction to human interactions with the marine environment: marine organisms, marine systems, and the physical and chemical characteristics of oceans and estuaries. Not available for marine science major credit.

Carolina Core: SCI

MSCI 210L - Oceans and Society Laboratory (1 Credit)

Experiments and exercises which illustrate how specific components of marine environments are structured, function, and can be measured. Two laboratory hours per week. Not available for marine science major credit. Attendance on designated field trips may be required.

Prerequisite or Corequisite: MSCI 210.

Carolina Core: SCI

MSCI 215 - Coastal Environments of the Southeastern US (3 Credits)

Coastal zones of South Carolina and neighboring states, including geologic history, geomorphology, stratigraphy, hydrogeology, shoreline processes, environmental issues, and effect of man. Not available for geological science or marine science major credit. Three lecture hours each week plus optional field trips.

Carolina Core: SCI

MSCI 215L - Coastal Environments of the Southeastern U.S. (Laboratory) (1 Credit)

Exercises examining coastal ecology, geomorphology, hydrogeology, shoreline processes, environmental issues, and human impact. Two laboratory hours per week. Scheduled field trips required. Not available for marine science major credit.

Prerequisite or Corequisite: MSCI 215 or GEOL 215.

Cross-listed course: GEOL 215L

Carolina Core: SCI

MSCI 305 - Ocean Data Analysis (3 Credits)

Instrumentation, oceanographic time series, spatial and directional data sets, and basic parametric modeling.

Prerequisites: MSCI 101 and MATH 141.

Graduation with Leadership Distinction: GLD: Research

MSCI 311 - Biology of Marine Organisms (4 Credits)

Biological concepts emphasizing adaptation to marine environments. Laboratory experiments emphasize principles and techniques of marine biological study. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: MSCI 102 or BIOL 101.

MSCI 313 - The Chemistry of the Sea (4 Credits)

Biogeochemical cycling, carbonate chemistry, climate change, hydrothermal vents, stable isotopes, trace metals, radioactive tracers, mass balance, and properties of sea water. Three lecture and three laboratory hours per week.

Prerequisites: C or better in MSCI 101, CHEM 111, CHEM 112, and MATH 141.

MSCI 314 - Physical Oceanography (4 Credits)

Properties of seawater, mass and momentum balances, circulation, mixing, waves and other processes in the marine environment.

Prerequisites: MSCI 101, MATH 141 and PHYS 201 or PHYS 211.

MSCI 335 - Processes of Global Environmental Change (4 Credits)

The science of global change, its relation to the hydrosphere, atmosphere, lithosphere, and biosphere. Global system science, biogeochemical cycles, paleoclimatology, glaciation, and eustasy.

Cross-listed course: GEOL 335

MSCI 375 - The Deep Sea (3 Credits)

The Deep Sea is an interdisciplinary, scientific survey of the geology, biology, chemistry, and physical setting of the deep-sea (more than 1000 m depth).

MSCI 390 - Policy and Marine Science (3 Credits)

Analysis of past and current issues in global and national marine policy. Relationship between science and policymakers.

MSCI 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MSCI 450 - Principles of Biological Oceanography (3 Credits)

Principles and methods of measuring production in the sea. Emphasis on the ocean's role in the global carbon budget. Three lecture hours per week. Scheduled field trips are required.

Prerequisites: MSCI 311, BIOL 301.

Cross-listed course: BIOL 450

MSCI 460 - Field and Laboratory Investigations in Marine Science (1-4 Credits)

Intensive inquiry-based investigations combining oceanographic field sampling with laboratory measurements of collected samples using modern analytical instrumentation, and with analysis and integration of data into a final research report. Most of the course is conducted in residence at a marine field site.

Prerequisites: C or better in MSCI 101 and MSCI 102 or C or better in BIOL 101 and 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

MSCI 495 - Internship in Marine Science (0-6 Credits)

Internship experience that offers practical field or laboratory experience in oceanography and/or related marine sciences. Course content varies and will be announced by title in schedule of courses. Usually conducted off campus and student must be able to access internship on their own.

Prerequisites: C or better in MSCI 311, MSCI 313 and MSCI 314.

MSCI 496 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 497 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 498 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 499 - Undergraduate Research (3 Credits)

Student research on problems of fundamental significance in collaboration with faculty mentors. Emphasis on critical thinking, problem solving, proposal development, scientific writing, and professional presentation. Nine hours of laboratory, field, or library work per week.

Graduation with Leadership Distinction: GLD: Research

MSCI 501 - Principles of Geomorphology (3 Credits)

The process of earth denudation with emphasis on chemistry of weathering, stream and erosion hydraulics, quantitative analysis of land form evolution.

Prerequisites: C or better in GEOL 101.

Cross-listed course: GEOL 501

MSCI 502 - Principles of Coastal Geomorphology (4 Credits)

Geological and physical controls on the morphology, development, and stability of coastlines. Analysis of waves and erosional processes, and coastal zone morphodynamics. Several required field trips.

Prerequisite or Corequisite: MATH 122 or MATH 141.

Cross-listed course: GEOL 502

MSCI 503 - Environmental Microbiology (3 Credits)

An overview of the microbial world including a survey of the distribution, functioning, and diversity of microorganisms in natural systems. Discusses the crucial roles that microorganisms play in ecosystem function, biogeochemical cycles, and environmental quality.

Prerequisites: MSCI 102 or BIOL 102, CHEM 112.

Cross-listed course: BIOL 502

MSCI 505 - Senior Seminar (1 Credit)

CL: 2020.

MSCI 509 - MATLAB-Based Data Analysis in Ocean Sciences (3 Credits)

MATLAB-based course in processing, analysis, and visualization of large oceanographic data sets. Includes scalar and vector time series measured at fixed locations as well as shipboard surveys of oceanographic characteristics varying both in 3-D and in time. Methods and techniques are relevant to other geoscience disciplines.

Prerequisites: MATH 141.

MSCI 510 - Invertebrate Zoology (4 Credits)

Phylogenetic and comparative aspects of anatomy, physiology, reproduction, and embryology of the invertebrates. Three lecture and one three-hour laboratory period per week.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 510

Graduation with Leadership Distinction: GLD: Research

MSCI 511 - Advanced Paleontology (3 Credits)

Systematic, ecologic, biogeographic, and evolutionary aspects of paleontology; lectures, practical exercises, field trips.

Prerequisites: C or better in GEOL 305.

Cross-listed course: GEOL 511

MSCI 515 - Marine Micropaleontology (4 Credits)

Marine microfossils; distribution, ecology, paleoecology, and biostratigraphy; use of microfossils in marine sediments to study oceanographic history. Three lectures and two laboratory hours per week.

Cross-listed course: GEOL 515

MSCI 521 - Introduction to Geochemistry (3 Credits)

Investigation of low temperature chemical reactions controlling the geochemistry of the earth's surface. Emphasis on CO₂, carbonates, oxidation reduction, thermodynamics, isotopes, biogeochemistry.

Cross-listed course: GEOL 521

MSCI 524 - Environmental Radioisotope Geochemistry (3 Credits)

Introduction to radioactivity and the use of radionuclides to study environmental processes, including age-dating and biogeochemical cycling in aquatic systems.

Prerequisites: C or better in CHEM 111, CHEM 112, and MATH 141.

Cross-listed course: GEOL 524

MSCI 525 - Marine Plants (4 Credits)

Diversity, distribution, physiology, ecology, evolution, and economic importance of marine algal, seagrass, and mangrove communities. Three lecture and three laboratory hours per week. Scheduled field trips are required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 525

MSCI 535 - Fishery Management (3 Credits)

Management and conservation of aquatic and marine resources, with emphasis on fisheries. Data procurement and analysis; commercial and recreational fisheries; sociological, political, legal, and environmental factors that affect fishery management; and fish biodiversity.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 535

MSCI 536 - Ichthyology (4 Credits)

Phylogeny, morphology, behavior, and ecology of fishes. Three lecture and 3 laboratory hours plus three field trips to be arranged.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 536

Graduation with Leadership Distinction: GLD: Research

MSCI 537 - Aquaculture (3 Credits)

Introduction to the practical and scientific aspects of the commercial culture of freshwater and marine organisms. Three lecture hours per week. One all-day field trip required.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 537

MSCI 538 - Behavior of Marine Organisms (4 Credits)

The identification of behavioral adaptations of estuarine and marine organisms: their ecology, physiology, development, and evolutionary history; field observations.

Prerequisites: BIOL 101 and BIOL 102 or MSCI 311.

Cross-listed course: BIOL 538

Graduation with Leadership Distinction: GLD: Research

MSCI 545 - Geological Oceanography (3 Credits)

A comprehensive study of the origin and development of the major structural features of the ocean basins and the continental margins. Discussion of the techniques used in obtaining geologic data and the interpretation of sedimentary processes, vulcanism, and the stratigraphy of the ocean basins.

Cross-listed course: GEOL 545

MSCI 550 - Sedimentary Simulations and Sequence Stratigraphy (4 Credits)

Problems of sequence stratigraphy resolved with graphic computer simulations. Sedimentary fill of basins by carbonates and/or clastics tracked as a function of rate of sediment accumulation, tectonic behavior and sea level. Includes laboratory.

Prerequisites: GEOL 301.

Cross-listed course: GEOL 550

MSCI 552 - Population Genetics (3 Credits)

An introduction to the principles of population genetics, with emphasis on the origin, maintenance, and significance of genetic variation in natural populations.

Prerequisites: C or better in BIOL 301 or MSCI 311.

Cross-listed course: BIOL 552

Graduation with Leadership Distinction: GLD: Research

MSCI 553 - Marine Sediments (3 Credits)

Marine sedimentary environments; physical/biological factors which control the formation and distribution of modern marine sediments.

Prerequisites: GEOL 516.

Cross-listed course: GEOL 553

MSCI 555 - Conservation and Health in Marine Systems (3 Credits)

Introduces the field of conservation and explores the intersection between conservation and environmental health with a particular focus on coastal and marine case studies.

MSCI 557 - Coastal Processes (3 Credits)

Physical and geological processes controlling the formation and evolution of beach, barrier, and nearshore environments, including discussion of coastal management issues.

Cross-listed course: GEOL 557

MSCI 566 - Ecosystem Analysis (3 Credits)

The formulation and simulation of compartment models of marine and terrestrial ecosystems with complex nutrient cycling, food chains, and energy flow. Analog and digital simulation techniques. Ecosystem stability and sensitivity. Organization, structure, and diversity of an ecosystem.

MSCI 568 - Introduction to Micrometeorology (3 Credits)

Small-scale processes in the atmospheric boundary layers, including energy budget, radiation, soil heat transfer, humidity, viscous flows, turbulence, momentum and heat exchanges, evaporation, and marine atmospheric boundary layer.

Prerequisites: C or better in PHYS 201 and MATH 141.

Cross-listed course: GEOL 568

MSCI 574 - Marine Conservation Biology (3 Credits)

Exploration of how human activities affect marine natural populations, species, communities and ecosystems, including threats to biodiversity; approaches to marine conservation; and ecological and evolutionary responses to anthropogenic disturbance.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 574

MSCI 575 - Marine Ecology (3 Credits)

Structure, dynamics, and interactions between populations and communities in marine ecosystems. Attendance at designated departmental seminars is required. Three lecture hours per week.

Prerequisites: CHEM 111 and BIOL 301 or MSCI 311.

Cross-listed course: BIOL 575

MSCI 575L - Marine Ecology Laboratory (1 Credit)

Laboratory and field exercises in coastal environments. Three hours per week plus field trips.

Prerequisite or Corequisite: MSCI 575.

Cross-listed course: BIOL 575L

MSCI 576 - Marine Fisheries Ecology (3 Credits)

Interdisciplinary examination of the distribution, reproduction, survival, and historical variation of the principal commercial marine fisheries.

Prerequisites: BIOL 301.

Cross-listed course: BIOL 576

MSCI 577 - Ecology of Coral Reefs (4 Credits)

Structure, productivity, and biodiversity of coral reefs, emphasizing their sensitivity, stability, and sustainability. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: BIOL 301 or MSCI 311.

Cross-listed course: BIOL 577

MSCI 578 - Physiological and Pollution Ecology of Marine Organisms (3 Credits)

Functional adaptation of marine plants and animals to ecological stresses including pollution. Three lecture hours per week.

Prerequisites: MSCI 311 or equivalent.

MSCI 579 - Air-Sea Interaction (3 Credits)

The physical mechanism responsible for interaction between the ocean and the atmosphere and the influence of air-sea interaction on atmospheric and oceanic dynamics and thermodynamics on a wide variety of spatial/temporal scales.

Cross-listed course: GEOL 579

MSCI 580 - Satellite Oceanography (3 Credits)

This course provides knowledge of various techniques used in satellite remote sensing of the oceans. Key skills will be developed in satellite data processing, image analysis, and hands-on research.

Cross-listed course: GEOL 580

MSCI 581 - Estuarine Oceanography (3 Credits)

Estuarine kinematics and dynamics; classification of estuaries; estuarine circulation and mixing. Scheduled field trips are required.

Prerequisites: MSCI 314.

Cross-listed course: GEOL 581

MSCI 582 - Marine Hydrodynamics (3 Credits)

Basic principles of fluid statics and dynamics. Conservation of mass, momentum, and energy; viscosity, vorticity, and boundary layers with examples from the marine environment. Applications to and analysis of ocean currents and waves.

Prerequisites: C or better in MATH 241 and C or better in either PHYS 201 or PHYS 211.

Cross-listed course: GEOL 582

MSCI 583 - Geology and Geochemistry of Salt Marshes (3 Credits)

Geological and geochemical processes in salt marshes. Methods of geological research in marshes including instrumental techniques, sampling design, and data analysis. Two lectures per week plus four weekends of project oriented fieldwork and/or equivalent lab work. Scheduled field trips are required.

Cross-listed course: GEOL 583

MSCI 585 - Coastal Tropical Oceanography (4 Credits)

Descriptive oceanography of mangrove and coral reef coasts with emphasis on physical processes. Taught as an extended field experience with daily lectures and guided research activities.

Prerequisites: MSCI 312.

MSCI 590 - Beach-Dune Interactions (3 Credits)

Influence of wind on coastal systems, with emphasis on nearshore currents, sediment transport and bedforms, aeolian transport, and dunes. Minimum Junior standing required.

Cross-listed course: GEOG 590

MSCI 599 - Topics in Marine Science (1-3 Credits)

Current developments in marine science selected to meet faculty and student interests. Course content varies and will be announced by title in schedule of courses.

MSCI 624 - Aquatic Chemistry (3 Credits)

Study of the chemical reactions and processes affecting the distribution of chemical species in natural systems. Three lecture hours per week.

Prerequisite or Corequisite: CHEM 321, MATH 142.

Cross-listed course: CHEM 624

MSCI 627 - Marine Phytoplankton (3 Credits)

Examines the physiology and ecology of phytoplankton, including environmental controls on community composition, primary productivity, and detection and characterization of water quality (eutrophication) and harmful algal blooms.

Prerequisites: MSCI 102 or MSCI 450 or BIOL 450.

Cross-listed course: BIOL 627

Marketing (MKTG)

MKTG 350 - Principles of Marketing (3 Credits)

Principles and concepts underlying marketing functions, including the conception, pricing, promotion, and distribution of products and services and the role of marketing in society.

Prerequisites: ECON 221, ECON 222, ACCT 225, and ACCT 226 for Business Administration majors; ECON 224 and ACCT 222 for non-Business Administration majors.

MKTG 351 - Consumer Behavior (3 Credits)

The consumer decision process, with emphasis on consumer decision making, satisfaction/dissatisfaction factors, perception, learning, group influences, and marketing strategy implications.

Prerequisites: C or better in MKTG 350.

MKTG 352 - Principles of Marketing Research (3 Credits)

Investigates the theory and practice of marketing research with emphasis on the problem-oriented nature of marketing research and how research activities are implemented by marketing researchers and used by managers.

Prerequisites: MKTG 350, MGSC 291.

Graduation with Leadership Distinction: GLD: Research

MKTG 445 - Sales Strategy (3 Credits)

Understand the fundamentals of the sales process and how to ensure client engagement. Learn follow-up skills that will help you in every walk of life. Learn the fundamentals of effective business communication (voicemail, email, and hand-written).

Prerequisites: MKTG 350.

MKTG 446 - Sales Automation and Customer Management (3 Credits)

The context, tools and conceptual understanding of the technology-related and managerial expectations of an entry level sales representative.

Prerequisites: MKTG 350.

MKTG 447 - Pricing Strategy and Analytics (3 Credits)

An in-depth understanding of the fundamentals of pricing strategy formulation and implementation.

Prerequisites: MKTG 350.

MKTG 448 - Data Science for Business Decision-Making (3 Credits)

The conceptual, applied, and managerial elements of advanced data science methods for business decision-making.

Prerequisites: B+ or better in MGSC 291.

MKTG 451 - Topics in Marketing (3 Credits)

Reading and research on selected topics in marketing. Course content varies and will be announced in the schedule of classes by title.

Prerequisites: MKTG 350.

Graduation with Leadership Distinction: GLD: Research

MKTG 453 - Marketing Practicum (3 Credits)

Students form a working marketing agency and complete a real-world marketing campaign for a client. Working as a team, they apply marketing theory and concepts to a substantively important marketing problem.

Prerequisites: MKTG 350, MKTG 351, MKTG 352.

MKTG 454 - Business-to-Business Marketing (3 Credits)

Marketing strategy in marketing to other business and nonprofit organizations, emphasizing relationship building, alliances and partnerships, data interchange, power shifts in the channel and the impact of changing technology.

Prerequisites: MKTG 350.

MKTG 455 - Marketing Communications and Strategy (3 Credits)

Integration of advertising, sales promotion, point-of-purchase communications toward the goal of enhancing brand equity.

Prerequisites: MKTG 350.

MKTG 457 - Personal Selling and Sales Management (3 Credits)

Examines fundamentals of personal selling and sales management and the development of communication and selling skills that yield desired sales results.

Prerequisites: MKTG 350.

MKTG 459 - Marketing Channels and Distribution (3 Credits)

Marketing functions and channel flows used to develop distribution strategies that provide effective, efficient, and reliable delivery of products and services to end-user markets.

Prerequisites: MKTG 350.

MKTG 460 - Product and Brand Management (3 Credits)

The primary tasks involved in developing marketing strategies from a product and/or brand management perspective, including product policy, competitive analysis, pricing, brand equity management, marketing information systems management, sales forecasting and monitoring customer satisfaction.

Prerequisites: C or better in MKTG 350.

MKTG 461 - Retailing Management (3 Credits)

Studies retail institutions, relationships with other channel members, factors influencing patronage patterns, adapting to change in dynamic environments with emphasis on strategy implications for managers in retail organizations.

Prerequisites: MKTG 350.

MKTG 465 - Marketing Strategy and Planning (3 Credits)

Management of marketing organizations and integration of functions, with emphasis on planning and designing strategies and applying tools and techniques for problem solving and decision making. For marketing majors only.

Prerequisites: MKTG 350, MKTG 352.

MKTG 470 - Digital Marketing & Social Media Analytics (3 Credits)

This course aims to prepare students to be effective leaders in marketing analytics, especially in the dynamic context of digital platforms and social media.

Prerequisites: C or better in MKTG 350.

MKTG 472 - Business, Markets and Sustainability (3 Credits)

Sustainability (environmental, social, and economic performance) is a top priority for CEOs and is increasingly embedded into business strategy, resulting in changing business models, product strategies and innovation, etc. This course explores the challenges and opportunities facing businesses through a sustainability lens. Through readings, speakers, discussions and critical thinking exercises, students will gain exposure to the key environmental and social issues facing businesses today and how they are reacting. Emphasis will be placed on understanding the tradeoffs between economic, environmental and social performance. Throughout the semester, students will analyze the complex tradeoffs and leverage various frameworks to understand how businesses determine their strategic priorities, measure performance, and communicate that to key stakeholders.

MKTG 475 - Consultative Selling with Certification (3 Credits)

Understand and demonstrate benefit and solution-based sales processes. Create daily discipline to drive sales performance.

Prerequisites: C or better in MKTG 350.

MKTG 477 - Social Media Marketing (3 Credits)

An introduction to Marketing on the predominant social media platforms (e.g. Facebook, Instagram, Twitter, etc).

Prerequisites: C or better in MKTG 350.

Mathematics (MATH)

MATH 111 - Basic College Mathematics (3 Credits)

Basic college algebra; linear and quadratic equations, inequalities, functions and graphs of functions, exponential and logarithm functions, systems of equations.

Prerequisites: placement through Algebra version of the Mathematics Placement Test.

MATH 111I - Intensive Basic College Mathematics (4 Credits)

An intensive treatment of the topics covered in MATH 111.

Prerequisites: placement through Algebra version of the Mathematics Placement Test.

MATH 112 - Trigonometry (2 Credits)

Topics in trigonometry specifically needed for MATH 141, MATH 142, MATH 241. Circular functions, analytic trigonometry, applications of trigonometry. Credit may not be received for both MATH 112 and MATH 115.

Prerequisites: C or better in MATH 111 or MATH 111I, or placement through Algebra version of the Mathematics Placement Test.

MATH 115 - Precalculus Mathematics (4 Credits)

Topics in algebra and trigonometry specifically needed for MATH 141, MATH 142, MATH 241. Subsets of the real line, absolute value; polynomial, rational, inverse, logarithmic, exponential functions; circular functions; analytic trigonometry.

Prerequisites: C or better in MATH 111 or MATH 111I, or placement through Precalculus version of the Mathematics Placement Test.

MATH 116 - Brief Precalculus Mathematics (2 Credits)

Essential algebra and trigonometry topics for Calculus, including working with equations that involve polynomials, rational functions, exponential and logarithmic functions, and trigonometric and inverse trigonometric functions. Intended for students with prior experience in Precalculus, but not ready for MATH 141.

Prerequisites: C or better in MATH 112 or MATH 115, or placement through Precalculus version of the Mathematics Placement Test.

MATH 122 - Calculus for Business Administration and Social Sciences (3 Credits)

Derivatives and integrals of elementary algebraic, exponential, and logarithmic functions. Maxima, minima, rate of change, motion, work, area under a curve, and volume.

Prerequisites: C or better in MATH 111, MATH 111I or MATH 115 or placement through Algebra version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 141 - Calculus I (4 Credits)

Functions, limits, derivatives, introduction to integrals, the Fundamental Theorem of Calculus, applications of derivatives and integrals. Four classroom hours and one laboratory hour per week.

Prerequisites: C or better in MATH 112, MATH 115, or MATH 116, or placement through Precalculus version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 142 - Calculus II (4 Credits)

Methods of integration, sequences and series, approximations. Four classroom hours and one laboratory hour per week.

Prerequisites: C or better in MATH 141.

Carolina Core: ARP

MATH 151 - Calculus Workshop I (1 Credit)

Small study group practice in applications of calculus. For elective credit only.

Corequisite: MATH 141.

MATH 152 - Calculus Workshop II (1 Credit)

MATH 152 is part of a pilot program at UofSC to help at-risk students in Calculus I & II. It is for elective credit only. The class will consist of small study group practice in applications of calculus.

Corequisite: MATH 142

MATH 170 - Finite Mathematics (3 Credits)

Elementary matrix theory; systems of linear equations; permutations and combinations; probability and Markov chains; linear programming and game theory.

Prerequisites: C or better in MATH 111 or MATH 1111 or MATH 122, or placement through Algebra version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 172 - Mathematical Modeling for the Life Sciences (3 Credits)

Biological modeling with differential and difference equations; techniques of model modifications; analytic, numerical, and graphical solution methods; equilibria, stability, and long-term system behavior; geometric series; vectors, matrices, eigenvalues, and eigenvectors. Applications principally to population dynamics and compartment models.

Prerequisites: C or better in MATH 122 or MATH 141.

Carolina Core: ARP

MATH 174 - Discrete Mathematics for Computer Science (3 Credits)

Logic, number theory, sequences, series, recursion, mathematical induction, set theory, enumeration, functions, relations, graphs and trees. Connections to computers and to programming are emphasized when possible.

Prerequisites: C or better in MATH 115, MATH 116, MATH 122, or MATH 141, or placement through the pre-calculus version of the Mathematics Placement Test.

Carolina Core: ARP

MATH 198 - Introduction to Careers and Research in the Mathematical Sciences (1 Credit)

An overview of different areas of mathematical research and career opportunities for mathematics majors. Pass/fail only.

Prerequisites: C or better in MATH 141.

Graduation with Leadership Distinction: GLD: Research

MATH 221 - Basic Concepts of Elementary Mathematics I (3 Credits)

The meaning of number, fundamental operations of arithmetic, the structure of the real number system and its subsystems, elementary number theory. Open only to students in elementary or early childhood teacher certification.

Prerequisites: C or better in MATH 111 or MATH 1111 or placement through Algebra version of the Mathematics Placement Test.

MATH 222 - Basic Concepts of Elementary Mathematics II (3 Credits)

Informal geometry and basic concepts of algebra. Open only to students in elementary or early childhood teacher certification.

Prerequisites: C or better in MATH 221.

MATH 241 - Vector Calculus (3 Credits)

Vector algebra, geometry of three-dimensional space; lines, planes, and curves in space; polar, cylindrical, and spherical coordinate systems; partial differentiation, max-min theory; multiple and iterated integration, line integrals, and Green's theorem in the plane.

Prerequisites: C or better in MATH 142.

MATH 242 - Elementary Differential Equations (3 Credits)

Ordinary differential equations of first order, higher order linear equations, Laplace transform methods, series methods; numerical solution of differential equations. Applications to physical sciences and engineering.

Prerequisites: C or better in MATH 142.

MATH 300 - Transition to Advanced Mathematics (3 Credits)

Rigor of mathematical thinking and proof writing via logic, sets, and functions. Intended to bridge the gap between lower-level (computational-based) and upper-level (proof-based) mathematics courses.

Prerequisites: C or better in MATH 142.

MATH 344 - Applied Linear Algebra (3 Credits)

General solutions of systems of linear equations, vector spaces and subspaces, linear transformations, determinants, orthogonality, characteristic polynomials, eigenvalues and eigenvectors, singular value decomposition, and generalized inverse. MATH 344L is an optional laboratory course where additional applications will be discussed.

Prerequisites: C or better in MATH 142.

MATH 344L - Applied Linear Algebra Lab (1 Credit)

Computer based applications of linear algebra for science and engineering students. Topics include numerical analysis of matrices, direct and indirect methods for solving linear systems, and least squares method (regression). Typical applications include practical issues related to discrete Markov processes, image compression, and linear programming. Credit not allowed for both MATH 344L and 544L.

Prerequisite or Corequisite: C or better or concurrent enrollment in MATH 344.

MATH 374 - Discrete Structures (3 Credits)

Propositional and predicate logic; proof techniques; recursion and recurrence relations; sets, combinatorics, and probability; functions, relations, and matrices; algebraic structures.

Prerequisites: C or better in both MATH 142 and CSCE 146.

MATH 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MATH 401 - Conceptual History of Mathematics (3 Credits)

Topics from the history of mathematics emphasizing the 17th century to the present. Various mathematical concepts are discussed and their development traced. For elective or Group II credit only.

Prerequisites: C or better in MATH 122, or MATH 141.

MATH 490 - Mathematics Internship (1-3 Credits)

Academic counterpart to a professional work experience in which mathematics plays a central role. Introduction to the uses of problem formulation and problem solving in a working environment. Introduction to career possibilities for a student trained in mathematics. Restricted to MATH major with 3.0 or better GPA and completion of at least 60 credits.

Prerequisites: C or better in MATH 241, MATH 300 and at least one 500 level MATH course; CSCE 145 or CSCE 206 and one of the following STAT courses STAT 509, STAT 512, STAT 515.

MATH 499 - Undergraduate Research (1-3 Credits)

Research on a specific mathematical subject area. The specific content of the research project must be outlined in a proposal that must be approved by the instructor and the Undergraduate Director. Intended for students pursuing the B.S. in Mathematics with Distinction. Pass-Fail grading only.

Graduation with Leadership Distinction: GLD: Research

MATH 511 - Probability (3 Credits)

Probability and independence; discrete and continuous random variables; joint, marginal, and conditional densities, moment generating functions; laws of large numbers; binomial, Poisson, gamma, univariate, and bivariate normal distributions.

Prerequisite or Corequisite: C or better in MATH 241.

Cross-listed course: STAT 511

MATH 514 - Financial Mathematics I (3 Credits)

Probability spaces. Random variables. Mean and variance. Geometric Brownian Motion and stock price dynamics. Interest rates and present value analysis. Pricing via arbitrage arguments. Options pricing and the Black-Scholes formula.

Prerequisites: C or better in MATH 241.

Cross-listed course: STAT 522

MATH 515 - Financial Mathematics II (3 Credits)

Convex sets. Separating Hyperplane Theorem. Fundamental Theorem of Asset Pricing. Risk and expected return. Minimum variance portfolios. Capital Asset Pricing Model. Martingales and options pricing. Optimization models and dynamic programming.

Prerequisites: C or better in MATH 514 or STAT 522.

Cross-listed course: STAT 523

MATH 520 - Ordinary Differential Equations (3 Credits)

Differential equations of the first order, linear systems of ordinary differential equations, elementary qualitative properties of nonlinear systems.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 521 - Boundary Value Problems and Partial Differential Equations (3 Credits)

Laplace transforms, two-point boundary value problems and Green's functions, boundary value problems in partial differential equations, eigenfunction expansions and separation of variables, transform methods for solving PDE's, Green's functions for PDE's, and the method of characteristics.

Prerequisites: C or better in MATH 520 or in both MATH 241 and MATH 242.

MATH 522 - Wavelets (3 Credits)

Basic principles and methods of Fourier transforms, wavelets, and multiresolution analysis; applications to differential equations, data compression, and signal and image processing; development of numerical algorithms. Computer implementation.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 523 - Mathematical Modeling of Population Biology (3 Credits)

Applications of differential and difference equations and linear algebra modeling the dynamics of populations, with emphasis on stability and oscillation. Critical analysis of current publications with computer simulation of models.

Prerequisites: C or better in MATH 142, BIOL 301, or MSCI 311 recommended.

MATH 524 - Nonlinear Optimization (3 Credits)

Descent methods, conjugate direction methods, and Quasi-Newton algorithms for unconstrained optimization; globally convergent hybrid algorithm; primal, penalty, and barrier methods for constrained optimization. Computer implementation of algorithms.

Prerequisites: C or better in MATH 241 and one of MATH 344 or MATH 544.

MATH 525 - Mathematical Game Theory (3 Credits)

Two-person zero-sum games, minimax theorem, utility theory, n-person games, market games, stability.

Prerequisites: C or better in MATH 300 and in either MATH 344 or MATH 544.

MATH 526 - Numerical Linear Algebra (4 Credits)

Matrix algebra, Gauss elimination, iterative methods; overdetermined systems and least squares; eigenvalues, eigenvectors; numerical software. Computer implementation. Credit may not be received for both MATH 526 and MATH 544. Three lectures and one laboratory hour per week.

Prerequisites: C or better in MATH 142.

MATH 527 - Numerical Analysis (3 Credits)

Interpolation and approximation of functions; solution of algebraic equations; numerical differentiation and integration; numerical solutions of ordinary differential equations and boundary value problems; computer implementation of algorithms.

Prerequisites: C or better in MATH 520 or in both MATH 242 and MATH 344.

Cross-listed course: CSCE 561

MATH 528 - Mathematical Foundation of Data Science and Machine Learning (3 Credits)

Unconstrained and constrained optimization, gradient descent methods for numerical optimization, supervised and unsupervised learning, various reduced order methods, sampling and inference, Monte Carlo methods, deep neural networks.

Prerequisites: C or better in MATH 344 or MATH 544.

MATH 531 - Foundations of Geometry (3 Credits)

The study of geometry as a logical system based upon postulates and undefined terms. The fundamental concepts and relations of Euclidean geometry developed rigorously on the basis of a set of postulates. Some topics from non-Euclidean geometry.

Prerequisites: C or better in MATH 300.

MATH 532 - Modern Geometry (3 Credits)

Projective geometry, theorem of Desargues, conics, transformation theory, affine geometry, Euclidean geometry, non-Euclidean geometries, and topology.

Prerequisites: C or better in MATH 300.

MATH 533 - Elementary Geometric Topology (3 Credits)

Topology of the line, plane, and space, Jordan curve theorem, Brouwer fixed point theorem, Euler characteristic of polyhedra, orientable and non-orientable surfaces, classification of surfaces, network topology.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 534 - Elements of General Topology (3 Credits)

Elementary properties of sets, functions, spaces, maps, separation axioms, compactness, completeness, convergence, connectedness, path connectedness, embedding and extension theorems, metric spaces, and compactification.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 540 - Modern Applied Algebra (3 Credits)

Finite structures useful in applied areas. Binary relations, Boolean algebras, applications to optimization, and realization of finite state machines.

Prerequisites: MATH 300.

MATH 541 - Algebraic Coding Theory (3 Credits)

Error-correcting codes, polynomial rings, cyclic codes, finite fields, BCH codes.

Prerequisites: C or better in MATH 300 and in either of MATH 344 or MATH 544.

MATH 544 - Linear Algebra (3 Credits)

Vectors, vector spaces, and subspaces; geometry of finite dimensional Euclidean space; linear transformations; eigenvalues and eigenvectors; diagonalization. Throughout there will be an emphasis on theoretical concepts, logic, and methods. MATH 544L is an optional laboratory course where additional applications will be discussed.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 544L - Linear Algebra Lab (1 Credit)

Computer-based applications of linear algebra for mathematics students. Topics include numerical analysis of matrices, direct and indirect methods for solving linear systems, and least squares method (regression). Typical applications include theoretical and practical issues related to discrete Markov processes, image compression, and linear programming. Credit not allowed for both MATH 344L and 544L.

Prerequisite or Corequisite: C or better or concurrent enrollment in MATH 544.

MATH 546 - Algebraic Structures I (3 Credits)

Permutation groups; abstract groups; introduction to algebraic structures through study of subgroups, quotient groups, homomorphisms, isomorphisms, direct product; decompositions; introduction to rings and fields.

Prerequisites: C or better in MATH 300 and 544.

MATH 547 - Algebraic Structures II (3 Credits)

Rings, ideals, polynomial rings, unique factorization domains; structure of finite groups; topics from: fields, field extensions, Euclidean constructions, modules over principal ideal domains (canonical forms).

Prerequisites: C or better in MATH 546.

MATH 548 - Geometry, Algebra, and Algorithms (3 Credits)

Polynomials and affine space, Grobner bases, elimination theory, varieties, and computer algebra systems.

Prerequisites: C or better in MATH 300 and in one of MATH 344 or MATH 544.

MATH 550 - Vector Analysis (3 Credits)

Vector fields, line and path integrals, orientation and parametrization of lines and surfaces, change of variables and Jacobians, oriented surface integrals, theorems of Green, Gauss, and Stokes; introduction to tensor analysis.

Prerequisites: C or better in MATH 241.

MATH 551 - Introduction to Differential Geometry (3 Credits)

Parametrized curves, regular curves and surfaces, change of parameters, tangent planes, the differential of a map, the Gauss map, first and second fundamental forms, vector fields, geodesics, and the exponential map.

Prerequisites: C or better in MATH 241 and MATH 300.

MATH 552 - Applied Complex Variables (3 Credits)

Complex integration, calculus of residues, conformal mapping, Taylor and Laurent Series expansions, applications.

Prerequisites: C or better in MATH 241.

MATH 554 - Analysis I (3 Credits)

Least upper bound axiom, the real numbers, compactness, sequences, continuity, uniform continuity, differentiation, Riemann integral and fundamental theorem of calculus.

Prerequisites: C or better in MATH 241 and two 500-level classes requiring MATH 300: MATH 525, MATH 531, MATH 532, MATH 533, MATH 534, MATH 540, MATH 541, MATH 544, MATH 546, MATH 548, MATH 551, MATH 561, MATH 570, MATH 574, MATH 575, or MATH 580.

MATH 555 - Analysis II (3 Credits)

Riemann-Stieltjes integral, infinite series, sequences and series of functions, uniform convergence, Weierstrass approximation theorem, selected topics from Fourier series or Lebesgue integration.

Prerequisites: C or better in MATH 554.

MATH 561 - Introduction to Mathematical Logic (3 Credits)

Syntax and semantics of formal languages; sentential logic, proofs in first order logic; Godel's completeness theorem; compactness theorem and applications; cardinals and ordinals; the Lowenheim-Skolem-Tarski theorem; Beth's definability theorem; effectively computable functions; Godel's incompleteness theorem; undecidable theories.

Prerequisites: C or better in MATH 300.

MATH 562 - Theory of Computation (3 Credits)

Basic theoretical principles of computing as modeled by formal languages and automata; computability and computational complexity.

Prerequisites: C or better in CSCE 350 or MATH 300.

Cross-listed course: CSCE 551

MATH 570 - Discrete Optimization (3 Credits)

Discrete mathematical models. Applications to such problems as resource allocation and transportation. Topics include linear programming, integer programming, network analysis, and dynamic programming.

Prerequisites: C or better in MATH 300 and in one of MATH 544 or MATH 344.

MATH 572 - Mathematical Foundation of Network Science (3 Credits)

Graphs and probability, Web graphs, random graphs, models for complex graphs, graph searching algorithms, eigenvalues, PageRank.

Prerequisites: C or better in MATH 374 and in one of MATH 344 or MATH 544.

MATH 574 - Discrete Mathematics I (3 Credits)

Mathematical models; mathematical reasoning; enumeration; induction and recursion; tree structures; networks and graphs; analysis of algorithms.

Prerequisites: C or better in MATH 300.

MATH 575 - Discrete Mathematics II (3 Credits)

A continuation of MATH 574. Inversion formulas; Polya counting; combinatorial designs; minimax theorems; probabilistic methods; Ramsey theory; other topics.

Prerequisites: C or better in MATH 574.

MATH 576 - Combinatorial Game Theory (3 Credits)

Winning in certain combinatorial games such as Nim, Hackenbush, and Domineering. Equalities and inequalities among games, Sprague-Grundy theory of impartial games, games which are numbers.

Prerequisites: C or better in MATH 300 or MATH 374.

MATH 580 - Elementary Number Theory (3 Credits)

Divisibility, primes, congruences, quadratic residues, numerical functions. Diophantine equations.

Prerequisites: C or better in MATH 300.

MATH 587 - Introduction to Cryptography (3 Credits)

Design of secret codes for secure communication, including encryption and integrity verification: ciphers, cryptographic hashing, and public key cryptosystems such as RSA. Mathematical principles underlying encryption. Code-breaking techniques. Cryptographic protocols.

Prerequisites: C or better in CSCE 145 or MATH 241, and at least one of CSCE 355, MATH 300, or MATH 374.

Cross-listed course: CSCE 557

MATH 590 - Undergraduate Seminar (1-3 Credits)

A review of literature in specific subject areas involving student presentations. Content varies and will be announced in the Master Schedule of Classes by title. For undergraduate credit only.

MATH 599 - Topics in Mathematics (1-3 Credits)

Recent developments in pure and applied mathematics selected to meet current faculty and student interest.

MATH 602 - An Inductive Approach to Geometry (3 Credits)

This course is designed for middle-level pre-service mathematics teachers. This course covers geometric reasoning, Euclidean geometry, congruence, area, volume, similarity, symmetry, vectors, and transformations. Dynamic software will be utilized to explore geometry concepts. This course cannot be used for credit toward a major in mathematics.

Prerequisites: C or better in MATH 122 or MATH 141 or equivalent.

MATH 603 - Inquiry Approach to Algebra (3 Credits)

This course introduces basic concepts in number theory and modern algebra that provide the foundation for middle level arithmetic and algebra. Topics include: algebraic reasoning, patterns, inductive reasoning, deductive reasoning, arithmetic and algebra of integers, algebraic systems, algebraic modeling, and axiomatic mathematics. This course cannot be used for credit towards a major in mathematics.

Prerequisites: C or higher in MATH 122 or MATH 141 or equivalent.

MATH 650 - AP Calculus for Teachers (3 Credits)

A thorough study of the topics to be presented in AP calculus, including limits of functions, differentiation, integration, infinite series, and applications. Not intended for degree programs in mathematics.

Prerequisites: current secondary high school teacher certification in mathematics and a C or better in at least 6 hours of calculus.

Mechanical Engineering (EMCH)

EMCH 101 - Introduction to Mechanical Engineering (3 Credits)

Introduction to Mechanical Engineering; Engineering thinking; Problem-solving skills; University life and academic expectations.

EMCH 111 - Introduction to Computer-Aided Design (3 Credits)

Principles and practice of visualization and graphical representation using modern computer-aided design tools.

EMCH 200 - Statics (3 Credits)

Principles of mechanics; Equilibrium of particles and rigid bodies; Distributed forces, centroids, and centers of gravity; Moments of inertia of areas; Analysis of simple structures and machines; Friction.

Prerequisites: C or better in MATH 141.

EMCH 201 - Introduction to Applied Numerical Methods (3 Credits)

Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving system of equations, and numerical integration and differentiation.

Prerequisites: MATH 141.

Corequisite: MATH 142.

Cross-listed course: ENCP 201, PHYS 311

EMCH 220 - Mechanical Engineering Fundamentals for Non-Majors (3 Credits)

Introduction to the fundamentals of mechanical engineering for other engineering disciplines. Excluded: Mechanical Engineering Majors.

Prerequisites: MATH 142, PHYS 211.

EMCH 260 - Solid Mechanics (3 Credits)

Study of forces and deformation in solids; Basic concepts of stress and strain; Elastic relations between stress and strain; Stress and strain transformations; Applications to mechanical components under axial, torsional, bending and pressure loads.

Prerequisites: C or better in MATH 241; C or better in EMCH 200 or ENCP 200.

EMCH 290 - Thermodynamics (3 Credits)

Definitions, work, heat, and energy; First law of analyses of systems and control volumes; Second law analysis.

Prerequisites: C or better in PHYS 211; C or better in MATH 142.

EMCH 308 - Introduction to Finite Element Stress Analysis (3 Credits)

Introduction to stress analysis for beams, plates, shells, and solids using finite element based computer tools.

Prerequisites: EMCH 260.

EMCH 310 - Dynamics (3 Credits)

Kinematics of particles and rigid bodies; Kinetics of particles, emphasis on Newton's second law: energy and momentum methods for the solution of problems; Applications of plane motion of rigid bodies.

Prerequisites: C or better in MATH 242; C or better in EMCH 200 or ENCP 200.

EMCH 327 - Machine Design (3 Credits)

Design against static failure and fatigue failure of structural members and machine parts; Design and selection of components including: fasteners, welds, shafts, springs, gears, bearings, and chain drives.

Prerequisites: EMCH 260 or ENCP 260.

Graduation with Leadership Distinction: GLD: Research

EMCH 330 - Mechanical Vibrations (3 Credits)

Analysis of forced and damped one-degree-of-freedom systems. Rotating unbalance and vibration isolation. Introduction to two-degrees-of-freedom systems.

Prerequisites: MATH 242 and either EMCH 310 or ENCP 210.

EMCH 332 - Kinematics (3 Credits)

The application of vector and graphical analysis for the determination of positions, velocities and accelerations of planar linkages used in modern machinery.

Prerequisites: D or better in EMCH 310 or ENCP 210.

EMCH 354 - Heat Transfer (3 Credits)

One- and two-dimensional steady and transient heat conduction; Free and forced convection; Boiling and condensation; Radiation; Heat exchangers.

Prerequisites: D or better in EMCH 360 or AESP 265 or ENCP 360.

EMCH 360 - Fluid Mechanics (3 Credits)

Applications of fluid statics and dynamics; Conservation of mass, momentum, and energy; Similitude and dimensional analysis; Open channel flow, lift and drag; Introduction to turbulent flow

Prerequisites: C or better in EMCH 200 or ENCP 200 or BMEN 212; D or better in EMCH 290 or ENCP 290 or BMEN 290; C or better in MATH 242.

EMCH 361 - Laboratory I (3 Credits)

Basic concepts of instruments, measurements, and experimental data analysis; Statistical analysis of experimental data and uncertainty analysis; LabView control, sensors, and measurement of parameters in mechanical engineering systems; Technical writing and presentation.

Prerequisites: D or better in EMCH 290, ENCP 290, or BMEN 290; D or better in EMCH 260 or ENCP 260; D or better in EMCH 201 or ENCP 201; D or better in ELCT 220 or ELCT 221.

EMCH 362 - Laboratory II (3 Credits)

Basic concepts of hypothesis, simple design of experiments to demonstrate principles and applications of fluid dynamics, manufacturing, mechanical properties, heat transfer, and vibration analysis through a series of lab experiments.

Prerequisites: D or better in EMCH 361.

Prerequisite or Corequisite: D or better in EMCH 360 or AESP 265 or ENCP 360; D or better in EMCH 310 or ENCP 210.

EMCH 363 - Mechanical Engineering Laboratory III (3 Credits)

Experiments directly related to advanced mechanical engineering courses. Physical and statistical design of experiments. Written and oral reports.

Prerequisites: EMCH 362.

Prerequisite or Corequisite: EMCH 332, EMCH 354, EMCH 371.

EMCH 367 - Controls (3 Credits)

Introduction to closed-loop control systems in Mechanical Engineering; Development of concepts, including transfer function, feedback, frequency response, and system stability; Programmable logic controllers (PLC); Control system design methods.

Prerequisites: D or better in EMCH 310 or ENCP 210; D or better in EMCH 368.

EMCH 368 - Mechatronics (4 Credits)

Introduction to the principles of integrating mechanical, electrical and computer engineering disciplines within a unified framework towards designing mechatronic systems; Fundamental overview of mechatronics (sensors, signals, actuators, microprocessors and models of mechatronic systems); Experimental exercises using microcontrollers.

Prerequisites: D or better in CSCE 206; D or better in ELCT 220 or ELCT 221; D or better in EMCH 260 or ENCP 260.

EMCH 371 - Materials (3 Credits)

An introduction to the relationships between chemical bonding, crystal structure, phase equilibria, microstructure, and properties of engineering materials.

Prerequisites: D or better in EMCH 260 or ENCP 260.

EMCH 377 - Manufacturing (3 Credits)

Basics of: Deformative Manufacturing, Subtractive Manufacturing, Additive Manufacturing, Assembly Processes; Introduction to: Polymers Manufacturing, Composites Manufacturing, Computer-Aided Manufacturing.

Prerequisites: EMCH 371.

EMCH 380 - Project Management (3 Credits)

Introduction to decision making for engineering projects; Planning methods; Forecasting; Exploratory charts; Team building and leadership; Project scheduling; Project economics.

Prerequisites: C or better in MATH 241.

EMCH 394 - Applied Thermodynamics (3 Credits)

Basics of: Fundamentals of thermodynamics, Thermodynamic properties, Energy and Mass Conservation, Entropy and the Second Law Analysis; Introduction to: Power, Refrigeration, and Heat Pump Cycle Systems for vapor cycles and gas cycles; Application of Thermodynamic concepts to determine changes of enthalpy, entropy, and internal energy related with cycle systems, psychometrics, and combustion process.

Prerequisites: EMCH 201, EMCH 290.

EMCH 427 - Design I (3 Credits)

Open-ended design project initiation including: identifying and ranking customer and project needs, benchmarking appropriate design specifications, planning and project management, functional analysis, innovation and concept generation, learning through mockups, concept ranking and concept selection.

Prerequisites: D or better in EMCH 380.

Prerequisite or Corequisite: D or better in EMCH 332, EMCH 354, EMCH 362, EMCH 371, and EMCH 368.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 428 - Design II (3 Credits)

Open-ended design project continuation including: identifying and performing relevant engineering analyses, parametric design refinement, project life cycle economic analysis, product/prototype construction, testing, and evaluation of the design; Consideration of safety, reliability, sustainability, and social impact.

Prerequisites: D or better in EMCH 427.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 441 - Automotive System Fundamentals (3 Credits)

Automotive engineering systems, descriptions, and associated operating and design principles. Past, present, and future automotive systems and components.

Prerequisites: EMCH 260, EMCH 394.

EMCH 460 - Special Problems (1-3 Credits)

Individual investigation or studies of special topics. A maximum of three credits may be applied toward a degree. Advance approval of project proposal by advisor and instructor.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

EMCH 497 - Design of Thermal Systems (3 Credits)

Methodology of design, mathematical modeling of thermal equipment, system simulation, system optimization using digital computer, and investment economics. Requires a semester-long design project. Two lectures and one problem session per week.

Prerequisites: EMCH 354, EMCH 394.

Graduation with Leadership Distinction: GLD: Research

EMCH 499 - Fundamentals of Engineering Preparation (1 Credit)

Preparation for the Fundamentals of Engineering Exam. Review general engineering and mechanical engineering-specific areas. Restricted to seniors. May not be used to satisfy program requirements.

EMCH 501 - Engineering Analysis I (3 Credits)

Engineering applications of solution techniques for ordinary and partial differential equations, including Sturm-Liouville theory, special functions, transform techniques, and numerical methods.

Prerequisites: MATH 242.

EMCH 502 - Engineering Analysis II (3 Credits)

Engineering applications of optimization methods, calculus of variations including approximate methods, and probability concepts.

Prerequisites: MATH 242.

EMCH 507 - Computer-Aided Design (3 Credits)

Solid modeling using commercial computer-aided design (CAD) applications package to reverse engineer-manufactured parts. Analytical curves and surfaces, transformation matrices, assembly modeling, and computer tools for analyzing parts and mechanisms.

Prerequisites: EMCH 201, EMCH 327.

EMCH 508 - Finite Element Analysis in Mechanical Engineering (3 Credits)

Development of the fundamental concepts of finite element modeling. Matrix equation assembly and reduction. Mechanical engineering applications in structures, stress analysis, ideal flow, and heat transfer problems.

Prerequisites: EMCH 201, EMCH 327.

EMCH 509 - Computer-Aided Manufacturing (3 Credits)

Optimizing computer-controlled machining processes, programmable logic controllers (PLCs), motion control of servomechanisms, CNC machining practices and programming, and robotics.

Prerequisites: D or better in MATH 241.

EMCH 516 - Control Theory in Mechanical Engineering (3 Credits)

An introduction to closed-loop control systems; development of concepts, including transfer function, feedback, frequency response, and system stability by examples taken from mechanical engineering practice; control system design methods.

Prerequisites: MATH 242, EMCH 330.

EMCH 520 - Technology Planning (3 Credits)

Assessment of technological needs in the organization; coupling research and development to production; selection and evaluation of the technical project/program; technical planning, resource allocation, direction, and control; effective use and development of the engineering staff; the process of and barriers to technological change; technology, values, and policy. Senior or graduate standing.

EMCH 521 - Concurrent Engineering (3 Credits)

A systematic approach to the mechanical design of products, requiring the concurrent design of all related processes.

Prerequisites: EMCH 327.

EMCH 522 - Design for Manufacture and Assembly (3 Credits)

Product design principles for early consideration of issues to shorten product development time and to ensure smooth transition to manufacturing, thus accelerating time-to-market.

Prerequisites: EMCH 327 and EMCH 377.

EMCH 527 - Design of Mechanical Systems (3 Credits)

Summary of mechanical design, project management, product liability and the law, intellectual property ethics and professionalism.

Prerequisites: EMCH 327.

EMCH 528 - Product Safety Engineering (3 Credits)

Design considerations and methodologies for products to ensure adequate safeguards for the prevention of accidents, failures, and injuries. Senior standing.

EMCH 529 - Sustainable Design and Development (3 Credits)

System design and development accomplished with consideration of environmental/ecological, economic, and social constraints. Students will be introduced to sustainable design and accomplish a design project. Senior standing.

EMCH 530 - Introduction to Engineering Optimization (3 Credits)

Mathematical formulation of an optimum design problem, introduction to optimum design concepts and multidisciplinary design optimization. Use of mathematical programming methods for unconstrained and constrained minimization for engineering design optimization.

Prerequisites: C or better in MATH 142, Graduate standing.

EMCH 532 - Intermediate Dynamics (3 Credits)

Kinematics and dynamics of particles and rigid bodies using Newtonian mechanics. Work/energy, impulse/momentum, 3-D motion.

Prerequisites: EMCH 332.

EMCH 535 - Robotics in Mechanical Engineering (3 Credits)

Overview of robotics in practice and research: forward and inverse kinematics, statics and dynamics, trajectory generation, control, vision, and motion planning.

Prerequisites: EMCH 332.

EMCH 544 - Compressible Fluid Flow (3 Credits)

Application of the conservation laws of a compressible fluid to isentropic flows, flow with friction, and flows with heating or cooling. Shock and expansion waves. Nozzle and diffuser design.

Prerequisites: EMCH 354.

EMCH 550 - Introduction to Nuclear Safeguards (3 Credits)

International nuclear non-proliferation programs and activities, proliferation risk assessment, and nuclear materials management and safeguards, including physical protection systems, material accounting and control, monitoring, and regulatory issues.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 551 - Nuclear Energy in the Hydrogen Economy (3 Credits)

The current role of nuclear energy in the US and global energy mix will be described and the potential for future growth will be surveyed, particularly in the development of the hydrogen economy.

Prerequisites: EMCH 354.

EMCH 552 - Introduction to Nuclear Engineering (3 Credits)

Radioactivity and nuclear reactions; steady state and transient nuclear reactor theory.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 553 - Nuclear Fuel Cycles (3 Credits)

Processing of nuclear fuel including fabrication, irradiation, and waste disposal or storage. In-core and out-of-core fuel management. Fuel cycle economics.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 554 - Intermediate Heat Transfer (3 Credits)

Radiant heat exchange, combined modes of heat transfer, computer techniques in heat transfer analysis and design, environmental heat transfer.

Prerequisites: EMCH 354.

EMCH 555 - Instrumentation for Nuclear Engineering (3 Credits)

Basic operational principles of radiation detection and nuclear instrumentation systems. Selection of the proper detector to measure radiation. Statistical analysis of results.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 555L - Nuclear Instrumentation Laboratory (1 Credit)

Use of nuclear radiation detection and instrumentation systems and computers. Data acquisition and analysis.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

Corequisite: EMCH 555.

EMCH 556 - Introduction to Risk Analysis and Reactor Safety (3 Credits)

An introduction to probabilistic risk assessment (PRA) methods as applied to nuclear power plants but also examples from the chemical industry, aerospace, transportation, and other sectors. Addresses failure and reliability analysis, fault trees, event trees, reactor safety, regulatory practice.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 557 - Introduction to Radiation Shielding and Sources (3 Credits)

Radiation interactions and transport, design of radiation shields, point kernel, and Monte Carlo methods. Dosimetry, buildup factors, radiation sources, and shield materials.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 558 - Introduction to Nuclear Reactor Systems (3 Credits)

PWR and BWR reactors, reactor system designs for accident prevention and mitigation, protection systems, containment design, emergency cooling requirements, code of federal regulations, and design criteria.

Prerequisites: C or better in CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 560 - Intermediate Fluid Mechanics (3 Credits)

Integral and differential analysis of fluids. Potential flow. Boundary layer analysis. Flow in closed and open channels. Flow dynamics of turbomachinery. Steady and unsteady flows.

Prerequisites: EMCH 310, EMCH 360.

EMCH 561 - Current Topics in Mechanical Engineering (1-3 Credits)

Special topics related to current issues in mechanical engineering. Course content varies and will be announced in the schedule of classes by title.

EMCH 562 - Micro/nanofluidics and Lab-on-a-Chip (3 Credits)

Basic fluid mechanics, capillary, drop and micro/nanoparticle, electrokinetics; micropump, mixer, preconcentrator, electrophoresis, microactuator and particle manipulator; sensors for pressure, velocity, concentration, temperature in environmental monitoring/biodefence, clinical diagnostics, drug discovery/delivery.

Prerequisites: D or better in CHEM 112 and CHEM112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: BMEN 532

EMCH 567 - Bio Nano/Micro Electro-Mechanical Systems (3 Credits)

Fundamentals of nano- and microfabrication, metrology and their applications in biomedical engineering and science. The fabrication covers photolithography, nano/microfabrication for nano/microstructures, etching and additive techniques, MEMS integration and packaging, etc. Metrology focuses on characterization of nanostructures with imaging technologies.

Prerequisites: D or better in CHEM 112 and CHEM 112L or CHEM 142; D or better in PHYS 212.

Cross-listed course: BMEN 537

EMCH 571 - Mechanical Behavior of Materials (3 Credits)

Micromechanisms of the deformation and fracture of structural materials; brittle versus ductile behavior; fatigue and creep; strengthening mechanisms; mechanical testing techniques; methods in analysis of mechanical failures.

Prerequisites: EMCH 260, EMCH 371.

EMCH 572 - Physical Metallurgy (3 Credits)

Equilibrium and phase relations in metallic systems; kinetics of phase transformations; annealing and precipitation phenomena.

Prerequisites: EMCH 371.

EMCH 573 - Introduction to Nuclear Materials (3 Credits)

Materials for nuclear applications; materials degradation processes occurring in the nuclear reactor environment. Restricted to Engineering Upper Division and Graduate Students.

Prerequisites: C or better in EMCH 371, CHEM 111, PHYS 211, MATH 241, MATH 242.

EMCH 575 - Adaptive Materials and Smart Structures (3 Credits)

A multidisciplinary introductory course addressing the engineering field of adaptive materials and smart structures.

Prerequisites: EMCH 260, EMCH 310.

EMCH 576 - Fundamentals and Applications of Fuel Cells (3 Credits)

Study of fuel cell principles, fuel cell characterization, characteristics of the major types of fuel cells, fuel cell and stack components, fuel cell stack and system design, fuel cell applications in portable, transportation, and stationary areas, as well as the current status and future research focus of fuel cells. Restricted to: Upper division.

Prerequisites: EMCH 290 or ECHE 310 or ENCP 290.

EMCH 577 - Aerospace Structures I (3 Credits)

Static analysis of aerospace structural elements such as bars, beams, columns, plates, and shells. Topics include, but not limited to elasticity theory, simple beam theory, boundary value problems, and structural stability. Upper division or graduate status.

Prerequisites: D or better in EMCH 260, and EMCH 310.

EMCH 578 - Introduction to Aerodynamics (3 Credits)

Fundamentals of aerodynamics, elements of compressible flow, thin airfoil theory, finite wing theory, flow through nozzles diffusers and wind tunnels, normal and oblique shock waves, elements of the methods of characteristics of finite difference solutions for compressible flows, aspects of hypersonic flow.

EMCH 580 - Mechanics of Solid Biomaterials (3 Credits)

Introduction to the mechanical behavior of solid biomaterials. Structure and mechanical properties of tissue including skin, myocardium, and tendon. Mathematical treatment of anisotropic elasticity, nonlinear elasticity, linear and quasi-linear viscoelasticity, muscle activity.

Prerequisites: MATH 242.

EMCH 584 - Advanced Mechanics of Materials (3 Credits)

Topics in stress analysis, including unsymmetrical bending, three-dimensional stress-strain; torsion; rotational stress; thick-walled pressure vessels; beams on elastic foundations; and stress concentration.

Prerequisites: EMCH 260.

EMCH 585 - Introduction to Composite Materials (3 Credits)

Introduction to fiber reinforced polymer (FRP) composite materials, manufacturing methods and processes. Micro-Mechanics and properties of orthotropic laminated and woven composites. Analysis of composite structures (Mechanics and Synergistic environmental effects). Structure/property relationships. Characterization of modern composite materials. Design considerations.

Prerequisites: EMCH 327, EMCH 371, MATH 242.

EMCH 586 - Experimental Stress Analysis (3 Credits)

Stress analysis utilizing experimental techniques including transmission and scattered light photoelasticity, strain gauges, and brittle coatings. Introduction to modern concepts of coherent optics in stress analysis with emphasis on engineering applications.

Prerequisites: EMCH 260.

EMCH 592 - Introduction to Combustion (3 Credits)

Chemical thermodynamics, reaction kinetics, and combustion phenomena in energy production. Application to the modeling of coal combustion, incineration, and combustion engines.

Prerequisites: EMCH 354, EMCH 394.

EMCH 594 - Solar Heating (3 Credits)

Solar radiation; review of heat transfer and radiation characteristics of relevant materials; flat plate and focusing collectors; energy storage models for design of solar heating systems; system design by computer simulation; direct conversion by solar cells.

Prerequisites: EMCH 290, EMCH 354, or ECHE 321.

EMCH 597 - Thermal Environmental Engineering (3 Credits)

Vapor compression and absorption refrigeration systems. Heat pumps. Properties of refrigerants. Cryogenic refrigeration. Heating and cooling of buildings. Solar heating and cooling systems.

Prerequisites: EMCH 354, EMCH 394.

Media Arts (MART)

MART 101 - Making Media That Matters (3 Credits)

Introductory media arts creation and study for non-majors, with emphasis on developing an individual aesthetic for screen and related media.

Carolina Core: AIU

MART 110 - Media Culture (3 Credits)

Introduction to the critical study of film, video, photography, audio, and new media.

Cross-listed course: FAMS 110

Carolina Core: AIU

MART 201 - Foundations of Media Arts Production (3 Credits)

Fundamental conceptual and technical aspects of media.

Carolina Core: AIU

MART 210 - Digital Media Arts Fundamentals (3 Credits)

Introduction to theory and practice of origination, sequencing, and processing of screen-based and related media art.

Carolina Core: AIU

MART 262 - Digital Imaging (3 Credits)

Aesthetic and communicative elements of the production of digital images, including capture, processing, and output.

MART 321 - Media Writing (3 Credits)

Storytelling forms and formats for screen-based and related media arts.

MART 341 - Sound Design (3 Credits)

Aesthetic and communicative elements of audio design for screen-based and related media arts.

Prerequisites: MART 210.

MART 371 - The Moving Image (3 Credits)

Introduction to the theory and practice of motion picture production.

Prerequisites: MART 201 and MART 210.

MART 380 - New Media Art (3 Credits)

Introduction to the design and development of new media art, including internet-based art, media performance, installation, and interactivity.

Prerequisites: MART 210 or ARTS 102.

MART 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

MART 490 - Special Topics in Media Arts (3 Credits)

May be repeated once for credit as topic varies by title.

MART 495 - Research Seminar (3 Credits)

Research in a selected area of media arts.

Prerequisites: junior status

Graduation with Leadership Distinction: GLD: Research

MART 499 - Internship in Media Arts (3-6 Credits)

Supervised experience in media productions and media production facilities. Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

MART 521A - Media Writing Advanced: Screenwriting (3 Credits)

Advanced study of screenwriting.

Prerequisites: MART 321.

MART 521B - Media Writing Advanced: Feature Film (3 Credits)

Advanced study of feature film writing.

Prerequisites: MART 321.

MART 521C - Media Writing Advanced: Manga and Anime (3 Credits)

Advanced study of Manga and Anime.

Prerequisites: MART 321.

MART 521D - Media Writing Advanced: Television Writing (3 Credits)

Advanced study of television writing.

Prerequisites: MART 321.

MART 571A - Moving Image Advanced: Narrative (3 Credits)

Narrative for motion picture.

Prerequisites: MART 371.

MART 571B - Moving Image Advanced: Documentary (3 Credits)

Documentary production.

Prerequisites: MART 371.

MART 571C - Moving Image Advanced: Animation (3 Credits)

Animation production.

Prerequisites: MART 371.

MART 571D - Moving Image Advanced: Experimental (3 Credits)

Experimental motion picture production.

Prerequisites: MART 371.

MART 571E - Moving Image Advanced: Cinematography (3 Credits)

Motion picture cinematography.

Prerequisites: MART 371.

MART 571F - Moving Image Advanced: Sound for Motion Picture (3 Credits)

Sound production for motion picture.

Prerequisites: MART 371.

MART 581A - New Media Advanced: Site-based and Installation Art (3 Credits)

Art and practice of site-based and installation art.

Prerequisites: MART 380.

MART 581B - New Media Advanced: Mobile Platforms (3 Credits)

Art and practice of mobile platforms.

Prerequisites: MART 380.

MART 581C - New Media Advanced: Media Performance (3 Credits)

Art and practice of media performance.

Prerequisites: MART 380.

MART 581D - New Media Advanced: Video Game Design (3 Credits)

Art and practice of video game design.

Prerequisites: MART 380.

MART 581E - New Media Advanced: Sound Art (3 Credits)

Art and practice of sound art.

Prerequisites: MART 380.

MART 590 - Special Topics in Media Arts (3 Credits)

Selected topics in media arts. Course content varies and will be announced in the schedule of classes by title.

MART 591 - Special Topics in Film and Media Studies (3 Credits)

Intensive study of a specific topic in film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ARTH 551, FAMS 511

MART 592 - Special Topics in Film and Media Histories (3 Credits)

Intensive study of a specific topic in film and media history. May be repeated as content varies by title.

Prerequisites: C or better in FAMS 300.

Cross-listed course: ARTH 569, FAMS 510

MART 593 - Special Topics in U.S. Film and Media (3 Credits)

Intensive study of a specific topic in U.S. film and media studies. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: ENGL 566, FAMS 566

MART 594 - Special Topics in Global Film and Media (3 Credits)

Intensive study of a specific topic concerning films produced in a country other than the United States. May be repeated as content varies by title.

Prerequisites: FAMS 240.

Cross-listed course: FAMS 598, FORL 598

MART 598 - Media Management and Distribution (3 Credits)

Research in media management and distribution.

Prerequisites: MART 110 and MART 210.

Middle Level Education (EDML)

EDML 321 - Middle Level Teaching and Management (3 Credits)

Overview of national trends in the middle school with an analysis of the relationship of early adolescent developmental characteristics to organization, curriculum, instruction, and teaching in the middle school level.

EDML 470 - Foundations in Reading (3 Credits)

Reading foundations, curriculum, and assessments for teaching young adolescents across academic disciplines.

EDML 471 - Middle Level Content Area Reading and Writing (3 Credits)

Examination of planning, implementation, and assessment of reading strategy instruction across disciplines and content areas in middle level classrooms. Restricted to: teacher candidates enrolled in the middle level degree program.

EDML 553 - Methods and Materials for Teaching Science in the Middle Grades (3 Credits)

A study of methods, techniques, and materials of instruction appropriate to science teaching in the middle school.

EDML 563 - Methods and Materials for Teaching Social Studies in the Middle School (3 Credits)

A study of goals, content, methods, and materials of instruction in middle school social studies.

EDML 572 - Middle Level Literacy Assessment (3 Credits)

Introduces literacy assessment for individual and small groups or middle level students.

EDML 573 - Methods and Materials for Teaching English/Language Arts in the Middle Grades (3 Credits)

Introduces goals, content, and methods of teaching language arts at the middle level.

EDML 583 - Methods and Materials for Teaching Mathematics in the Middle Grades (3 Credits)

A study of methods, techniques, and materials of instruction appropriate to mathematics teaching in the middle school.

EDML 584 - Middle School Internship Seminar (3 Credits)

Inquiry into the issues that arise during internship B experiences including classroom management, adolescent development, legal/professional responsibilities, multicultural perspectives, and needs of exceptional children.

Corequisite: EDML 599.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDML 598 - Internship A in the Middle School (3 Credits)

Application of effective teaching techniques and organization of instructional settings for middle school students.

Prerequisites: admission to internship in middle level program.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

EDML 599 - Internship B in the Middle School (12 Credits)

Application of effective teaching techniques and organization of instructional settings for middle school students.

Prerequisites: B or better in EDML 598.

Corequisite: EDSE 584.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

Military Science (ARMY)

ARMY 101 - Introduction to Army Fundamental Tactics (1 Credit)

Introduces cadets to the Army and the Profession of Arms.

Corequisite: ARMY 101L.

ARMY 101L - Lab in Military Science I (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 101.

ARMY 102 - Foundations of Agile and Adaptive Leadership (1 Credit)

Continuation of ARMY 101. Builds on the introduction to the Army and the Profession of Arms.

Corequisite: ARMY 101L.

ARMY 102L - Lab in Military Science II (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 102.

ARMY 201 - Leadership and Decision Making (2 Credits)

Exploration of tactical leadership strategies, team dynamics, historical leadership theories and developing leadership attributes.

Corequisite: ARMY 201L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 201L - Lab in Military Science III (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 201.

ARMY 202 - Army Doctrine and Team Development (2 Credits)

Soldier skills, including map reading and land navigation. Introduces Army troop-leading procedures through practical exercises and principles of war using historical events. Note: Two lectures and leadership laboratory per week.

Corequisite: ARMY 202L.

ARMY 202L - Lab in Military Science IV (1 Credit)

This is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamental of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 202.

ARMY 301 - Training Management and War Fighting Function (3 Credits)

Classroom instruction on Army Publications and Doctrine, War Fighting Functions and the Branches of the Army, Oral Presentations, as well as dedicated leadership labs focusing on Field Craft, Marksmanship, and Individual, Team, and Squad Movement Techniques.

Corequisite: ARMY 301L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 301L - Lab in Military Science V (1 Credit)

Lab in Military Science ARMY 301L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 301.

ARMY 302 - Adaptive Leadership and Tactical Operations (3 Credits)

Continuation of ARMY 301. Classroom instruction on Army Publications and Doctrine, War Fighting Functions and the Branches of the Army, Oral Presentations, as well as dedicated leadership labs focusing on Field Craft, Marksmanship, and Individual, Team, and Squad Movement Techniques.

Prerequisites: C or better in ARMY 301.

Corequisite: ARMY 302L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 302L - Lab in Military Science VI (1 Credit)

Lab in Military Science ARMY 302L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 302.

ARMY 399 - Independent Study (1-3 Credits)

Creative projects, including research and design, which are supervised on an individual basis and which fall outside the scope of formal courses. May be repeated for credit.

ARMY 400 - Nurses Summer Training Program Clinical Elective (3 Credits)

A 3-week summer nursing experience conducted at an Army hospital in the United States, Europe, or Asia that orients the cadet nurse to the mission of the U.S. Army Medical Department and its health care delivery system. It provides a minimum of 120 hours of clinical experience to develop nursing, leadership, administrative, and interpersonal skills.

Prerequisites: completion of the Leadership Development Assessment Course [LDAC], NURS 412 or its equivalent, acceptance into any Army ROTC, and enrolled Army ROTC Nursing Cadets.

ARMY 401 - The Army Officer and the Profession of Arms I (3 Credits)

Focuses on developing the knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Topics include Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities.

Prerequisites: C or better in ARMY 301 and ARMY 302.

Corequisite: ARMY 401L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 401L - Lab in Military Science VII (1 Credit)

Lab in Military Science ARMY 401L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 401.

ARMY 402 - The Army Officer and the Profession of Arms II (3 Credits)

Continuation of ARMY 401. Focuses on developing the knowledge, skills, and abilities to plan, resource, and assess training at the small unit level. Topics include Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities.

Prerequisites: C or better in ARMY 401.

Corequisite: ARMY 402L.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

ARMY 402L - Lab in Military Science VIII (1 Credit)

Lab in Military Science ARMY 402L is a supervised experience between USC and Military Professionals, in which students will conduct various training requirements for a future commissioned officer. This course will focus on the fundamentals of Military drill, customs, traditions, and special areas of knowledge required of future lieutenants.

Corequisite: ARMY 402.

ARMY 406 - American Military Experience (3 Credits)

Transformation of war and of the institutions for waging war from the American Revolution to the present.

Cross-listed course: HIST 468

ARMY 499 - Internship/Research in Military Science (1-3 Credits)

Supervised internship experience between USC and Military Organizations under the direction of a faculty member in military science. May be repeated for credit. Contract required.

Music (MUSC)

MUSC 100 - Recital Class (0 Credits)

Required attendance for music majors at recitals and seminars. Graded S or U.

MUSC 100A - Music Advocacy I: Understanding the Power of Your Music (0 Credits)

An introduction to advocacy methods, techniques and experiences to understand the positive effects of music in American society. Pass/Fail Grading.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MUSC 100L - Recital Class Laboratory (1 Credit)

Introduction to the literature and styles of western music. Not auditable.

MUSC 101A - Secondary Applied Music/ Flute/ Piccolo (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101B - Secondary Applied Music/ Oboe/ English Horn (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101C - Secondary Applied Music/ Clarinet (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101D - Secondary Applied Music/ Bassoon (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101E - Secondary Applied Music/ Saxophone (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101F - Secondary Applied Music/ French Horn (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101G - Secondary Applied Music/ Trumpet (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101H - Secondary Applied Music/ Trombone (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101I - Secondary Applied Music/ Euphonium (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101J - Secondary Applied Music/ Tuba (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101K - Secondary Applied Music/ Percussion (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101L - Secondary Applied Music/ Harpisochoord (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101N - Secondary Applied Music/ Classical Guitar (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101O - Secondary Applied Music/ Organ (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101P - Secondary Applied Music/ Piano (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101Q - Secondary Applied Music/ Harp (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Note: Not Auditable

MUSC 101R - Secondary Applied Music/ Violin (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101S - Secondary Applied Music/ Viola (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101T - Secondary Applied Music/ Violoncello (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101U - Secondary Applied Music/ Double Bass (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101V - Secondary Applied Music/ Voice (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101W - Secondary Applied Music/ Service Playing (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101Y - Secondary Applied Music/ Conducting (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 101Z - Secondary Applied Music/ Jazz (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 102 - Introduction to Classical Guitar (1 Credit)

Study of basic classical techniques, exercises, and repertory. Must be completed with at least a B before acceptance into applied sequence. Not Auditable.

MUSC 103 - Basic Guitar (2 Credits)

An introduction to playing the guitar as both a solo and an accompanying instrument. One class meeting and one private lesson per week.

MUSC 104 - Introduction to Piano (2 Credits)

An introductory course in the beginning techniques of making music at the piano. One group class and one private lesson each week. This class is designed for students with no prior formal training in piano.

MUSC 105 - Introduction to Singing (2 Credits)

An introduction to singing, designed for students with no prior formal training in music.

MUSC 110 - Introduction to Music (3 Credits)

Perceptive listening and appreciation of musical elements, forms and style periods, including composers' lives, individual styles and representative works. Emphasis on classical music; jazz and American popular music included.

Carolina Core: AIU

MUSC 110L - Introduction to Music Laboratory (0 Credits)**MUSC 111A - Lower Division Applied Music/ Flute/ Piccolo (1-3 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111B - Lower Division Applied Music/ Oboe/ English Horn (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111C - Lower Division Applied Music/ Clarinet (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111D - Lower Division Applied Music/ Bassoon (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111E - Lower Division Applied Music/ Saxophone (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111F - Lower Division Applied Music/ French Horn (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111G - Lower Division Applied Music/ Trumpet (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111H - Lower Division Applied Music/ Trombone (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111I - Lower Division Applied Music/ Euphonium (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111J - Lower Division Applied Music/ Tuba (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111K - Lower Division Applied Music/ Percussion (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111L - Lower Division Applied Music/ Harpsichord (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111N - Lower Division Applied Music/ Classical Guitar (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111O - Lower Division Applied Music/ Organ (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111P - Lower Division Applied Music/ Piano (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111Q - Lower Division Applied Music/ Harp (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111R - Lower Division Applied Music/ Violin (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111S - Lower Division Applied Music/ Viola (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111T - Lower Division Applied Music/ Violoncello (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111U - Lower Division Applied Music/ Double Bass (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111V - Lower Division Applied Music/ Voice (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111W - Lower Division Applied Music/ Service Playing (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111Y - Lower Division Applied Music/ Conducting (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 111Z - Lower Division Applied Music/ Jazz (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 113 - Special Topics in Popular Music (3 Credits)

An investigation into the function of popular music in contemporary society. May be repeated as content varies by title.

Carolina Core: AIU

MUSC 114 - Introduction to Music Theory (3 Credits)

Practice in basic written theory and aural skills. Concepts of rhythm, melody, harmony, form, and expression. Open to non-music majors. Not for credit toward major requirements in music degrees. Subdiscipline: Music (Theory and Composition).

Carolina Core: AIU

MUSC 115 - Music Theory I (3 Credits)

A survey of the sound, harmony, melody, rhythm, and form of diatonic tonal music of a variety of styles.

Prerequisites: C or better in MUSC 114 or passing score on the Undergraduate Theory Diagnostic Exam.

Carolina Core: AIU

MUSC 116 - Music Theory II (3 Credits)

Continuation of MUSC 115.

Prerequisites: MUSC 115.

MUSC 117 - Aural Skills I (1 Credit)

Development of musical independence, including sightsinging, ear training, rhythmic reading, dictation, and partsinging.

MUSC 118 - Aural Skills II (1 Credit)

Continuation of MUSC 117.

Prerequisites: MUSC 117.

MUSC 120 - Ensemble - Accompanying (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 121 - Carolina Basketball Band (0-1 Credits)

Ensemble of brass, woodwinds, percussion and guitar.

MUSC 122 - University Band (1 Credit)

A large concert ensemble of brass, woodwind, and percussion instrumentalists.

MUSC 123 - The Marching Band (1 Credit)

Not Auditable.

MUSC 124 - Symphonic Winds (1 Credit)

Not Auditable.

MUSC 125 - University Concert Choir (1 Credit)

Not Auditable.

MUSC 126 - University Orchestra (1 Credit)

Not Auditable.

MUSC 129 - University Chorus (1 Credit)

Not Auditable.

MUSC 130 - Ensemble (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Note: Not Auditable

MUSC 130A - Ensemble - Winds (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130D - Ensemble - Percussion (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130E - Contemporary Music Ensemble (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130F - Ensemble - Pep Band (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130G - Ensemble - Choral (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130H - Men's Chorus (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130I - Ensemble - Strings and Piano (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130K - Ensemble - Opera Workshop (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130L - Ensemble - Guitar (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130M - Musical Theatre Workshop (1 Credit)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130N - Ensemble - Strings (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130O - Ensemble - Opera Orchestra (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130P - Ensemble - Opera Production (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130Q - Ensemble - Gospel Choir (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130S - Ensemble - Vocal Jazz (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130U - Chamber Music (0-1 Credits)

Groups of musicians with keyboard and wind instrument combinations.

MUSC 130X - Women's Chorus (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130Y - Ensemble - Campus Choirs (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 130Z - Jazz Combo (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 131 - Jazz Ensemble (1 Credit)

Not Auditable.

MUSC 133 - Wind Ensemble (1 Credit)

Not Auditable.

MUSC 134 - Ensemble - Chamber Orchestra (1 Credit)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 135B - Brass Ensemble (0-1 Credits)

Ensembles of like Brass instruments, Trumpet, Trombone, Tuba, etc.

MUSC 135C - Ensemble - Steel Band (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 135D - Spring Drumline and Advanced Marching Percussion Methods (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices.

MUSC 135E - Ensemble - Saxophone (0-1 Credits)

Chamber ensembles; special ensembles of instruments and voices. Not Auditable.

MUSC 140 - Jazz and American Popular Music (3 Credits)

Development of jazz and American popular music through the study of important soloists, ensembles, arrangers, and composers.

Carolina Core: AIU

MUSC 145 - Introduction to Music Literature (3 Credits)

Listening to examples of all style periods and genres of Western music. Analysis of form and other audible style characteristics. Study of major works of the concert repertory.

Prerequisites: MUSC 110 for non music majors.

MUSC 203 - Basic Guitar II (2 Credits)

A continuation of MUSC 103 in which students learn to play the guitar as both a solo and an accompanying instrument. One class meeting and one private lesson per week.

Prerequisites: MUSC 103.

MUSC 210 - Understanding the Psychology of Music (3 Credits)

Various psychological and psychosocial aspects of human musical behavior, including introductory musical acoustics, perception and cognition of music, music and the brain, music processing across world cultures, music and emotions, music and human health, music in social contexts, and principles of experimental design.

Carolina Core: GSS

MUSC 211A - Lower Division Applied Music--Performance Track/ Flute/ Piccolo (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211B - Lower Division Applied Music--Performance Track/ Oboe/ English Horn (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211C - Lower Division Applied Music--Performance Track/ Clarinet (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211D - Lower Division Applied Music--Performance Track/ Bassoon (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211E - Lower Division Applied Music--Performance Track/ Saxophone (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211F - Lower Division Applied Music--Performance Track/ French Horn (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211G - Lower Division Applied Music--Performance Track/ Trumpet (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211H - Lower Division Applied Music--Performance Track/ Trombone (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211I - Lower Division Applied Music--Performance Track/ Euphonium (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211J - Lower Division Applied Music--Performance Track/ Tuba (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 211K - Lower Division Applied Music--Performance Track/ Percussion (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211L - Lower Division Applied Music--Performance Track/
Harpichord (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211N - Lower Division Applied Music--Performance Track/
Classical Guitar (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211O - Lower Division Applied Music--Performance Track/
Organ (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211P - Lower Division Applied Music--Performance Track/
Piano (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211Q - Lower Division Applied Music--Performance Track/
Harp (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211R - Lower Division Applied Music--Performance Track/
Violin (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211S - Lower Division Applied Music--Performance Track/
Viola (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211T - Lower Division Applied Music--Performance Track/
Violoncello (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211U - Lower Division Applied Music--Performance Track/
Double Bass (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211V - Lower Division Applied Music--Performance Track/
Voice (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211W - Lower Division Applied Music--Performance Track/
Service Playing (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211Y - Lower Division Applied Music--Performance Track/
Conducting (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

**MUSC 211Z - Lower Division Applied Music--Performance Track/
Jazz (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 215 - Music Theory II (3 Credits)

A survey of the sound, harmony, melody, rhythm, and form of tonal music of a variety of styles, expanding the diatonic framework with chromaticism.

Prerequisites: C or better in MUSC 115.

MUSC 216 - Music Theory IV (3 Credits)

A study of organization in music of the late 19th, 20th, and 21st centuries.

Prerequisites: MUSC 215.

MUSC 217 - Aural Skills III (1 Credit)

Continuation of MUSC 118.

Prerequisites: MUSC 118.

MUSC 218 - Aural Skills IV (1 Credit)

Continuation of MUSC 217.

Prerequisites: MUSC 217.

MUSC 219 - Jazz Improvisation I (3 Credits)

Application of aural and theoretical skills in selected jazz repertory.

Prerequisites: MUSC 120.

MUSC 220 - Jazz Improvisation II (3 Credits)

Application of aural and theoretical skills in selected jazz repertory.

Prerequisites: MUSC 120.

MUSC 230 - Introduction to Beat Making and Digital Audio Production (3 Credits)

Practice in basic audio production (signal-flow, digital audio workstations, plug-ins, virtual instruments, effects) and beat making (audio production in a digital workstation using samples, loops, and virtual instruments). Concepts of music production and prominent styles in beat-driven music.

Prerequisites: C or better in MUSC 114 or a passing score on the Music Theory Diagnostic Exam.

MUSC 231 - Introduction to Digital Music Creation (3 Credits)

Research, analysis, and creation of digital music using techniques in commercial and production music including DAW, MIDI, samples, effects, and more. In each learning module, students will read about, listen to, and analyze model recordings in specific subgenres of commercial, production, and art music before creating their own short music track. At the end of the semester students will research, plan, and create a final project based on their interests. Topics include Introduction to DAW, MIDI & signal flow; Virtual instruments & samples; The studio as instrument, Notation; Rhythm, groove, micro-timing, & beats; Building full textures & Orchestration; Music for advertising; Underscoring for TV & film; Video game music, vamps, & cycles; Sound design; and Electro-acoustic mixture.

Prerequisites: C or better in MUSC 115.

MUSC 268 - Keyboard Harmony and Sight Reading Laboratory (1 Credit)

Functional keyboard skills in sight reading, harmonization, transposition, and improvisation.

MUSC 269 - Beginning Piano Accompanying (1 Credit)

Approaches to specific problems in vocal and instrumental accompanying; supervised accompanying in class. Repeatable for credit.

Prerequisites: MUSC 268.

MUSC 278 - Introduction to Singer's Diction (2 Credits)

Techniques of pronunciation, phonetics, and international phonetic alphabet as applied to standard vocal repertory. Not auditable.

MUSC 305 - Introduction to Music Industry Studies (1 Credit)

An overview of the music industry. Students will explore a variety of music industry career paths in areas such as arts management, music products and merchandizing, public relations, music production and recording, publishing, online music distribution, and live music event organization.

MUSC 310 - Selected Topics (3 Credits)

Course content varies by title. Intended for nonmajors unless otherwise indicated.

Carolina Core: AIU

MUSC 311A - Upper Division Applied Music/ Flute/ Piccolo (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311B - Upper Division Applied Music/ Oboe/ English Horn (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311C - Upper Division Applied Music/ Clarinet (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311D - Upper Division Applied Music/ Bassoon (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311E - Upper Division Applied Music/ Saxophone (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311F - Upper Division Applied Music/ French Horn (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311G - Upper Division Applied Music/ Trumpet (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311H - Upper Division Applied Music/ Trombone (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311I - Upper Division Applied Music/ Euphonium (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311J - Upper Division Applied Music/ Tuba (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311K - Upper Division Applied Music/ Percussion (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311L - Upper Division Applied Music/ Harpsichord (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311N - Upper Division Applied Music/ Classical Guitar (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311O - Upper Division Applied Music/ Organ (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311P - Upper Division Applied Music/ Piano (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311Q - Upper Division Applied Music/ Harp (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311R - Upper Division Applied Music/ Violin (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311S - Upper Division Applied Music/ Viola (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311T - Upper Division Applied Music/ Violoncello (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311U - Upper Division Applied Music/ Double Bass (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311V - Upper Division Applied Music/ Voice (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311W - Upper Division Applied Music/ Service Playing (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311Y - Upper Division Applied Music/ Conducting (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 311Z - Upper Division Applied Music/ Jazz (1-3 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not Auditable.

MUSC 312 - Counterpoint (3 Credits)

Analysis and writing in contrapuntal forms.

Prerequisites: C or better in MUSC 215.

MUSC 313 - Twentieth-Century Techniques and Materials (3 Credits)

Study of the techniques, materials, and organization of 20th-century music.

Prerequisites: C or better in MUSC 215.

MUSC 315 - Topics in Music Theory (3 Credits)

Topics related to the study of music theory. Content varies by semester and will be announced by title in the schedule of classes. The course is repeatable up to 5 times.

Prerequisites: C or better in MUSC 215.

MUSC 316 - Music Composition I (3 Credits)

Introduction to music composition.

Prerequisites: MUSC 115 or equivalent experience.

MUSC 319 - Jazz Theory I (3 Credits)

Introduction to the language of jazz improvisation: rhythms, articulations, style, harmony and melody, forms, simple analysis, chord/scale relationships, ear training and keyboard harmony.

Prerequisites: MUSC 215.

MUSC 320 - Jazz Theory II (3 Credits)

Introduction to the language of jazz improvisation: rhythms, articulations, style, harmony and melody, forms, simple analysis, chord/scale relationships, ear training and keyboard harmony.

Prerequisites: MUSC 215.

MUSC 329 - Jazz Improvisation III (3 Credits)

Application of advanced aural and theoretical skills in selected jazz repertory.

Prerequisites: MUSC 220.

MUSC 330 - Jazz Improvisation IV (3 Credits)

Application of advanced aural and theoretical skills in selected jazz repertory.

Prerequisites: MUSC 220.

MUSC 333 - Basic Choral and Instrumental Conducting (2 Credits)

A course in organizing and conducting choral and instrumental ensembles in which basic conducting technique is acquired.

Prerequisites: MUSC 217.

MUSC 334 - Instrumental Conducting (2 Credits)

Emphasis upon advanced baton technique and its application through practical experience with laboratory ensembles.

Prerequisites: MUSC 333, MUSC 218.

MUSC 335 - Choral Conducting (2 Credits)

Further study of the techniques of choral conducting, principles of group tone production, and interpretative factors.

Prerequisites: MUSC 333, MUSC 218, MUED 355.

MUSC 336 - Introduction to Computer Music (3 Credits)

Techniques of computer-generated music production including aspects of MIDI, digital synthesis, and music programming. Open to students in any discipline. Not Auditable.

MUSC 340 - Jazz Literature (3 Credits)

Study of significant jazz recordings structured to foster familiarity with important jazz stylists, improvisers, composers, and arrangers in the post-swing era of jazz history.

MUSC 353 - History of Western Music I (3 Credits)

Western music from ca. 1500 through 1750, considering musical styles, genres and forms, and the contributions of composers through historical, analytical and musical perspectives. Subdiscipline: Music - History and Literature.

Prerequisites: C or better in MUSC 100L, MUSC 115, MUSC 116.

MUSC 354 - History of Western Music II (3 Credits)

Western music from ca. 1730 through ca. 1970, considering musical styles, genre and forms, and the contributions of composers through historical, analytical, and musical perspectives. Subdiscipline, Music - History and Literature.

Prerequisites: C or better in MUSC 353.

MUSC 365 - An Introduction to Audio Recording Techniques (3 Credits)

Basic acoustics; miking techniques; analog tape: recording, editing, mixing and duplication; signal processing.

MUSC 370 - Introduction to Teaching Artistry (3 Credits)

This course will explore the widely held understanding of the term teaching artist. By examining examples from the Teaching Artist practice, students will identify the skills, places, and communities where teaching artists are called to work. Furthermore, students will examine the philosophies, beliefs, and values held in the Teaching Artist profession. Finally, students will investigate the necessary tensions and questions about the Teaching Artist profession within the larger music education landscape.

MUSC 399 - Independent Study (1-3 Credits)

Contract approved by instructor, advisor and department chair is required for undergraduate students. Not auditable.

Graduation with Leadership Distinction: GLD: Research

MUSC 400 - Half Solo Recital (0 Credits)

Performance of a 30-minute public recital in the student's primary performance area.

Corequisite: One version of MUSC 411 (MUSC 411A - MUSC 411Z).

MUSC 401 - Full Solo Recital (0 Credits)

Performance of a 60-minute public recital in the student's primary performance area.

Corequisite: One version of MUSC 411 (MUSC 411A - MUSC 411Z).

MUSC 402 - Innovation Recital (0 Credits)

Participation in the performance of a public Innovation Recital in the student's primary performance area, combined with elements of the student's concentration (Chamber Music, Entrepreneurship, Music Technology).

Corequisite: One version of MUSC 411 (MUSC 411A - MUSC 411Z).

MUSC 410 - Vocal Coaching (1-2 Credits)

A study of stylistic, linguistic, and other performance issues in solo operatic, oratorio, and recital repertoire for singers. Not auditable.

MUSC 411A - Upper Division Applied Music--Performance Track/ Flute/ Piccolo (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 411B - Upper Division Applied Music--Performance Track/ Oboe/ English Horn (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 411C - Upper Division Applied Music--Performance Track/ Clarinet (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 411D - Upper Division Applied Music--Performance Track/ Bassoon (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 411E - Upper Division Applied Music--Performance Track/ Saxophone (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 411F - Upper Division Applied Music--Performance Track/ French Horn (2-4 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411G - Upper Division Applied Music--Performance Track/
Trumpet (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411H - Upper Division Applied Music--Performance Track/
Trombone (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411I - Upper Division Applied Music--Performance Track/
Euphonium (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411J - Upper Division Applied Music--Performance Track/
Tuba (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411K - Upper Division Applied Music--Performance Track/
Percussion (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411L - Upper Division Applied Music--Performance Track/
Harpichord (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411N - Upper Division Applied Music--Performance Track/
Classical Guitar (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411O - Upper Division Applied Music--Performance Track/
Organ (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411P - Upper Division Applied Music--Performance Track/
Piano (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411Q - Upper Division Applied Music--Performance Track/
Harp (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411R - Upper Division Applied Music--Performance Track/
Violin (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411S - Upper Division Applied Music--Performance Track/
Viola (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411T - Upper Division Applied Music--Performance Track/
Violoncello (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411U - Upper Division Applied Music--Performance Track/
Double Bass (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411V - Upper Division Applied Music--Performance Track/
Voice (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411W - Upper Division Applied Music--Performance Track/
Service Playing (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411Y - Upper Division Applied Music--Performance Track/
Conducting (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

**MUSC 411Z - Upper Division Applied Music--Performance Track/
Jazz (2-4 Credits)**

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 416 - Music Composition II (3 Credits)

Intermediate level composition class.

Prerequisites: MUSC 316.

**MUSC 445 - Special Topics in Musicology and Ethnomusicology (3
Credits)**

An exploration of methodologies in music research, investigating any combination of historical inquiries, including archival research and score studies; ethnographic approaches; and modern techniques such as sound studies, field recordings, critical theory, and digital humanities.

Prerequisites: C or better in MUSC 354.

MUSC 450 - Musical Theatre Workshop (2 Credits)

Intensive musical theatre training in areas of song interpretation, musical theatre, dance, voice and acting.

Cross-listed course: DANC 450, THEA 450

MUSC 455 - History of Western Music III (3 Credits)

Western music from ca. 1860 until the present time, considering musical styles, genre and forms, and the contributions of composers through historical, analytical, and musical perspectives. Subdiscipline, Music - History and Literature.

Prerequisites: MUSC 354.

MUSC 498 - Music Industry Capstone (2-3 Credits)

Culmination of Music Industry Studies with a focus on experiential learning or research, supervised by a faculty member. Studio Portfolio materials will be gathered to aid in matriculation to higher education or careers in the music industry. Can be taken twice for a credit for a maximum of six credit hours.

MUSC 500 - Topics in Performance and Literature (1-3 Credits)

Course content varies and will be announced in the schedule of course title.

MUSC 501 - Secondary Applied Music (1-2 Credits)

Courses consist of individual instruction including individualized assignments and regular private instruction and review. Instruments are designated by suffix: 501A-flute/piccolo; 501B-oboe/English horn; 501C-clarinet; 501D-bassoon; 501E-saxophone; 501F-French horn; 501G-trumpet; 501H-trombone; 501I-euphonium; 501J-tuba; 501K-percussion; 501L-harpichord; 501N-classical guitar; 501O-organ; 501P-piano; 501R-violin; 501S-violoncello; 501T-violoncello; 501U-double bass; 501V-voice; 501W-service playing; 501Y-conducting; 501Z-jazz. Repeatable for credit. Not auditable.

MUSC 511L - Applied Music/ Harpsichord (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511N - Applied Music/ Classical Guitar (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511O - Applied Music/ Organ (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511P - Applied Music/ Piano (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511Q - Applied Music/ Harp (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511R - Applied Music/ Violin (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511S - Applied Music/ Viola (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511T - Applied Music/ Violoncello (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511U - Applied Music/Double Bass (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511V - Applied Music/ Voice (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511W - Applied Music/ Service Playing (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511Y - Applied Music/ Conducting (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 511Z - Applied Music/ Jazz (1-2 Credits)

Course consists of individual instruction including individualized assignments and regular private instruction and review. Not auditable.

MUSC 515 - Orchestration (3 Credits)

Instrumentation and orchestration; possibilities and limitations idiomatic to specific orchestral instruments and ensemble combinations. Not auditable.

MUSC 516 - Composition (3 Credits)

Private study in music composition; may be repeated. Not auditable.

Prerequisites: MUSC 417 or equivalent experience.

MUSC 518 - Form and Analysis (3 Credits)

Examination of fundamental principles of musical forms; analysis of representative tonal works. Not auditable.

MUSC 520 - Studio Arranging and Composition (3 Credits)

Instruction and practice in arranging and composing in various jazz and commercial music styles and genres. May be repeated for credit. Not auditable.

MUSC 523 - Techniques and Materials of Tonal Music (3 Credits)

Study of the techniques and materials of tonal harmony and voice leading with integrated ear-training component. Not auditable.

MUSC 525 - Post-Tonal Music Theory (3 Credits)

Studies in post-tonal theoretical techniques and analysis. Not auditable.

Prerequisites: MUSC 216.

MUSC 526 - Analytical Studies (3 Credits)

Analytical techniques applied to music of a particular style, period, or genre. May be repeated for a total of 9 credits. Topic for any semester to be announced by title in the schedule of classes. Not auditable.

MUSC 528 - Seminar in Music Theory (3 Credits)

Advanced studies in music theory. Individual projects. Three meetings per week. Not auditable.

MUSC 529 - Eighteenth-Century Counterpoint (3 Credits)

Analysis and writing in contrapuntal forms with emphasis on the style of Bach. Not auditable.

MUSC 530 - Sixteenth-Century Counterpoint (3 Credits)

Analysis and writing in contrapuntal forms with emphasis on the style of Palestrina. Not auditable.

MUSC 540 - Projects in Computer Music (1-3 Credits)

Directed study in computer-music composition or research. Not auditable.

Prerequisites: MUSC 336.

MUSC 542 - Music History for Educators (3 Credits)

This online course focuses on the histories and contexts of Western art music, non-Western musics, popular, and American vernacular traditions. Methodologies for studying and applying these traditions for general education will overlap with current theories of music history pedagogy.

MUSC 543 - Song Literature (3 Credits)

A study of the development of the solo art song, illustrated by major works of the song writers of all major nationalities. Not auditable.

MUSC 544 - Topics in Music History (3 Credits)

Topic for any semester to be announced by title in the schedule of classes. May be repeated for a total of nine credits. Not auditable.

MUSC 545 - Survey of the Opera (3 Credits)

A survey of the literature of Classic, Romantic, and modern opera, with special attention given to the recognition of the best-known works in each school. Recordings. Open to all students as an elective. Not auditable.

MUSC 548 - Orchestra Literature (3 Credits)

Symphony, concerto, tone poem, and other symphonic works from the Classic, Romantic, and modern repertory. Changing concepts of orchestration. Not auditable.

MUSC 549 - Survey of Chamber Music (3 Credits)

The literature for small instrumental ensembles from the Baroque era to the present. The string quartet, divertimento, keyboard-accompanied sonata, etc. Not auditable.

MUSC 555 - World Music (3 Credits)

Rhythms, scales, forms, and instrument types basic to all music. European and American folk song, African and Native American tribal music, Asian music. Not auditable.

Prerequisites: MUSC 110 or equivalent.

Graduation with Leadership Distinction: GLD: Global Learning

MUSC 557 - American Music (3 Credits)

Survey of the music composed in the United States from the colonial period to the present. The influences of European, African, Indian, and South American musical styles. Not auditable.

MUSC 558 - Piano Literature I (3 Credits)

Standard piano literature including major masterpieces from 1700 to 1850. Emphasis on instrumental and stylistic developments, and historical and theoretical background for interpreting the literature of the piano. Not auditable.

MUSC 559 - Piano Literature II (3 Credits)

Standard piano literature including major masterpieces from 1850 to present. Emphasis on instrumental and stylistic developments, and historical and theoretical background for interpreting the literature of the piano. Not auditable.

MUSC 560 - Renaissance Music (3 Credits)

Western music from ca. 1300 to the early Baroque; vocal and instrumental forms, national schools, and performance practices. Not auditable.

Prerequisites: MUSC 353, MUSC 354.

MUSC 561 - Music of the Baroque (3 Credits)

Music from 1600 to 1750, including Monteverdi and Schutz through Handel and Bach. Not auditable.

Prerequisites: MUSC 353, MUSC 354.

MUSC 562 - Music of the Classical Period (3 Credits)

The works of Haydn, Mozart, and Beethoven; the music of their predecessors and contemporaries; the characteristics of the Viennese classical style. Not auditable.

Prerequisites: MUSC 353, MUSC 354.

MUSC 563 - Romantic Music (3 Credits)

The music of the 19th and early 20th centuries; the relationship of music to other arts in works such as Schubert's songs, Wagner's drama, and Berlioz' program symphony. Not auditable.

Prerequisites: MUSC 353, MUSC 354.

MUSC 564 - Music of the 20th Century (3 Credits)

Music from 1900 to the present; major trends in contemporary music. Not auditable.

Prerequisites: MUSC 353, MUSC 354.

MUSC 565 - Advanced Audio Recording Techniques (3 Credits)

Multi-microphone and ambisonic stereo recording techniques; multi-track recording, signal processing and audio production; digital audio. Studio and field experience. Not auditable.

Prerequisites: MUSC 365.

MUSC 566 - Fundamentals of Sound Use for Media (3 Credits)

Music for use in media; midi applications and synchronization methods using time code; direct-to-hard-disc tapeless audio recording software. Not auditable.

Prerequisites: MUSC 565.

MUSC 567 - Recording Studio Techniques (3 Credits)

Technology and techniques in the recording studio including use of equalizers, limiters, reverberators, compressors, the mixing console, multi-track recording, microphone techniques, and basic acoustics related to the instrumental and vocal recording process. Not auditable.

Prerequisites: C or better in MUSC 565.

MUSC 569 - Intermediate Piano Accompanying (3 Credits)

Approaches to specific problems in vocal and instrumental accompanying; supervised accompanying in class. Advanced work for experienced students. Not auditable.

MUSC 570 - Italian and Latin Diction (2 Credits)

Techniques of pronunciation, phonetics, and international phonetic alphabet as applied to standard vocal repertory, with emphasis on Italian and Latin languages. Not auditable.

MUSC 571 - Digital Audio Technology (3 Credits)

A study of the theory and practice of digital audio technology including analog to digital conversion, digital storage, error correction, transmission, basic digital signal processing, and synchronization.

Prerequisites: MUSC 365.

MUSC 572 - Advanced Audio Topics (3 Credits)

A study of the theory and practice of audio topics such as digital signal processing, psychoacoustics, data compression, sound reinforcement systems, wireless transmission, large scale system integration, and emerging technologies.

MUSC 573 - Performance Pedagogy I (3 Credits)

Basic concepts, techniques and materials for teaching a specific instrument. Not auditable.

MUSC 573L - Pedagogy Laboratory (2 Credits)

Directed teaching in laboratory and private settings. Not auditable.

Corequisite: MUSC 573 or MUSC 574.

Experiential Learning: Experiential Learning Opportunity**MUSC 574 - Performance Pedagogy II (3 Credits)**

Basic concepts, techniques and materials for teaching a specific instrument intermediate studies. Not auditable.

MUSC 574L - Pedagogy Laboratory (2 Credits)

Directed teaching in laboratory and private settings. Not auditable.

Corequisite: MUSC 573 or MUSC 574.

MUSC 575 - Directed Teaching in Pedagogy I (3 Credits)

Supervised teaching in a performance area. Not auditable.

MUSC 575L - Pedagogy Laboratory (2 Credits)

Directed teaching in laboratory and private settings. Not auditable.

Corequisite: MUSC 575.

MUSC 576 - Teaching in Pedagogy II (3 Credits)

Supervised teaching in a performance area. Course may be repeated for credit (6 credits total). Not auditable.

MUSC 576L - Pedagogy Laboratory (1 Credit)

Practical experience in preparing lesson plans and teaching theory-performance classes for precollege piano students on electronic and acoustical instruments. May be repeated for credit. Not auditable.

MUSC 577 - Vocal Pedagogy (2 Credits)

Anatomy and function of the singing voice with practical application to teaching. Not auditable.

MUSC 578 - German and English Diction (2 Credits)

Techniques of pronunciation for singing in German and English. Not auditable.

Prerequisites: C or better in MUSC 570.

MUSC 579 - French Diction (2 Credits)

Techniques of pronunciation for singing in French. Not auditable.

Prerequisites: C or better in MUSC 570.

MUSC 580 - Music & Arts Entrepreneurship (3 Credits)

Entrepreneurial skills and context for arts-based careers and business ventures. Students develop arts projects related to their interests.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MUSC 581 - The Alexander Technique (2 Credits)

Theoretical/experimental exploration of major body systems and developmental movements to bring more articulation to the body and more awareness and physical ease in performance. For music and education students. Not auditable.

MUSC 582 - Music and Money (3 Credits)

A survey of the for-profit and non-profit music economies and the broader policy that drives these economies. Restricted to Music majors.

MUSC 583 - Music and Worship (3 Credits)

The selection and leadership of music in the church service; music for the rural church; selecting and directing anthems and service music for the nonprofessional church choir; the transition from psalmody to hymnody in the 18th century; the Anglican Chant and the Lutheran Chorale. Not auditable.

MUSC 584 - Workshop in Music (1-3 Credits)

Selected topics in music. May be repeated as topic varies. Not auditable.

MUSC 585 - Organ Literature I (3 Credits)

Organ literature and registration from antiquity to 1750. Not auditable.

MUSC 586 - Organ Literature II (3 Credits)

Organ literature and registration 1750 to the present. Not auditable.

MUSC 587 - Repertories of Lute, Vihuela, and Guitar (3 Credits)

Solo literature for plucked, fretted instruments from the Renaissance into the 20th century. National styles, traits, and technical innovations included. Not auditable. Admission to upper division guitar study.

MUSC 588 - Business of Music (3 Credits)

Seminar on the business of music. Not auditable.

MUSC 589 - Arts Management (3 Credits)

Management techniques for organizations with a musical component such as: orchestra, opera, ballet, artist series. Not auditable.

MUSC 590 - Seminar in Music Entrepreneurship (3 Credits)

Analyses of music businesses through the use of case studies. Restricted to Music majors.

MUSC 591 - Music Leadership Practicum (3 Credits)

A practicum to design and execute an entrepreneurial music leadership project in Columbia, South Carolina. Restricted to Music majors.

Prerequisites: C or better in MUSC 580 and MUSC 582.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MUSC 592 - 21st Century Performer (3 Credits)

Issues confronting the professional performing musician. Topics will include performance-based income models and opportunities, program development, and promotional and supporting materials. Restricted to School of Music students.

MUSC 593 - Arts Marketing (3 Credits)

Arts marketing program challenges, arts organizations, building the successful private studio, marketing plans, social media and guerilla marketing, and market research.

MUSC 594 - Independent Music Teaching Business (3 Credits)

A study of all aspects of the creation and maintenance of a viable independent music teaching business. Restricted to School of Music students.

MUSC 595 - Community Engagement Through Music (2 Credits)

Community engagement as it relates to music, with a focus on developing practical skills in creating engaging, interactive performances for various audiences.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

MUSC 599 - Music Business Internship (1-3 Credits)

Supervised work experience as approved by area program director. May be repeated up to 6 credits. Not auditable.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Music Education (MUED)

MUED 104 - Secondary Strings (1 Credit)

MUED 104A-violin; MUED 104B-violola; MUED 104C-cello; MUED 104D-string bass; MUED 104P-guitar. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 104A - Secondary Strings-Violin (1 Credit)

Secondary Strings-Violin. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 104B - Secondary Strings-Viola (1 Credit)

Secondary Strings-Viola. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 104C - Secondary Strings-Cello (1 Credit)

Secondary Strings-Cello. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 104D - Secondary Strings-String Bass (1 Credit)

Secondary Strings-String Bass. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 104P - Secondary Strings-Guitar (1 Credit)

Secondary Strings-Guitar. Fundamentals of playing and teaching string instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, tone production, bowing, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 105A - Secondary Woodwinds-Flute (1 Credit)

Secondary Woodwinds - Flute. Fundamentals of playing and teaching woodwind instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 105B - Secondary Woodwinds-Oboe (1 Credit)

Secondary Woodwinds - Oboe. Fundamentals of playing and teaching woodwind instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 105C - Secondary Woodwinds-Clarinet (1 Credit)

Secondary Woodwinds - Clarinet. Fundamentals of playing and teaching woodwind instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 105D - Secondary Woodwinds-Bassoon (1 Credit)

Secondary Woodwinds - Bassoon. Fundamentals of playing and teaching woodwind instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 105P - Secondary Woodwinds-Saxophone (1 Credit)

Secondary Woodwinds - Saxophone. Fundamentals of playing and teaching woodwind instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 106A - Secondary Brass-Trumpet (1 Credit)

Secondary Brass - Trumpet. Fundamentals of playing and teaching brass instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 106B - Secondary Brass-French Horn (1 Credit)

Secondary Brass - French Horn. Fundamentals of playing and teaching brass instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 106C - Secondary Brass-Trombone (1 Credit)

Secondary Brass - Trombone. Fundamentals of playing and teaching brass instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 106D - Secondary Brass-Tuba Euphonium (1 Credit)

Secondary Brass - Tuba Euphonium. Fundamentals of playing and teaching brass instruments in a homogeneous class. Special study of problems unique to the instrument relating to care and repair, embouchure, tone production, articulation, fingering, intonation, and teaching materials. One class meeting per week. May be repeated for credit.

MUED 107 - Classroom Instruments (1 Credit)

Class instruction in guitar, recorder, non-pitched and pitched percussion, with emphasis on the development of performance skills, the understanding of pedagogical techniques and materials, and the ability to play and teach these instruments in a group setting.

Prerequisites: C or better in both MUED 200 and MUED 356.

MUED 155 - Group Piano (2 Credits)

A course for beginning piano students meeting in groups. Emphasis on music reading and elementary techniques. Two meetings and two laboratory periods a week. Repeatable once for credit.

MUED 156 - Group Piano (2 Credits)

A course for beginning piano students meeting in groups. Emphasis on music reading and elementary techniques. Two meetings and two laboratory periods a week. Repeatable once for credit.

MUED 165 - Class Voice (Basic) (2 Credits)

Elementary courses in singing in which both group and individual techniques are employed. Study of voice production and principles of singing.

MUED 166 - Class Voice (Basic) (2 Credits)

Elementary courses in singing in which both group and individual techniques are employed. Study of voice production and principles of singing.

MUED 200 - Music Education Practicum (1 Credit)

Practicum experiences in various types of public school music settings. Seminars and group discussions included. Pass-Fail credit.

MUED 265 - Class Voice (Intermediate) (2 Credits)

Continued study of the principles of singing and song repertoire.

Prerequisites: MUED 165, MUED 166, or preparation satisfactory to the instructor.

MUED 266 - Class Voice (Intermediate) (2 Credits)

Continued study of the principles of singing and song repertoire.

Prerequisites: MUED 165, MUED 166, or preparation satisfactory to the instructor.

MUED 333L - Choral Literature Lab I (1 Credit)

Practical application of choral conducting skills and rehearsal techniques with choral literature.

Corequisite: MUSC 333.

MUED 335L - Choral Literature Lab II (1 Credit)

Continued application of choral conducting skills and rehearsal techniques with choral literature.

Corequisite: MUSC 335.

MUED 355 - Advanced Group Piano (2 Credits)

Group piano for music education students emphasizing choral music. Opportunities for accompanying instrumentalists, vocalists, and choral groups. Repeatable once for credit.

MUED 356 - Advanced Group Piano (2 Credits)

Group piano for music education students emphasizing choral music. Opportunities for accompanying instrumentalists, vocalists, and choral groups. Repeatable once for credit.

MUED 357 - Wind Pedagogy I (2 Credits)

Fundamentals of playing and teaching wind instruments in a heterogeneous class. Study of basic principles regarding embouchure, tone production, articulation, fingering, and teaching materials.

MUED 358 - Strings (2 Credits)

Fundamentals of playing and teaching string instruments in a heterogeneous class. Problems unique to each instrument relating to care and repair, tone production, bowing, fingering, and teaching materials.

MUED 359 - Instrumental Techniques for Choral Majors (2 Credits)

Techniques for leading an instrumental or mixed choral/instrumental ensemble. Instrumental tone, maintenance, score-reading skills, transposition, and rehearsal methods. Not auditable.

MUED 360 - Percussion Techniques (2 Credits)

Fundamentals of playing and teaching percussion instruments. Special study of problems unique to each percussion instrument and related teaching materials.

Prerequisites: C or better in MUED 200.

MUED 360P - Percussion Practicum (1 Credit)

Practicum experiences teaching percussion in various types of school and community music settings.

Prerequisites: MUED 200.

MUED 454 - Music for Young Children (3 Credits)

Examination and practical application of methods, techniques, and materials for teaching music, Pre-K to Grade 5.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Internships

MUED 460 - Band Literature and Materials (1 Credit)

A study of teaching materials, solo- and small-ensemble literature, and full band ensemble literature appropriate for grades 5-12.

MUED 461 - Jazz/Pop Styles and Improvisation (1 Credit)

A study of the essential elements in jazz and popular music. Familiarization and practice with materials and methods of teaching improvisation and jazz performance.

MUED 462 - Technology for Music Teachers (1 Credit)

Familiarization with computer software and hardware for the teaching of music and administration of music programs.

MUED 465 - General Music in Elementary Schools (2 Credits)

Discussion of sequential music development; implementation of methods, techniques, and materials for teaching music in grades K-5.

Prerequisites: C or better in MUED 200.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 465P - Practicum in Elementary Music (1 Credit)

Practical application of elementary methods and techniques studied in school settings.

Corequisite: MUED 465.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 466 - General Music in Secondary Schools (2 Credits)

Middle-school and high-school general music education philosophy, teaching techniques, music objectives, curriculum development, administration, facilities, and equipment.

Prerequisites: EDUC 300.

MUED 467 - Choral Methods and Materials (3 Credits)

Procedures and materials for choral instruction applicable to elementary, middle-school, and high-school choruses; basic concepts of choral tone and vocal development.

Prerequisites: C or better in each of MUSC 216, MUED 200 and MUED 356.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 467P - Practicum in Choral Music (1 Credit)

Practical application of choral methods and techniques in school settings. Not auditable.

Corequisite: MUED 467.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 469 - Marching Band Techniques (2 Credits)

Fundamentals of marching, maneuvering, and formations; special features such as drum majoring and auxiliary units; discussion and planning of halftime shows.

MUED 477 - Directed Teaching (Music) (12 Credits)

A clinical field experience in the public school setting. Note: Prior to enrolling in MUED 477, students must complete the following: 1) Admission to the Professional Program, and 2) All MUED courses, and conducting courses are required for the student's specific degree track. Courses must be passed with Grade of "C" or better. Students are strongly encouraged to complete all MUSC courses prior to the student teaching semester for optimum preparation for the pre-service internship. No additional course work may be taken during the Directed Teaching semester without permission of the School of Music Undergraduate Director. Restricted to seniors. Special Permissions: Department
Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 533 - Methods for String Instruction I (2 Credits)

Fundamentals of teaching orchestral stringed instruments in school string and orchestra classes. Emphasis on sequential instruction, materials, and classroom management.

Prerequisites: C or better in both MUED 104 and MUED 200.

Corequisite: MUED 533P.

MUED 533P - Practicum in Methods of String Instruction I (1 Credit)

Practical application of string methods and materials in public and community school settings. Not auditable.

Corequisite: MUED 533.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

MUED 534 - Methods of String Instruction II (2 Credits)

Continued study of methods, materials, and concepts of teaching orchestral stringed instruments in school string and orchestra classes. Emphasis on rehearsal techniques and curricula.

Prerequisites: MUED 533, MUSC 101.

Corequisite: MUED 534P.

MUED 534P - Practicum in Methods of String Instruction II (1 Credit)

Practical application of string methods and materials in public and community school settings. Not auditable.

Corequisite: MUED 534.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

MUED 551 - The Middle School Band (2 Credits)

Study of teaching materials, methods, literature, and educational practices used in middle school band settings.

Prerequisites: C or better in each of MUED 105, MUED 106, and MUED 200.

MUED 552 - The High School Band (2 Credits)

Study of teaching materials, methods, literature, and educational practices used in high school band settings.

Prerequisites: MUED 551.

MUED 554 - Workshop in Music Education (1-3 Credits)

Selected topics in music education. May be repeated as the topic varies. Credits 1-3 per registration; 12 maximum.

MUED 555 - Integrating Music into the Elementary Classroom (3 Credits)

Develop activities and learning plans that integrate music into language arts, math, science, social studies, ELA, and learning for students with special needs. Apply those lessons in practicums with children.

MUED 557 - Wind Pedagogy II (2 Credits)

Continued study of the issues in playing and teaching wind instruments in a heterogeneous class. Special study of problems unique to each woodwind and brass instrument regarding fingering and intonation.

Prerequisites: MUED 357 or admission to MAT (music) program.

MUED 558 - Arranging for the Marching Band (2 Credits)

Instruction and practice in arranging music for the marching band.

MUED 564 - String Instrument Pedagogy (2 Credits)

Principles and practices in teaching string instruments, including Suzuki and Rolland. Emphasis on teaching in the private studio.

MUED 565 - Specialized Elementary Music Methods (2 Credits)

Advanced study of Orff, Kodaly, Dalcroze, and Gordon music learning theories as applied in elementary schools.

Prerequisites: MUED 465.

MUED 568 - Organization and Administration of Music Programs (2 Credits)

Topics include materials and techniques of class teaching, equipment purchase, budgeting, recruiting, public relations, and the music library.

Prerequisites: C or better in MUED 200.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

MUED 568P - Practicum in Instrumental Music (1 Credit)

Practical application of instrumental methods and techniques in school settings. Not auditable.

Corequisite: MUED 568.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Navy (NAVY)

NAVY 101 - Fundamentals of Naval Science (3 Credits)

The Naval Service with emphasis on the mission, organization, regulation, and components of the Navy and Marine Corps.

NAVY 102 - U.S. Military History (3 Credits)

A historical survey on the importance of military doctrine and the many roles of the United States Military covering from the American Revolution to present day. HIST 468 or ARMY 406 may be taken in lieu of this course to meet the Naval ROTC History requirement.

NAVY 111 - Naval Military Laboratory (0 Credits)

Military drill, cruise preparation, customs, traditions, and special areas of knowledge required of commissioned officers in the Navy and Marine Corps. Pass/Fail grading.

NAVY 201 - Naval Ships Systems I (3 Credits)

Types, structure, and purpose of naval ships. Hydrodynamic forces, stability, compartmentation, electrical, and auxiliary systems. Theory of design and operation of steam, gas turbine, and nuclear propulsion. Shipboard safety and firefighting.

NAVY 202 - Naval Ships Systems II (3 Credits)

Fire control systems, weapons types, capabilities, and limitations. Physical aspects of radar and underwater sound for target acquisition, threat analysis, tracking, weapons selection, delivery, and guidance. Explosives, fusing, and naval ordnance.

NAVY 301 - Navigation/Naval Operations I (4 Credits)

Piloting and celestial navigation theory, principles, and procedures. Tides, current, weather, use of navigational instruments and equipments, and practicum. Laboratory required.

NAVY 301L - Navigation/Naval Operations Lab I (0 Credits)

Laboratory work in piloting and celestial navigation to complement Naval Science 301. One hour per week.

NAVY 302 - Navigation/Naval Operations II (4 Credits)

International and Inland Rules of the Road; relative motion-vector analysis; ship handling, employment, tactics, and afloat communications; and operations analysis. Laboratory required.

NAVY 302L - Navigation/Naval Operations II Lab (0 Credits)

Laboratory work in maneuvering board (vector analysis) and Rules of the Road to complement Naval Science 302. One hour per week.

NAVY 303 - Evolution of the Art of War (3 Credits)

A survey of military history emphasizing principles of warfare, strategy and tactics, and significant military leaders and organizations.

NAVY 401 - Naval Leadership and Management I (3 Credits)

Theory and principles of management, focusing on the officer-manager as an organizational decision maker. Includes interpersonal skills; behavior factors; group dynamics.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NAVY 402 - Naval Leadership and Ethics (3 Credits)

Integration of professional military competencies and qualities of effective leadership with emphasis on moral and ethical responsibilities, accountability, communications, and military law for the junior officer.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NAVY 403 - Fundamentals of Maneuver Warfare (3 Credits)

The history of Maneuver Warfare emphasizing doctrine and techniques while enabling students to become critical thinkers and better prepare them for future service.

Nursing (LANU)

LANU 104 - Nursing Care Management I (4 Credits)

This course focuses on the knowledge, skills, and abilities that are fundamental to nursing practice with application in acute or extended care settings.

Prerequisites: Admission to the nursing program

Corequisite: BIOL 243, BIOL 243L; ENGL 101; LANU 206, LANU 106

LANU 106 - Pharmacologic Basics (2 Credits)

This introductory course outlines the basic concepts of pharmaceuticals, pharmacokinetics, pharmacodynamics, and pharmacotherapeutics. The process of clinical calculations is introduced, as well as the major drug classifications.

Prerequisites: Admission to the nursing program; LANU 159, LANU 211

Corequisite: BIOL 243, BIOL 243L; ENGL 101, ENGL 102; LANU 104, LANU 206

LANU 159 - Nurse Care Management II (6 Credits)

Focuses on the delivery of nursing care to an increasing number of individuals experiencing health problems emphasizing selected physiological systems.

Prerequisites: LANU 104, LANU 106, LANU 206

Corequisite: BIOL 244, BIOL 244L; PSYC 101; LANU 211

LANU 206 - Clinical Skills Application (2 Credits)

Involves the application of knowledge, skills, and abilities in a clinical setting.

Prerequisites: Admission to the nursing program

Corequisite: BIOL 243, BIOL 243L; ENGL 101; LANU 104, LANU 106

LANU 209 - Nursing Management III (5 Credits)

Focuses on the delivery of nursing care to an increasing number of individuals experiencing health problems emphasizing selected physiological systems.

Prerequisites: LANU 159, LANU 211

Corequisite: ENGL 102

LANU 211 - Care of the Childbearing Family (4 Credits)

This course facilitates the application of the nursing process to assist in meeting the needs of the childbearing and child-rearing family. Focus is on both normal and abnormal aspects.

Prerequisites: LANU 104, LANU 106, LANU 206

Corequisite: LANU 159; PSYC 101; BIOL 244, BIOL 244L

LANU 214 - Mental Health Nursing (4 Credits)

This course facilitates the utilization of the nursing process to assist in meeting the needs of patients with common mental health problems. Focus is on the dynamics of human behavior, ranging from normal to extreme.

Prerequisites: LANU 229

Corequisite: LANU 219, humanities/fine arts elective, elective

LANU 219 - Nursing Management and Leadership (4 Credits)

This course prepares the student for the professional nursing role through the introduction of management skills required to care for small groups of individuals and to function as a leader of a nursing team.

Prerequisites: LANU 214

LANU 229 - Nursing Care Management IV (6 Credits)

This course focuses on the delivery of nursing care to clients throughout the lifespan who are experiencing complex, multi-system health problems.

Prerequisites: LANU 209

Corequisite: BIOL 330, BIOL 330L; MATH 111

Nursing (NURS)

NURS 112 - Introduction to Nursing as a Profession (2 Credits)

Introduction to the profession of nursing. Provides the framework for the development and evolution of nursing practice.

NURS 201 - Introduction to Human Genetics for Health Care Professionals (3 Credits)

A comprehensive introduction to the field of human genetics designed to raise nursing students' awareness of the role of genetics in all areas of medical care. A clinical approach and emphasis.

NURS 208 - Introduction to Nursing Informatics (2 Credits)

An integration of nursing, computer and information sciences for the support of nursing practice. Focusing on effective utilization of technology and its application to nursing practice.

NURS 210 - Facilitative Communication (3 Credits)

Examination of communication theory and development of communication skills. Focuses on non-directive and directive interviewing techniques with dyads, small groups, and families.

Prerequisites: ENGL 101.

NURS 216 - Biophysical Pathology (3 Credits)

Pathology associated with biophysical alterations.

Prerequisites: CHEM 102; BIOL 243 and BIOL 244 or EXSC 224 and accompanying labs.

NURS 220 - Clinical Nutrition (3 Credits)

Principles of normal and therapeutic nutrition, and the role of the nurse in nutritional care.

Prerequisites: NURS 216.

NURS 226 - Socio-Cultural Variations in Health and Illness (3 Credits)

Diverse health care belief systems and how they influence human responses to health and illness. Focus on African-American and other cultural groups.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

NURS 250 - Nursing Science in Professional Practice (3 Credits)

Nursing as a science; selected concepts of self-care and communication within the context of nursing science. Transition course for registered nurse students only. Credit received for NURS 110 and NURS 210 upon completion.

NURS 309 - Nursing Health Assessment (3 Credits)

Cognitive skills, psychomotor skills and technologies necessary to perform health assessment.

Prerequisite or Corequisite: NURS 250.

NURS 311 - Introduction to Health Assessment (3 Credits)

Cognitive skills, psychomotor skills, and technologies necessary to perform health assessment. Laboratory required.

Corequisite: NURS 312, NURS 314.

NURS 312 - Foundations of Nursing Practice (5 Credits)

Cognitive, affective, and psychomotor skills and technologies necessary to nursing intervention. Practicum required.

Corequisite: NURS 311, NURS 314.

NURS 313 - Nursing Care of the Older Adult (3 Credits)

Nursing care focusing on health promotion, restoration, and support of older adults. Restricted to upper division nursing students.

Prerequisites: NURS 311 and NURS 312 for Generic BSN students; NURS 250 for RN-BSN students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NURS 314 - Clinical Reasoning in Nursing Practice (2 Credits)

The process of making clinical judgments.

Corequisite: NURS 311, NURS 312.

NURS 318 - Application of Pathophysiology and Pharmacology in Nursing (3 Credits)

Concepts of disease processes in the human body and related pharmacologic interventions. Focus on nursing assessments and interventions.

Prerequisites: NURS 250, BIOL 250.

NURS 324 - Chemical Therapeutics (3 Credits)

Pharmacology with an emphasis on clinical applications within the context of the nursing process and prioritization of needs.

Prerequisites: CHEM 102, NURS 216.

Corequisite: NURS 311, NURS 312, NURS 313, and NURS 314.

NURS 327 - Perioperative Nursing (3 Credits)

Perioperative care of clients with common, recurring nursing problems requiring surgical intervention. Perioperative practicum required.

Prerequisites: NURS 322, NURS 323.

NURS 398 - Selected Topics (3 Credits)

Topics of special interest in nursing. Individual topics to be announced in schedule by title.

NURS 399 - Independent Study (1-6 Credits)

Number of credits to be contracted with instructor at the beginning of the course. Contract approved by instructor, advisor and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

NURS 400 - Evidence-based Nursing Practice (3 Credits)

Introduction to the language and process of research and the use of best practices to guide nursing practice.

Prerequisites: STAT 110 and NURS 314 for Generic BSN students; NURS 250 for RN-BSN students.

Graduation with Leadership Distinction: GLD: Research

NURS 406 - Critical Care Nursing of Adults (3 Credits)

Introduction to nursing of the critically ill adult. Application in selected clinical settings.

Prerequisites: NURS 323 or equivalent.

NURS 411 - Psychiatric/Mental Health Nursing (4 Credits)

Nursing care of clients experiencing psychiatric/mental health problems, with focus on promotion, restoration, and support. Practicum required.

Prerequisites: NURS 311, NURS 312, NURS 314, and NURS 324.

Prerequisite or Corequisite: NURS 412.

NURS 412 - Acute Care Nursing of Adults I (5 Credits)

Nursing care of acutely ill adults in a variety of settings. Practicum required.

Prerequisites: NURS 311, NURS 312, NURS 314, and NURS 324.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

NURS 420 - Emerging Issues in Health Care (3 Credits)

Examination of emerging health-related issues and their relevance to professional nursing practice.

Prerequisites: NURS 250.

NURS 422 - Acute Care Nursing of Adults II (5 Credits)

Nursing care of acutely ill adults in a variety of settings. Practicum required.

Prerequisites: NURS 324 and NURS 412.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

NURS 424 - Maternal/Newborn Nursing (4 Credits)

Nursing care of childbearing women and their neonates and families. Focus on uncomplicated pregnancy and birthing processes. Practicum required.

Prerequisites: NURS 311, NURS 312, NURS 314, and NURS 324.

Corequisite: NURS 425.

Prerequisite or Corequisite: NURS 412.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

NURS 425 - Nursing of Children and Families (4 Credits)

Nursing care of families throughout their childrearing years, focusing on health promotion, restoration, and support of their children. Practicum required.

Prerequisites: NURS 311, NURS 312, NURS 314, and NURS 324.

Corequisite: NURS 424.

Prerequisite or Corequisite: NURS 412.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

NURS 428 - Nursing Leadership and Management (4 Credits)

Concepts and principles of leadership, management, policy, and politics in delivering patient care within health care systems and the implications related to nursing practice. Relationships between policies and politics in the health field and the impact on patient care and access to healthcare.

Prerequisites: NURS 250 for RN-BSN students.

Corequisite: NURS 435 for pre-licensure BSN students only.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NURS 431 - Population Health Nursing (3-4 Credits)

Concepts and principles of aggregate and community health.

Prerequisites: NURS 250 RN-BSN students.

Graduation with Leadership Distinction: GLD: Community Service

NURS 434 - Community-Based Clinical Practicum for RNs (3 Credits)

Community-based application and synthesis of professional nursing roles and responsibilities with selected populations determined to be at risk for a variety of health-related problems.

NURS 435 - Senior Nursing Capstone Practicum (8 Credits)

Clinical experiences in managing patient care and leading the healthcare team in a variety of agencies. Practicum required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

NURS 491 - Community and Environmental Assessment (1 Credit)

Comprehensive assessment and analysis of a community and its environment within the framework of community health nursing.

Practicum only.

Corequisite: NURS 708.

Graduation with Leadership Distinction: GLD: Professional and Civic

Engagement Internships

NURS 502 - International Issues in Health Care and Policy (1 Credit)

Provides the opportunity for students to study healthcare systems, health policy, and cultural values surrounding health care in countries outside the USA.

NURS 504 - Emergency Preparedness: Implications for Health Care Professionals (3 Credits)

Principles of emergency preparedness with implications for health care at the local, regional, national, and global levels.

NURS 505 - Caring for Limited English Proficient Patients (3 Credits)

Principles and policies for clinical practice with Limited English Proficient patients.

NURS 506 - Special Topics in International Nursing (3 Credits)

Experiential field study to examine international nursing in another country. Course content varies and will be announced in the schedule of courses by title. May be repeated for credit.

Prerequisites: NURS 312.

NURS 534 - The Rural Interdisciplinary Practicum (1-6 Credits)

Students live and practice in a rural, interdisciplinary environment and participate in an organized community-based health care activity. Contract approved by instructor and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

NURS 541 - Issues in Women's Health (3 Credits)

An exploration of women's health and health care concerns from multiple perspectives.

Cross-listed course: WGST 541

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

NURS 553 - In-Service Education (3 Credits)

Organizing, developing, implementing, and evaluating the in-service education program.

NURS 571 - Special Topics (3 Credits)

Topics vary by title, consent of instructor.

NURS 590 - Special Topics in International Nursing and Healthcare (1 Credit)

Provides the opportunity for students to study education, healthcare systems, and cultural values surrounding health care in countries outside the U.S.A.

Palmetto College (PCAM)

PCAM 101 - Nursing Concepts, Communication, and Calculations (3 Credits)

This course introduces concepts essential to basic nursing practice.

Nursing's historical evolution as a profession through theory, concept and role development will be presented. An overview of medical terminology and medical calculations is provided as skills that promote patient safety within the health disciplines. Written communication skills for the professional nurse will be presented. Students will be introduced to the difference between scholarly and non-scholarly sources.

PCAM 104 - Foundations of Composition (3 Credits)

A course in writing skills with practice in composing essays, including intensive review of grammar, punctuation, and mechanics.

PCAM 105 - Contemporary College Mathematics (3 Credits)

Linear and quadratic equations and models, functions, exponential models, logarithms, systems of equations, fundamentals of probability and statistics.

PCAM 106 - Foundations of College Algebra (3 Credits)

Operations on real numbers, linear equations and inequalities, quadratic equations, factoring, absolute value equations, exponential and radical expressions, graphs, and functions. Additional topics may include math study skills, logarithms, exponential functions, probability, statistics, systems of equations, polynomial division, and mathematical modeling.

Prerequisites: C or better in PCAM 106 students must pass the math placement test (MPT) with a minimum score of MB1 or MA2.

PCAM 141 - Introduction to Computer Keyboarding (3 Credits)

Keyboarding using the touch method, inputting, editing, and printing. Designed for students without keyboarding skills. Elective credit only. This course might not apply toward associate's degrees or Columbia baccalaureate degrees.

PCAM 151 - Computer Literacy and Applications (3 Credits)

PCAM 201 - Introduction to Internet Research (3 Credits)
Developing the means by which students may learn to access the Internet through mainframe and PC connections to accomplish specific research needs. This course might not apply toward associate degrees or Columbia baccalaureate degrees.

Prerequisites: CSCE 101.

PCAM 205 - Foundations of Leadership (3 Credits)

This course combines leadership theory with practical application, equipping students with the knowledge and skills needed to work more effectively with people, become better leaders, and reach their professional goals.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PCAM 299 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and academic dean is required for undergraduate studies. May be taken for elective credit only. May be repeated for up to 6 credits hours.

Palmetto Programs (PALM)

PALM 401 - Palmetto Senior Capstone Experience (3 Credits)

Integration of interdisciplinary program of study and general education; intensive writing and research project.

Prerequisites: PALM 493 and PALM 494 or PALM 495.

PALM 493 - South Carolina Studies (3 Credits)

Reading and writing about South Carolina from the perspective of multiple disciplines, incorporating elements of the student's major and cognate.

PALM 494 - Internship (3 Credits)

Supervised immersion and exploration in a field related to the major, with a career, cultural, or community focus.

Prerequisites: C or better in PALM 493.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

PALM 495 - Service-Learning (3 Credits)

An exploration of theories of service-learning with application of practical solutions to meet community needs.

Prerequisites: C or better in PALM 493.

Experiential Learning: Experiential Learning Opportunity

Pathology & Microbiology (PAMB)

Philosophy (PHIL)

PHIL 101 - Special Topics in Philosophy (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes by title.

PHIL 102 - Introduction to Philosophy (3 Credits)

An introduction to the main problems of philosophy and its methods of inquiry, analysis, and criticism. Works of important philosophers will be read. Honors section offered.

PHIL 103 - Special Topics in Ethics and Values (3 Credits)

A study of the moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty, and obligation, as they relate to specific issues or areas of life. May be repeated as content varies by title.

Carolina Core: VSR

PHIL 111 - Introduction to Logic II (3 Credits)

Philosophical foundations of inductive inference, including probability, statistics, and decision theory; application of the methods and results of inductive inference to philosophical problems such as the problem of rationality, epistemology, theory confirmation, social and political philosophy.

Prerequisites: At least one of the following: PSYC 227; SOCY 220; STAT 110, STAT 112, STAT 201, STAT 205, or STAT 206; MGSC 291.

Carolina Core: ARP

PHIL 114 - Introduction to Formal Logic I (3 Credits)

Formal logic, including foundational logical concepts, syntax and semantics of first-order logic; derivations; applications.

Carolina Core: ARP

PHIL 115 - Introduction to Formal Logic II (3 Credits)

Intermediate topics in predicate logic, including second-order predicate logic; meta-theory, including soundness and completeness; introduction to non-classical logic

Prerequisites: C or higher in PHIL 114 or PHIL 110, or a department-approved equivalent.

Carolina Core: ARP

PHIL 210 - Philosophical Themes in Literature (3 Credits)

Selected philosophical problems as they are presented in imaginative and theoretical literature. Works of fiction and philosophical treatments of issues involved in them will be read and discussed.

PHIL 211 - Contemporary Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society. Topics will vary but may include discussion of problems related to abortion, drugs, euthanasia, war, social engineering, and punishment of criminals.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 212 - Images of the Human Person (3 Credits)

Images of the human person in contemporary philosophy, literature, psychology, and religion, and an evaluation of these images as norms for human conduct and social policy. Particular attention may be given to images found in specific philosophical traditions, including existentialism, Marxism, behaviorism, and mysticism.

PHIL 213 - Communicating Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society and the challenges of communicating effectively about them. Topics will vary but may include access to health care, euthanasia, abortion, same sex marriage and the moral and environmental consequences of eating animals.

Cross-listed course: SPCH 213

Carolina Core: CMS, VSR

PHIL 214 - Science and Pseudo-Science (3 Credits)

Attempts to distinguish science from pseudo-science; inquiry into such cases as astrology, psychoanalysis, and parapsychology.

Graduation with Leadership Distinction: GLD: Research

PHIL 301 - Ancient Philosophy (3 Credits)

An introduction to the work of ancient philosophers, with special emphasis on Plato and Aristotle.

Cross-listed course: CLAS 301

PHIL 302 - Greek and Roman Philosophy after Aristotle (3 Credits)

Problems such as hedonism, providence, belief and evidence, and mysticism, as they appear in the writings of Epicureans, Stoics, Sceptics, and Plotinus.

Cross-listed course: CLAS 302

PHIL 303 - History of Medieval Philosophy (3 Credits)

Major philosophical traditions in the Middle Ages.

PHIL 304 - Seventeenth and Eighteenth-Century Philosophy (3 Credits)

An introduction to Continental and British philosophy running roughly from Descartes through Kant.

PHIL 305 - Nineteenth and Twentieth-Century Philosophy (3 Credits)

An introduction to Continental and British philosophy since Kant through study of the works of representative philosophers. Particular emphasis is placed on the development of Idealism, Marxism, Existentialism and Phenomenology, and analytic philosophy.

PHIL 310 - American Philosophy (3 Credits)

The principal movements of philosophical thought from Colonial times to the present, with special emphasis on the 19th and 20th centuries.

PHIL 311 - Existentialism (3 Credits)

An introduction to existentialist themes in contemporary philosophy, literature, psychology, and religion. The writings of existentialists such as Kierkegaard, Nietzsche, Camus, Sartre, Buber, May, and Binswanger will be read and discussed.

PHIL 312 - Classical Origins of Western Medical Ethics (3 Credits)

Examination of ancient Greek and Roman philosophical, medical, and literary works (in English) as sources for the origins of medical ethics. Priority enrollment for Medical Humanities students.

Cross-listed course: CLAS 360

PHIL 313 - Between Magic and Method: Ancient Medicine (3 Credits)

Introduction to ancient medicine: science and art, theory and practice, healing and predicting. Topics include: Medicine before Hippocrates, Hippocratic medicine, holism, naturalism, medicine, religion and magic, medicine and scientific explanation, Hellenistic medicine and methodology, Galenic medicine.

Cross-listed course: CLAS 361

PHIL 315 - Asian Religious Philosophy (3 Credits)

A historical overview and critical introduction to the philosophical practices of Asian religions; an examination of the basic worldviews, thought frameworks, and foundational questions of the main schools of premodern Asian religious philosophy.

Cross-listed course: RELG 334

PHIL 320 - Ethics (3 Credits)

A study of the moral principles of conduct and the basic concepts underlying these principles, such as good, evil, right, wrong, justice, value, duty, and obligation. The ethical works of influential philosophers are analyzed in terms of these concepts.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 321 - Medical Ethics (3 Credits)

The concepts of Person and Justice as they relate to biomedical sciences and technologies.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 322 - Environmental Ethics (3 Credits)

Examination of principles and arguments surrounding moral issues involving the environment.

Cross-listed course: ENVR 322

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

PHIL 323 - Ethics of Science and Technology (3 Credits)

Role of ethical judgments in directing or curtailing scientific research; case studies from natural and social sciences.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 324 - Business Ethics (3 Credits)

Ethical problems in business; application to business situations of philosophical theories of individual, corporate, and governmental rights and responsibilities.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 325 - Engineering Ethics (3 Credits)

An investigation of ethical issues in engineering and engineering-related technology. Topics include whistleblowing, employee/employer relations, environmental issues, issues related to advances in information technology, and privacy.

Carolina Core: CMS, VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 329 - Law and Religion (3 Credits)

An examination and critical assessment of the philosophical concepts, issues, and questions surrounding the relationship of church and state.

PHIL 330 - Social and Political Philosophy (3 Credits)

An overview of major themes in political philosophy such as the nature of politics, obligation, community, representation, freedom, equality, and justice.

Cross-listed course: POLI 300

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 331 - Crime and Justice (3 Credits)

The fundamental concepts of a criminal justice system and their philosophical bases. Rights, privacy, responsibility, and the problem of justification of state control of private behavior through punishment and therapy.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PHIL 332 - Philosophy of Education (3 Credits)

A critical examination of the theories of education of such philosophers as Plato, Rousseau, Dewey, Newman, and Whitehead. Emphasis is on the development of a philosophy of higher education.

PHIL 333 - Contemporary Marxism and Society (3 Credits)

Recent Marxist-inspired critics of politics, science, technology, art, advertising, and other aspects of cultural life, with comparison both to Marx's philosophical and economic writings and to other types of contemporary criticisms.

PHIL 334 - Feminist Philosophy (3 Credits)

Introduces feminist philosophy and applications to philosophical problems.

Cross-listed course: WGST 334

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 335 - Disobedience, Dissent, and Revolution (3 Credits)

This course explores central philosophical issues related to resisting and opposing claimed state authority. Focus will be on classic and modern texts regarding the intentional, ethically-, or politically-motivated violation of law and on the justification of revolution.

Carolina Core: VSR

PHIL 340 - Philosophy of Art (3 Credits)

Philosophical problems relating to the arts, with emphasis on questions pertaining to aesthetic experience.

PHIL 341 - Philosophy and Film (3 Credits)

Selected philosophical problems as they are presented in feature and documentary films.

PHIL 350 - Knowledge and Reality (3 Credits)

Examination of skeptical attacks, critical defenses, and philosophical theories of what we know and what is to be taken as ultimate reality.

PHIL 351 - Mind and Nature (3 Credits)

Philosophical theories about the nature of consciousness, the problem of qualia, phenomenal concepts, the explanatory gap hypothesis, higher-order consciousness, prospects for naturalistic accounts of consciousness.

PHIL 352 - Freedom and Human Action (3 Credits)

The principal movements of philosophical thought from Colonial times to the present, with special emphasis on the 19th and 20th centuries.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PHIL 360 - History and Philosophy of Science (3 Credits)

Philosophy and history of science and their interaction from ancient Greece to the present. Emphasis on physics, astronomy, and chemistry.

PHIL 362 - Philosophy of Research Design in Science and Medicine (3 Credits)

A philosophical investigation of research methods used in science and medicine from systematic reviewing and randomized controlled trials to theories of sampling and causal inference.

PHIL 365 - Formal Theories of Rationality and Their Philosophical Implications (3 Credits)

Formal theories of rationality in the context of decision-making and games; uses of these formal theories to address traditional philosophical issues such as rationality, knowledge, choice, social welfare, cooperation, and communication.

Prerequisites: C or higher in any course that satisfies the ARP Carolina Core requirement.

PHIL 370 - Special Topics in Philosophy (3 Credits)

Topics selected by the instructor for specialized study. Course content varies and will be announced in the schedule of classes by title.

PHIL 390 - Junior Seminar in Philosophy (3 Credits)

Overview of philosophical theories and debates with attention to skills in discussion and presentation and in preparing and writing a research paper in philosophy. Topics selected by the instructor.

Graduation with Leadership Distinction: GLD: Research

PHIL 399 - Independent Study (3-9 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PHIL 490 - Senior Seminar in Philosophy (3 Credits)

Review of central topics in philosophy serving as a capstone course for senior majors in philosophy.

Graduation with Leadership Distinction: GLD: Research
Experiential Learning: Experiential Learning Opportunity

PHIL 495 - Senior Thesis (3 Credits)

Directed research resulting in a written thesis. Senior philosophy major or double major, GPA of 3.30, permission of faculty member.

Graduation with Leadership Distinction: GLD: Research

PHIL 501 - British Empiricism (3 Credits)

A historical and critical survey of the British philosophers of experience. Principal concentration is on Locke, Berkeley, and Hume.

Prerequisites: C or better in PHIL 304.

PHIL 502 - Continental Rationalism (3 Credits)

A critical and historical study of the 17th-century European philosophers. The works of Descartes, Spinoza, and Leibniz are emphasized.

Prerequisites: C or better in PHIL 304.

PHIL 503 - Analytic Philosophy (3 Credits)

A critical study of recent and contemporary works in philosophical analysis, and an evaluation of the purposes, methods, and results of this movement.

Prerequisites: C or better on 3 hours in philosophy beyond the 100 level.

PHIL 504 - Phenomenology and Existentialism (3 Credits)

A critical study of some fundamental themes in phenomenology and the philosophy of existence. Emphasis is placed on an intensive study of selected works of such writers as Kierkegaard, Jaspers, Husserl, and Heidegger.

Prerequisites: C or better in PHIL 304 or PHIL 305.

PHIL 505 - Plato (3 Credits)

An intensive study of selected Dialogues by Plato.

Prerequisites: C or better in PHIL 301.

PHIL 506 - Aristotle (3 Credits)

An intensive study of some of the more important of Aristotle's works.

Prerequisites: C or better in PHIL 301.

PHIL 507 - Medieval Philosophy (3 Credits)

A historical and critical study of the works of the leading medieval philosophers.

Prerequisites: C or better in PHIL 303.

PHIL 508 - Hume (3 Credits)

An intensive study of the philosophical writings of Hume, especially A Treatise of Human Nature.

Prerequisites: C or better in PHIL 304.

PHIL 509 - Kant (3 Credits)

An intensive study of the work of Kant, especially the Critique of Pure Reason.

Prerequisites: C or better in PHIL 304.

PHIL 510 - Theory of Knowledge (3 Credits)

An examination of some representative theories of truth, meaning, probability, and perception.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 511 - Symbolic Logic (3 Credits)

A presentation and philosophical examination of the fundamentals of modern symbolic logic.

Prerequisites: C or better in PHIL 115.

PHIL 512 - Philosophy of Science (3 Credits)

A critical examination of methods and concepts of the sciences. Topics include scientific revolutions, the unity of science, experimentation, explanation, and evidence.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 513 - Philosophy of History (3 Credits)

A philosophical examination of historical inquiry. Theories of historical development. The logical problems of historical explanation.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 514 - Ethical Theory (3 Credits)

Survey of recent and historical developments in ethical theory with special emphasis on the meaning of ethical language and the forms of reasoning employed in discussing moral values.

Prerequisites: C or better in PHIL 320.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 515 - Philosophy of Religion (3 Credits)

A critical study of selected problems in the philosophy of religion. Emphasis is placed on problems relating to the existence of God, religious knowledge, and the language of religion.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 516 - Advanced Aesthetics (3 Credits)

Detailed examination of the literature on aesthetics.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 517 - Philosophy of Language (3 Credits)

An examination of concepts and problems such as meaning, reference, analyticity, definition, and the relation between logic and philosophy.

Prerequisites: C or higher in PHIL 114 or PHIL 511.

Cross-listed course: LING 565

PHIL 518 - Philosophy of the Social Sciences (3 Credits)

The goals of inquiry and problems such as objectivity, reduction, value freedom, and ideology.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 519 - Metaphysics (3 Credits)

Major issues in classical and modern metaphysics. Topics include the idea of first philosophy, being, substance, the problem of universals, essentialism, causation, time and space, and metaphysical method.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 520 - Philosophy of Mind (3 Credits)

The concept of mind, the mind-body problem, emotions and cognition, the possibility of artificial minds, theories of embodied cognition.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 521 - Mathematical Logic (3 Credits)

Axiomatic development of logic and the set-theoretic foundations of mathematics.

Prerequisites: C or better in PHIL 511.

PHIL 522 - Introduction to Semantics and Pragmatics (3 Credits)

Introduction to the study of linguistic meaning, including the following topics: meaning, reference, and truth; the connections among language, thought, and reality; word meaning and sentence meaning; possible worlds and modality; thematic roles; meaning and context; presupposition and implicature; speech acts; formal semantics; and cognitive semantics.

Prerequisites: C or better in any of LING 300, LING 301, LING 600, PHIL 114, PHIL 511.

Cross-listed course: LING 627

PHIL 523 - Advanced Topics in Logic (3 Credits)

Philosophical problems about logic, the development of philosophical logics, and the problems surrounding them.

Prerequisites: C or better in PHIL 511.

PHIL 524 - Philosophy of Biology (3 Credits)

Examination of major conceptual, theoretical, and methodological issues in biological science. Topics include reductionism, units of selection, adaptationism, relations between evolutionary and developmental biology and between biology and society.

Prerequisites: C or better in 3 hours of Philosophy beyond the 100 level.

PHIL 526 - Hellenistic Philosophy (3 Credits)

Survey of the major schools and trends in Hellenistic philosophy: Epicureans, Stoics, Academic Sceptics. Topics include eudaimonism, hedonism, monism, teleology, and the criterion of truth.

Prerequisites: C or better in PHIL 301 or PHIL 302.

PHIL 527 - Virtues, Acts, and Consequences (3 Credits)

Recent contributions to three central strands of ethical theory: virtue theory, deontology, and utilitarianism; historical roots and recent developments.

Prerequisites: C or better in PHIL 320.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PHIL 528 - Concepts of Evidence (3 Credits)

Systematic approaches to data analysis—Bayesian, Fisherian and decision theoretic—will be critically appraised. Applications of these theories to some problems of inductive logic: the paradoxes of confirmation, the role of simplicity, and the probability of inductive generalizations.

Prerequisites: C or better in PHIL 350 or PHIL 351 or PHIL 360.

PHIL 531 - Jurisprudence (3 Credits)

An examination of a number of philosophical problems about the law: the nature and function of rules, the difference between legal rules and other rules, the nature of reasoning from legal rules, the concept of a legal system, and the relation of law and morals.

Prerequisites: C or better in PHIL 320 or PHIL 330.

PHIL 532 - Social Justice (3 Credits)

Recent theories of distributive justice and their application to such issues as redistribution of wealth, reverse discrimination, and the conflict between liberty and equality. Authors include Rawls, Nozick, Hayek, and Popper.

Prerequisites: C or better in PHIL 320 or PHIL 321 or PHIL 322 or PHIL 330 or PHIL 331.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Global Learning

PHIL 534 - Contemporary European Social Philosophy (3 Credits)

An examination of European social philosophy associated with either the Frankfurt School of Social Research or contemporary French Poststructuralism.

Prerequisites: C or better in 3 hours in philosophy beyond the 100 level.

PHIL 535 - Ecofeminism (3 Credits)

An exploration of the connections between oppression of women and oppression of nature.

Prerequisites: 3 hours in philosophy beyond the 100 level.

Cross-listed course: WGST 535

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PHIL 536 - Language and Interpretation in Contemporary European Philosophy (3 Credits)

Selected contemporary European philosophical movements, their views on language, and their approach to interpretation: hermeneutics, structuralism, poststructuralism.

Prerequisites: C or better in PHIL 114.

PHIL 540 - Renaissance Philosophy (3 Credits)

Humanism (e.g., Petrarca), Platonism (e.g., Pico and Ficino), Aristotelianism (e.g., Pomponazzi), philosophies of nature (e.g., Telesio, Campanella, and Bruno), and Nicholas of Cusa, Erasmus, Montaigne, and Suarez.

Prerequisites: C or better in PHIL 301 or PHIL 302 or PHIL 303.

PHIL 550 - Health Care Ethics (3 Credits)

An exploration of the ethical dimensions of patient care in the clinical setting.

Prerequisites: C or better in PHIL 320 or PHIL 321 or PHIL 322 or PHIL 330 or PHIL 331.

PHIL 598 - Readings in Philosophy (3 Credits)

Prerequisite: 6 hours in philosophy beyond the 100 level.

Physical Education (PEDU)

PEDU 100 - Contemporary Physical Activity (1 Credit)

Development of skills in an identified area. Course content will vary and be announced by title. May be repeated as topics vary.

PEDU 101 - Self-Defense For Women (1 Credit)

Basic knowledge and understanding of the culture and context in which interpersonal violence occurs, the root causes and patterns of behavior within violent relationships, self defense against forcible attacks, making immediate decisions when confronted with an assault, and the procedures necessary after an assault has occurred.

PEDU 102 - Contemporary Physical Activity (1-3 Credits)

Course contact will vary and be announced by title. May be repeated as topics vary.

PEDU 103 - Jogging (1 Credit)

Exercise, lectures, and self-evaluation for weight control and fitness improvement.

PEDU 104 - Personal Fitness and Weight Control (1 Credit)

Advanced techniques for controlling weight and improving fitness through exercise, lectures, and self-evaluation.

PEDU 105 - Weight Training (1 Credit)

Fundamentals of progressive resistance exercise training.

PEDU 106 - Advanced Weight Training (1 Credit)

Advanced techniques.

Prerequisites: PEDU 105.

PEDU 107 - Group Exercise (1 Credit)

Cardio-respiratory fitness, flexibility, muscular strength and endurance, and agility through various group exercise formats while utilizing a variety of equipment.

PEDU 108 - Fitness Swimming (1 Credit)

Individualized physical conditioning through lap swimming and aquatic calisthenics, games, and activities.

Prerequisites: PEDU 140.

PEDU 109 - ROTC Conditioning (1 Credit)

Exercise testing, technique, and leadership, program design and implementation, nutrition, individual and team competitions, and other forms of training.

PEDU 110 - Orientation to Physical Education (1 Credit)

Experiences in a variety of physical-activity areas.

PEDU 111 - Badminton (1 Credit)

Basic strokes and introduction to the history, rules, and strategy of the game.

PEDU 112 - Basketball (1 Credit)

Fundamental skills of game performance. Strategy, rules, and basic offenses and defenses.

PEDU 113 - Bowling (1 Credit)

Fundamental skills and techniques of bowling.

PEDU 114 - Golf (1 Credit)

Basic strokes, rules, and strategy of golf.

PEDU 115 - Gymnastics (1 Credit)

Fundamentals of gymnastics on the trampoline and balance beam; tumbling, parallel bars, rings, and the horse.

PEDU 116 - Handball (1 Credit)

Fundamentals, strategy, and rules of handball.

PEDU 117 - Karate (1 Credit)

Fundamentals.

PEDU 118 - Rugby (1 Credit)

Fundamental skills for game performance.

PEDU 119 - Soccer (1 Credit)

Fundamental skills for game performance; history, rules, and game strategy.

PEDU 120 - Softball (1 Credit)

Fundamental skills for game performance; history, rules, and game strategy.

PEDU 121 - Beginning Tennis (1 Credit)

Basic strokes, history, rules, and strategy of the game.

PEDU 122 - Volleyball (1 Credit)

Recreational and competitive volleyball skills.

PEDU 123 - Pilates (1 Credit)

Focus is placed on mind-body exercises which help strengthen and condition the muscles. Each exercise will focus on building core strength, lengthening muscles, and improving flexibility. Proper breathing will also be demonstrated for each exercise in order to achieve the maximum benefits.

PEDU 124 - Fencing (1 Credit)

Basic foil-fencing techniques, rules, terminology, history, and etiquette.

PEDU 125 - Intermediate Karate (1 Credit)

Prerequisite: PEDU 117.

PEDU 126 - Badminton/Golf (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 127 - Field Hockey (1 Credit)

Fundamental skills, rules, and terminology of field hockey.

PEDU 128 - Football (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 129 - Racquetball (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 130 - Intermediate Golf (1 Credit)

Intermediate strokes and strategies; heavier emphasis on the total golf swing.

Prerequisites: PEDU 114.

PEDU 131 - Basketball/Soccer (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 132 - Intermediate Tennis (1 Credit)

Intermediate skills and strategies.

Prerequisites: PEDU 121.

PEDU 133 - Track and Field (1 Credit)

Fundamental skills, rules, and terminology.

PEDU 134 - Flying Disc Sports (1 Credit)

Fundamentals and strategies of disc golf, ultimate and various physical activities using flying discs in recreational and competitive situations.

PEDU 135 - Tai-Chi-Chuan (1 Credit)

Students will learn to perform basic Tai-Chi-Chuan skills. Major consideration will be given to breathing skills and meditation to relieve stress.

PEDU 136 - Yoga (1 Credit)

Fundamental skills and terminology.

PEDU 137 - Tae Kwon Do (1 Credit)

Fundamental skills of Tae Kwon Do.

PEDU 138 - Softball/Volleyball (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 139 - Tennis/Track (1 Credit)

Students will learn to perform basic skills as well as to implement game strategies. Major consideration will be given on how to teach each sport.

PEDU 140 - Beginning Swimming (1 Credit)

Skills for safety and recreation.

PEDU 141 - Intermediate Swimming (1 Credit)

Prerequisite: PEDU 140.

PEDU 142 - Lifeguard Training (1 Credit)

Skills of lifesaving.

Prerequisites: swim 500 yards, tread water for one minute, and swim 20 feet underwater.

PEDU 143 - Water Safety Instructor Certification (1 Credit)

Skills, methods, and techniques to teach Red Cross Swimming and Life Saving.

Prerequisites: 17 years of age; sound physical condition; possession of the Red Cross Advanced Lifesaving Certificate, a Red Cross Swimmer Certificate, or the ability to perform the Swimmer Course.

PEDU 144 - Beginning Springboard Diving (1 Credit)

Basic dives and aesthetics of springboard diving.

Prerequisites: tread water and swim 20 feet underwater.

PEDU 145 - Skin and Scuba Diving (1 Credit)

Safe and effective use of equipment with emphasis on principles and physical laws of diving.

Prerequisites: ability to swim at the intermediate level.

PEDU 146 - Scuba (Open Water) (1 Credit)

Certification program in open water scuba instruction: safety, emergency procedures, equipment handling, navigation, and air consumption. Includes five open water dives.

PEDU 147 - Beginning Stand-Up Paddleboarding (1 Credit)

History and development of stand-up paddleboarding as a sport, safety protocol, paddleboard construction and design, terminology, fitness attributes and paddling techniques.

PEDU 148 - Team Water Sports (1 Credit)

Fundamental skills, rules, and strategies for participation in team water sports.

Prerequisites: intermediate swimming skills.

PEDU 149 - Survival Swimming (1 Credit)

Skills and techniques for survival under adverse conditions.

Prerequisites: swim 100 yards, tread water for one minute, and swim 20 feet underwater.

PEDU 150 - Basic Keelboat Sailing (1 Credit)

The course is designed to teach students to safely skipper and crew on a 20 to 27 foot sailboat with a tiller and outboard engine on lakes, bays, and sheltered waters in moderate weather conditions. Theory, history, safety, and teamwork will be emphasized.

PEDU 151 - Beginning Skateboarding (1 Credit)

History, rules, etiquette and techniques of skateboarding.

PEDU 152 - Power Yoga (1 Credit)

Vigorous yoga utilizing breath and movement to improve strength and flexibility.

PEDU 153 - Cardiopulmonary Resuscitation (1 Credit)

Knowledge and skills in providing artificial respiration, first aid for foreign body obstruction, one and two rescuer CPR for adults, infants, and children.

PEDU 154 - Advanced Open Water Scuba (1 Credit)

Development skills beyond open water diving: underwater navigation, night diving, and deep diving.

Prerequisites: PEDU 146.

PEDU 155 - Personal Training Preparation (3 Credits)

Safe and effective methods of exercise by the application of theories and principles of exercise science. Discussion of facility organization, legal liability, and injury prevention and treatment within the scope of becoming a fitness professional.

PEDU 156 - Gateway to Yoga (3 Credits)

Yoga philosophy, history, and asanas. Eight Limbs of Yoga, styles, history, brain and physical anatomy and their relation to yoga practice. Sanskrit terminology and how they apply to yoga, the yogic diet and its effect on the brain and body.

PEDU 160 - Intermediate Yoga (1 Credit)

This course is designed to provide the historical and philosophical context of Mindfulness and how it relates to classical yoga of Pantanjali. Students will be guided in deepening their mindfulness meditation practice that includes analysis of the Four Establishments of Mindfulness and will develop an advanced asana sequence as part of their practice.

Prerequisites: PEDU 136.

PEDU 161 - Intermediate Fencing (1 Credit)

Basic footwork and bladework for foil and épée along with more complex skills, concepts, terminology, strategy, and understanding of the rules.

PEDU 168 - Zumba Fitness (1 Credit)

Principles of fitness interval training and resistance training applied to maximize caloric output, fat burning and total body toning with a fusion of Latin and International music-dance themes.

PEDU 169 - Geocaching (1 Credit)

History, rules, terminology, and strategy of geocaching. Strategies for seeking as well as creating geocaches.

PEDU 170 - Beginning Latin Dance (1 Credit)

Introductory course to multiple styles of social Latin dancing including Salsa, Merengue and Bachatta. Designed to develop the skills and techniques necessary for social level Latin dancing. Emphasis will be placed on basic social elements of dance, patterns, music, and leading and following.

PEDU 171 - Swing Dance (1 Credit)

Introduction to swing dances originating from the first half of the 20th century such as the Charleston, East Coast Swing, Lindy Hop, Jitterbug, Jive, and The Big Apple.

PEDU 172 - Rock Climbing and Bouldering (1 Credit)

Safe climbing and bouldering techniques. Movement on rock, rope systems, anchors, rappelling, belaying, risk management, spotting and lead climbing philosophy. Save use of equipment required for sport climbing and bouldering.

PEDU 173 - Folk and Square Dance (1 Credit)

Fundamental skills and terminology.

PEDU 174 - Social Dance (1 Credit)

Fundamental skills and terminology.

PEDU 175 - Intermediate Social Dance (1 Credit)

Development of skills to an intermediate level in six dances: fox trot, waltz, tango, swing, cha cha, rumba.

Prerequisites: PEDU 174.

PEDU 176 - Clogging (1 Credit)

History, folklore, and skills; individual steps and team routines.

PEDU 177 - Beginning Shag (1 Credit)

Techniques and history of the Shag, South Carolina's state dance. Chronicled development, style variations, and cultural contributions are emphasized.

PEDU 178 - Intermediate Shag Dance (1 Credit)

Introduction to more challenging shag moves for couples, based on steps, turns, spins, and passes. Emphasis on good shag form and rhythm, male lead, female follow, and tight couple positions going through step variations. Steps include Sugarfoot, Boogie Walk, Stagger, Walkup and others.

Prerequisites: PEDU 177.

PEDU 179 - Beginning Belly Dance (1 Credit)

Techniques, history, terminology, and dance combinations/choreography associated with Belly Dance at the fundamental level.

PEDU 180 - Archery (1 Credit)

Fundamentals of target and field archery shooting, history, scoring, and rules.

PEDU 181 - Equestrian (1 Credit)

English hunter-style riding for intermediate students.

PEDU 182 - Backpacking (1 Credit)

Living in the out-of-doors; gear selection, map and compass reading, backpacking, hiking, and camping.

PEDU 183 - Canoeing (1 Credit)

Fundamentals of lake, river, and whitewater canoeing.

PEDU 184 - Snow Skiing (1 Credit)

Fundamental skills and techniques.

PEDU 185 - Beginning Kayaking (1 Credit)

Fundamentals of whitewater kayaking including equipment selection and use, safety techniques, strokes, Eskimo roll, river strategies, rescue procedures, and trip planning.

PEDU 186 - Bicycle Touring (1 Credit)

Fundamental skills and techniques.

PEDU 187 - Rock Climbing (1 Credit)

Fundamentals of rock and mountain climbing including gear selection and use, knots and rope management, anchoring systems, belaying, rappelling, climbing techniques, and safety considerations.

PEDU 188 - Triathlon Training (1 Credit)

Intensive conditioning and cross training to achieve a high level cardiovascular fitness. Biking, running, and swimming in preparation for triathlon event.

PEDU 189 - Spinning (1 Credit)

Spinning to obtain physiological and psychological benefits.

PEDU 190 - Introduction to the Description and Analysis of Human Movement (2 Credits)

Analysis and performance of fundamental motor skills.

PEDU 194 - Educational Gymnastics (1 Credit)

Development of knowledge and skill in educational gymnastics. Designed to establish a content base for elementary and middle school physical education programs.

PEDU 195 - Educational Games (1 Credit)

Development of knowledge and skill in game activities appropriate for the elementary and middle school physical education game setting.

PEDU 196 - Educational Dance (1 Credit)

Development of personal skills in the use of movement for expressive purposes. Designed to establish a content base for elementary school physical education programs.

PEDU 197 - Fit Carolina (1 Credit)

Basic concepts associated with physical activity and the opportunities in community environments to engage in health-promoting and wellness activities.

PEDU 226 - Physical Education for Primary Grades (3 Credits)

Selection and development of appropriate content for elementary school physical education experiences.

Prerequisites: PEDU 190.

PEDU 232 - Philosophy and Principles of Physical Education (3 Credits)

Historical background, current problems, and publications.

PEDU 266L - Athletic Training Lab (1 Credit)

Techniques and skills used in the prevention or protection of injury.

PEDU 275 - Functional Musculoskeletal Anatomy (3 Credits)

Knowledge and skill of orthopedic anatomy relative to muscle, ligament, and tendon origin, insertion, innervation, and action.

PEDU 300 - First Aid and CPR (3 Credits)

Knowledge and skills necessary to meet the guidelines for professional certification. Skills include AED, adult, child, and infant CPR, breathing emergencies, and first aid.

PEDU 301 - Practicum in Physical Education Field Experiences (1-3 Credits)

Supervised field experiences for physical educators. Contract approved by instructor, advisor, and department head is required for undergraduate students.

PEDU 302 - Foundations of Coaching (3 Credits)

The philosophical bases, leadership theory, administrative practice, and organizational problems of competitive athletics.

PEDU 303 - Scientific Bases of Coaching I (3 Credits)

Anatomical, kinesiological, and biomechanical principles affecting performance in competitive athletics; use of biomechanical analysis techniques. Primarily for non-physical education majors who wish to coach.

PEDU 304 - Scientific Bases of Coaching II (3 Credits)

Physiological, psychological, ethical, and sport medicine principles affecting performance in competitive athletics; application of scientific principles. Primarily for non-physical education majors who desire to coach.

Prerequisites: PEDU 303.

PEDU 310 - Emergency Medical Responder (3 Credits)

Knowledge and skills necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. Appropriate decision making about the care to provide in a medical emergency; skills an EMR needs to act as a crucial link in the emergency medical services (EMS) system.

PEDU 312 - Coaching Gymnastics, Volleyball, and Softball (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 313 - Coaching Basketball, Track and Field, and Soccer (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 314 - Coaching Football, Baseball, and Wrestling (3 Credits)

Prerequisite: PEDU 302 and PEDU 303.

PEDU 320 - Practicum in Coaching (3 Credits)

Supervised practical experience in interscholastic coaching settings; concurrent seminar.

PEDU 340 - Practicum in the Instructional Aspects of Physical Education (1 Credit)

Application of instructional principles to small peer group settings using open and closed gross motor skills.

Corequisite: PEDU 360.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

PEDU 341 - Practicum in Instruction of Young Learners in Movement Settings (1 Credit)

Application of curriculum and instructional principles to small group instruction with young learners.

Prerequisites: PEDU 340 and PEDU 360, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 361.

PEDU 353 - Recreational Sports Programming (3 Credits)

Current program elements and techniques in recreational sports.

PEDU 360 - Instructional Aspects of Physical Education (3 Credits)

Instruction in physical education settings, including environmental arrangements, task presentation, content development, and feedback.

Prerequisites: PEDU 190, cumulative GPA of 2.50.

Corequisite: PEDU 340.

PEDU 361 - Instruction of Young Learners in Movement Settings (3 Credits)

Development of knowledge and skills to teach physical education to young learners.

Prerequisites: PEDU 340 and PEDU 360, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 341.

PEDU 398 - Seminar in Physical Education (1 Credit)

Various topics related to current events in physical education.

PEDU 399 - Independent Study (1-3 Credits)

Open to sophomores and above. Enrollment and topic to be approved in advance by advisor and instructor. Contract approved by instructor, advisor, and department head is required.

Graduation with Leadership Distinction: GLD: Research

PEDU 420 - Motor Learning in Physical Education (3 Credits)

Application of cognitive, sensory, and motor processes related to learning motor skills in physical education and sport settings.

PEDU 440 - Practicum in Secondary School Physical Education (1 Credit)

The application of curriculum and instructional principles to large group instruction in the secondary school.

Prerequisites: PEDU 341.

Corequisite: PEDU 462.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

PEDU 445 - Measurement & Evaluation in Physical Education (3 Credits)

The historic background of measurement in physical education; statistical techniques to be used in scoring and interpreting tests; evaluation of measures now available in the field; and the administration of a testing program. Available for undergraduate credit only.

Prerequisites: 15 credits in professional physical education, including PEDU 232 and 6 semester hours of professional skill courses.

PEDU 446 - Physical Education Curriculum (3 Credits)

The study of K-12 physical education school curriculum theory, issues, and design.

Prerequisites: Cumulative GPA of 2.75, Admission to Directed Teaching Semester.

PEDU 451 - Teaching Physical Education (3 Credits)

Analysis of teaching and learning in physical education.

Prerequisite or Corequisite: PEDU 462, PEDU 440.

PEDU 462 - Instruction in Secondary School Physical Education (3 Credits)

Physical education content and processes for the secondary school.

Prerequisites: PEDU 341 and PEDU 361, cumulative GPA of 2.75, have met the state basic skills testing requirement for educator preparation program admission.

Corequisite: PEDU 440 .

PEDU 479 - Directed Teaching in Physical Education (12 Credits)

Prerequisite: Cumulative GPA of 2.75, Admission to Directed Teaching Semester.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

PEDU 498 - Advanced Seminar in Physical Education (1 Credit)

Advanced learning opportunities in professional physical education.

Prerequisites: 90 hrs. and permission of instructor.

Graduation with Leadership Distinction: GLD: Research

PEDU 510 - Teaching Health Related Physical Fitness (3 Credits)

Knowledge and application of processes and principles of health related physical fitness in physical education and sport settings.

Prerequisites: EXSC 223/EXSC 224 or BIOL 243/BIOL 244.

PEDU 515 - Physical Education for Inclusion (3 Credits)

Designing physical education programs for special populations and for students with special needs.

Prerequisites: PEDU 340, PEDU 360.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PEDU 520 - Observational Analysis of Sports Techniques and Tactics (3 Credits)

Qualitative and quantitative techniques to observe, describe, analyze, and evaluate human movement in physical education and sports settings.

Prerequisites: PEDU 190, EXSC 223, EXSC 224 or BIOL 243, BIOL 244; PHYS 101.

PEDU 553 - The Organization and Administration of Physical Education (3 Credits)

Organization of instructional, intramural, interscholastic, and recreational programs, with emphasis on criteria for the evaluation and selection of activities.

Prerequisites: 18 credits in physical education, including six semester hours of professional skill courses.

PEDU 555 - Current Topics in Physical Education (1-3 Credits)**PEDU 570 - Human Child/Adolescent Growth (3 Credits)**

Human physical growth and development of children with emphasis on years 4 to 18.

Prerequisites: EXSC 223, EXSC 224, or equivalent.

PEDU 575 - Physical Education for the Classroom Teacher (3 Credits)

Appropriate movement experiences for children. Not available for physical education majors.

Prerequisites: EDTE 201 .

PEDU 577 - Dance Performance (3 Credits)

Rehearsal, choreographic analysis, and dance performance. All components of dance production—including music, costume, lighting, and scenery—will be considered.

Cross-listed course: DANC 577

PEDU 635 - South Carolina Physical Education Curriculum (3 Credits)

Development of physical education programs using the South Carolina Physical Education Curriculum Materials.

PEDU 637 - Advanced Theory and Techniques of Coaching Football (3 Credits)

An intensive investigation of current theories of offensive and defensive football. Generalship, strategy, conditioning, staff utilization, film analysis, and practice organization are covered in depth.

Prerequisites: current responsibilities or previous experience in college or high school coaching.

PEDU 638 - Advanced Theory and Techniques of Coaching Basketball (3 Credits)

An intensive investigation of the latest techniques and theories of coaching basketball. Systems of offense and defense, generalship, conditioning, staff utilization, film analysis, and practice organization are covered in depth.

Prerequisites: current responsibilities or previous experience in college or high school coaching.

PEDU 639 - Advanced Theory and Techniques of Coaching Track and Field Events (3 Credits)

A thorough study of the latest techniques of coaching track and field events. Isometric, isotonic, and interval conditioning theories involving the cardiovascular and muscular systems are examined to acquaint the student with varying physiological approaches to conditioning.

Prerequisites: current responsibilities or previous experience in college or high-school coaching.

PEDU 640 - Advanced Theory and Techniques of Teaching and Officiating Girls' Gymnastics (3 Credits)

A thorough study of the latest techniques of teaching and officiating girls' gymnastics. Balance beam, vaulting, uneven bars, tumbling, dance skills and routines, and officiating methods.

PEDU 650 - The Art and Science of Coaching (3 Credits)

Coaching principles and application to sport programs across a variety of developmental levels.

PEDU 660 - Counseling Student Athletes (3 Credits)

Issues facing student athletes regarding their personal and career development beyond athletics.

Cross-listed course: EDCE 650

Physics (PHYS)

PHYS 101 - The Physics of How Things Work I (3 Credits)

A practical introduction to physics and science in everyday life—from concrete examples to basic physical principles.

Carolina Core: SCI

PHYS 101L - The Physics of How Things Work I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 101.

Prerequisite or Corequisite: PHYS 101.

Carolina Core: SCI

PHYS 102 - The Physics of How Things Work II (3 Credits)

A continuation of PHYS 101 with emphasis on electricity, magnetism, optics, and atomic physics.

Prerequisites: C or better in PHYS 101.

PHYS 102L - The Physics of How Things Work II Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 102.

Prerequisite or Corequisite: PHYS 102.

PHYS 151 - Physics in the Arts (3 Credits)

The physics of sound, color, illumination; musical instruments and photographic processes. Credit may not be received for both PHYS 151 and PHYS 153 or both PHYS 151 and PHYS 155.

PHYS 151L - Physics in the Arts Laboratory (1 Credit)

Laboratory work on wave motion, including acoustic, optical, photographic, and electronic measurements. Credit may not be received for both PHYS 151L and PHYS 153L or both PHYS 151L and PHYS 155L.

Prerequisite or Corequisite: PHYS 151.

PHYS 153 - Physics in the Visual Arts (3 Credits)

Principals of optics: video, and photography, eye and vision, color, polarization, lasers, and holography. Credit may not be received for both PHYS 153 and PHYS 151.

PHYS 153L - Physics in the Visual Arts Laboratory (1 Credit)

Laboratory work in geometrical and wave optics. Credit may not be received for both PHYS 153L and PHYS 151L.

Prerequisite or Corequisite: PHYS 153.

PHYS 155 - Musical Acoustics (3 Credits)

The principles of musical and architectural acoustics, waves and vibrations, digital techniques for generating and recording sound, perception and measure of sound (psychoacoustics). Credit may not be received for both PHYS 155 and PHYS 151.

PHYS 155L - Acoustics Laboratory (1 Credit)

Laboratory work in musical and architectural acoustics. Credit may not be received for both PHYS 155L and PHYS 151L.

Prerequisite or Corequisite: PHYS 155.

PHYS 199 - Measurement and Analysis in Physics (2 Credits)

Measurements in classical and modern physics are performed, and the analyzed results are compared with basic principles. Four hours of mixed lecture and laboratory per week.

Prerequisites: C or better in MATH 115 or equivalent or higher.

PHYS 201 - General Physics I (3 Credits)

First part of an introductory course sequence. Topics include mechanics, and selections from wave motion, sound, fluids, and heat. No previous background in physics is assumed.

Prerequisites: C or better in MATH 111, MATH 111I, MATH 112, MATH 115, MATH 116, MATH 122, MATH 141, or by placement score into MATH 122, MATH 141, or higher.

Carolina Core: SCI

PHYS 201L - General Physics Laboratory I (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 201.

Prerequisite or Corequisite: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202 - General Physics II (3 Credits)

Continuation of PHYS 201; includes electromagnetism, and selected topics from optics, relativity, quantum physics, atomic and nuclear physics.

Prerequisites: C or better in PHYS 201.

Carolina Core: SCI

PHYS 202L - General Physics Laboratory II (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 202.

Prerequisite or Corequisite: C or better in PHYS 202.

Carolina Core: SCI

PHYS 211 - Essentials of Physics I (3 Credits)

Classical mechanics and wave motion. Calculus-level course for students of science and engineering.

Prerequisites: C or better in MATH 141.

Corequisite: PHYS 211L.

Carolina Core: SCI

PHYS 211L - Essentials of Physics I Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 211.

Prerequisite or Corequisite: C or better in PHYS 211.

Carolina Core: SCI

PHYS 212 - Essentials of Physics II (3 Credits)

Classical electromagnetism and optics.

Prerequisites: C or better in PHYS 211 and MATH 142.

Corequisite: PHYS 212L.

Carolina Core: SCI

PHYS 212L - Essentials of Physics II Lab (1 Credit)

Experiments, exercises, and demonstrations to accompany PHYS 212.

Prerequisite or Corequisite: C or better in PHYS 212.

Carolina Core: SCI

PHYS 291 - Einstein's Relativity: Understanding by Example (3 Credits)

Special theory of relativity. Algebra-based course for students of all majors.

Prerequisites: B or better in MATH 115 or equivalent.

PHYS 306 - Principles of Physics III (3 Credits)

Wave motion, optics, and thermodynamics. Calculus-level treatment; a continuation of PHYS 212.

Prerequisites: C or better in PHYS 212 and MATH 142.

Corequisite: MATH 241.

PHYS 307 - Introduction to Modern Physics (3 Credits)

Experimental foundations and general concepts of quantum theory and special relativity; with selected applications from atomic, condensed matter, and nuclear physics.

Prerequisites: C or better in PHYS 212 and MATH 241.

PHYS 310 - Intermediate Experimental Physics (4 Credits)

Descriptive statistics, scientific ethics, and design, construction, and reporting the results of experiments.

Prerequisites: C or better in PHYS 212 and STAT 509 or STAT 515.

PHYS 311 - Introduction to Applied Numerical Methods (3 Credits)

Introduction and application of linear algebra and numerical methods to the solution of physical and engineering problems. Techniques include iterative solution techniques, methods of solving systems of equations, and numerical integration and differentiation.

Prerequisites: MATH 141.

Corequisite: MATH 142.

Cross-listed course: EMCH 201, ENCP 201

PHYS 340 - Introduction to Relativistic Astrophysics (3 Credits)

Final states of stellar evolution; white dwarfs, neutron stars, black holes. Cosmology.

Prerequisites: C or better in ASTR 211 and MATH 115 and PHYS 202 or PHYS 212.

Cross-listed course: ASTR 340

PHYS 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PHYS 498 - Senior Thesis (3 Credits)

An individual investigation in the library or laboratory or both under supervision of the major professor. The preparation of a scientific report is an integral part of the work.

Graduation with Leadership Distinction: GLD: Research

PHYS 499 - Undergraduate Research (3 Credits)

Introduction to and application of the methods of research. A written report on work accomplished is required at the end of each semester.

Prerequisites: C or better in PHYS 310.

Graduation with Leadership Distinction: GLD: Research

PHYS 501 - Quantum Physics I (3 Credits)

A self-contained treatment of quantum theory and its applications, beginning with the Schrodinger equation.

Prerequisites: C or better in PHYS 307 and MATH 242 or MATH 520.

PHYS 502 - Quantum Physics II (3 Credits)

Advanced topics in quantum physics, plus topics in special relativity, high-energy physics, and cosmology.

Prerequisites: C or better in PHYS 501.

PHYS 503 - Mechanics (4 Credits)

Classical mechanics of particles, systems, and rigid bodies; discussion and application of Lagrange's equations, introduction to Hamiltonian formulation of mechanics.

Prerequisites: C or better in PHYS 306 or PHYS 307 and MATH 242 or MATH 520.

PHYS 504 - Electromagnetic Theory (4 Credits)

Field theory of electric and magnetic phenomena; Maxwell's equations applied to problems in electromagnetism and radiation.

Prerequisites: C or better in PHYS 503.

PHYS 506 - Thermal Physics and Statistical Mechanics (3 Credits)

Principles of equilibrium thermodynamics, kinetic theory, and introductory statistical mechanics.

Prerequisites: C or better in PHYS 306, PHYS 307, MATH 241 and MATH 242 or MATH 520.

PHYS 511 - Nuclear Physics (4 Credits)

An elementary treatment of nuclear structure, radioactivity, and nuclear reactions. Three lecture and three laboratory hours per week.

Prerequisites: C or better in PHYS 501.

PHYS 515 - Mathematical Physics I (3 Credits)

Analytical function theory including complex analysis, theory of residues, and saddlepoint method; Hilbert space, Fourier series; elements of distribution theory; vector and tensor analysis with tensor notation.

Prerequisites: C or better in MATH 242 or MATH 520.

PHYS 516 - Mathematical Physics II (3 Credits)

Group theory, linear second-order differential equations and the properties of the transcendental functions; orthogonal expansions; integral equations; Fourier transformations.

Prerequisites: C or better in PHYS 515.

PHYS 517 - Computational Physics (3 Credits)

Application of numerical methods to a wide variety of problems in modern physics including classical mechanics and chaos theory, Monte Carlo simulation of random processes, quantum mechanics and electrodynamics.

Prerequisites: C or better in PHYS 212 and MATH 142.

PHYS 541 - Advanced Experimental Physics I (4 Credits)

Continuation of PHYS 310. Optical apparatus (telescope, microscope, interferometer) and advanced project planning including equipment design and budgeting.

Prerequisites: C or better in PHYS 310.

PHYS 542 - Advanced Experimental Physics II (4 Credits)

Continuation of PHYS 541. Study of topics from advanced optics, astronomy, biophysics, digital electronics, nuclear/particle physics, or solid state physics, plus conduction of a physics experiment, including a written paper and an oral presentation.

Prerequisites: C or better in PHYS 541.

PHYS 546 - Introduction to Astrophysics (3 Credits)

An astrophysics course for physics students. Covers the basics of observational techniques, structure and evolution of stars, interstellar medium and star formation, structure and properties of the Milky Way and nearby galaxies, and generation and transfer of radiation in astrophysical environments.

Prerequisites: C or better in PHYS 307.

PHYS 599 - Topics in Physics (1-3 Credits)

Readings and research on selected topics in physics. Course content varies and will be announced in the schedule of classes by title.

Political Science (POLI)

POLI 101 - Introduction to Global Politics (3 Credits)

Introduction to theories about global politics. Issues and controversies central to global politics.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103A - Controversies in the Politics of Global Regions: Africa (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103B - Controversies in the Politics of Global Regions: Asia (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103C - Controversies in the Politics of Global Regions: Europe (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103D - Controversies in the Politics of Global Regions: Latin America (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 103E - Controversies in the Politics of Global Regions: Middle East (3 Credits)

Social, cultural, and historical forces underlying contemporary political controversies in Africa POLI 103A, Asia POLI 103B, Europe POLI 103C, Latin America POLI 103D, and the Middle East POLI 103E; region will be identified by title.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 105 - Introduction to Politics (3 Credits)

Concepts and problems involved in human relationship with governments, the nation-state, and political change.

POLI 107 - Controversies in Political Theory (3 Credits)

An introduction to the analysis of disputes about the nature of politics and of political ideas such as freedom, equality, and justice.

POLI 109 - Controversies in Public Policy (3 Credits)

An introduction to the analysis of contentious public policy questions in contemporary American society, such as welfare, gun control, health care financing, immigration, affirmative action, and/or abortion.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

POLI 111 - Controversies in American Politics (3 Credits)

An introduction to the analysis of key issues in contemporary American politics focusing on the arguments, the groups involved, and the political factors that influence the outcome of the debate.

POLI 121 - Green Explorations (3 Credits)

Interdisciplinary seminar combining the intellectual exploration of ecological perspectives with the physical exploration of the local environment. First-year students only.

Cross-listed course: ENVR 121

POLI 122 - Green Engagements (3 Credits)

Interdisciplinary seminar on designing, researching, and implementing collaborative projects to promote ecological sustainability. First-year students only.

Cross-listed course: ENVR 122

Graduation with Leadership Distinction: GLD: Community Service, GLD: Research

POLI 201 - American National Government (3 Credits)

The formation and development of the national government, its organization and powers. Overlay Course.

Carolina Core: GSS, VSR

Founding Documents: FND Founding Documents

POLI 202 - Policies and Functions of American Government (3 Credits)

The policies and functions of the American national government directed to the public issues and problems of contemporary America.

Prerequisites: POLI 201.

POLI 215 - Introduction to Leadership Studies (3 Credits)

Conceptions and models, values and pitfalls, strategies and skills of leadership and of leaders in diverse contexts

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 240 - Language Conflict and Language Rights (3 Credits)

Examination of linguistic conflict and rights, as well as centrality of language rights to human rights and personal/cultural identity. Basic facts without language related to identify, culture, attitudes, dialects, bilingualism. Case studies (local, national, international) with particular attention to nationalism, language revitalization, language planning.

Cross-listed course: LING 240

Carolina Core: VSR

POLI 300 - Social and Political Philosophy (3 Credits)

An overview of major themes in political philosophy such as the nature of politics, obligation, community, representation, freedom, equality, and justice.

Cross-listed course: PHIL 330

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 301 - The Political Science Discipline (3 Credits)

The history and development of approaches, methods, and fields of study in political science.

Graduation with Leadership Distinction: GLD: Research

POLI 302 - Classical and Medieval Political Theory (3 Credits)

Political theories from the Greeks to the Renaissance.

Carolina Core: VSR

POLI 303 - Modern Political Theory (3 Credits)

Political theories from the Renaissance to the 19th century.

Carolina Core: VSR

POLI 304 - Contemporary Political Theory (3 Credits)

Nineteenth and 20th century political theories.

Carolina Core: VSR

Founding Documents: FND Founding Documents

POLI 305 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Cross-listed course: SOCY 304, WGST 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 307 - Feminist Theory (3 Credits)

Historical development of feminist theory and contemporary debates within feminism.

Cross-listed course: WGST 307

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 315 - International Relations (3 Credits)

International political behavior and institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 316 - Comparative Politics (3 Credits)

Comparative approaches to political systems, behavior, and institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 330 - International Organization (3 Credits)

An introduction to the structure and functions of international political and economic organizations. Particular attention to the United Nations and its specialized agencies, and to emerging regional communities.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 340 - The Conduct and Formulation of United States Foreign Policy (3 Credits)

An analysis of how contemporary United States foreign policy is made and conducted.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 341 - Contemporary United States Foreign Policy (3 Credits)

A critical analysis of selected problems of United States foreign policy.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 342 - National Security Policies of the United States (3 Credits)

Formulation and implementation of contemporary United States defense and security policies.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 350 - Public Opinion and Politics (3 Credits)

A broad survey of the role and development of public attitudes toward political problems in a democracy. Emphasis on the origins, manifestations, and consequences of public opinion in American politics.

POLI 352 - Gender and Politics (3 Credits)

Impact of gender on the distribution of power in society; foundations for intersections of gender, race, social class, and sexuality and their economic, social, and political concomitants.

Cross-listed course: WGST 352

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 353 - Introduction to U.S. Racial and Ethnic Politics (3 Credits)

Survey of theories of the impact of race, ethnicity, and racism on American politics, and analysis of major policies and racial group experience regarding American citizenship.

Cross-listed course: AFAM 353

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 357 - Film, Politics, and Social Change (3 Credits)

Critical analysis of film as expression and agent of political cultural, ideology, and change.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

POLI 360 - American Political Parties (3 Credits)

A broad survey of the role of political parties in the American political system. Following an examination of the historical evolution of party systems in the United States, primary attention is given to three aspects of contemporary political parties: the party as an organization, the party as an electorate, and the party as a governing elite.

POLI 361 - Elections and Voting Behavior (3 Credits)

An analysis of elections and the voting process. Topics include candidate selection, campaigning, and the conduct of elections as well as public opinion, voting behavior, and the role of elections in the democratic political system.

POLI 362 - Politics and the Mass Media (3 Credits)

Survey of the role in American politics of mass communications media, including the press and electronic news reporting; influence of mass media on the conduct of political campaigns, political leadership style, and public opinion.

POLI 363 - Southern Politics (3 Credits)

Selected political patterns and trends within the 11 states of the American South. Historical developments with the central focus on Southern politics since 1950.

POLI 364 - African-American Politics (3 Credits)

African-American politics from the colonial period to the present. Emphasis on voting rights and strategies to advance black representation.

Cross-listed course: AFAM 364

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 365 - State Government (3 Credits)

A study of state-federal relations, relations among states, state constitutions, and the structure and functions of the three branches of government. Emphasis is given to South Carolina.

POLI 368 - Interest Groups and Social Movements (3 Credits)

The mobilization, organization, tactics, and results of group-based politics, including latent interests and the suppression of interests.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 370 - Introduction to Public Administration (3 Credits)

A study of the basic principles and theory of administrative structure, responsibility, and control in relation to policy making in the modern state.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 371 - Politics of Taxing and Spending (3 Credits)

Principles and practices of financial administration, including organization, budgeting, assessment, treasury management, and debt.

POLI 373 - Regulatory Policies (3 Credits)

Types and limits of powers exercised by regulatory agencies; procedural law and remedies against administrative action.

POLI 374 - Public Policy (3 Credits)

Process of and major approaches to making public policy particularly, in the United States. Case study materials will focus on such major policies as welfare, health care, national security, and resource management.

POLI 379 - Public Affairs Internship (2-6 Credits)

Contract approved by Instructor, Advisor, and Department Chair is required for undergraduates.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

POLI 380 - Comparative Politics of Developing Countries (3 Credits)

A comparative analysis of the political problems confronting new nations, the political consequences of the breakdown of traditional society and the problems of developing new institutional forms and procedures.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 381 - Comparative Politics of Industrialized Countries (3 Credits)

Introduction to the development, structure, and functioning of government and politics in Western Europe, the former Soviet states, and other selected industrialized countries.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 383 - Genocide: A Comparative Perspective (3 Credits)

An analysis of the causes of genocide and the application of those insights to explain how genocide has occurred repeatedly at various times and places across the globe.

POLI 391 - Topics in Political Science (3 Credits)

May be repeated once as topics change.

Graduation with Leadership Distinction: GLD: Community Service

POLI 393 - Race and Science Fiction (3 Credits)

Draws on science fiction to understand the contemporary history of American racial and ethnic politics and to speculate about the significance of race in America's political future.

Cross-listed course: AFAM 393

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 399 - Independent Study/Poli Sci (3 Credits)

Note: Prior approval of an individualized contract by the director of undergraduate studies in political science and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 399A - Independent Study in Political Science (1-6 Credits)

Prior approval of and individualized contract by the director of undergraduate studies in political science and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 399B - Independent Study in International Studies (1-6 Credits)

Prior approval of an individualized contract by the director of undergraduate studies in international studies and the instructor who will supervise the project required.

Graduation with Leadership Distinction: GLD: Research

POLI 400 - Selected Topics in Political Theory (3 Credits)

Intensive analysis of a particular topic or topics. To be identified by title each semester.

POLI 401 - Selected Thinkers in Political Theory (3 Credits)

Intensive analysis of particular theorist or theorists. To be identified by title each semester.

POLI 402 - African American Political Thought (3 Credits)

Survey of many of the major schools of historic and contemporary African American political thought.

Cross-listed course: AFAM 402

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 404 - Democratic Theory (3 Credits)

An introduction to contemporary theories and practices with focus on Western, especially American, experience.

POLI 406 - The State of American Politics (3 Credits)

Major factors that affect the state of contemporary American politics, including the Constitution, the Congress, the courts, the presidency, the states, federalism, political parties, special-interest groups, and the electoral process.

POLI 416 - Revolution and Political Violence (3 Credits)

Forms, causes, and consequences of domestic political violence with special attention to revolution.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 417 - Theories of War in International Relations (3 Credits)

The contributions of the social sciences and social theorists to an understanding of the causes of war.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 420 - International Law (3 Credits)

The origin, development, and principles of the international law of peace and the enforcement of these principles, the law of war and pacific settlement of disputes.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 421 - Law and Contemporary International Problems (3 Credits)

The growth of law in several areas of increasing international concern: environmental protection, expropriation, outer space, individual rights and obligations, conservation of resources, state responsibility, and terrorism.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 430 - Ideology and World Politics (3 Credits)

An introduction to the ideological context of world affairs, with attention to traditional democratic, totalitarian, and Third World "developmental ideologies".

Graduation with Leadership Distinction: GLD: Global Learning

POLI 431 - Science, Technology, and Public Policy (3 Credits)

Interaction between science and politics, the making of the national science and technology policy, and the role of public policy in promoting and managing scientific change.

POLI 432 - Nationalism and Ethnicity in World Politics (3 Credits)

Nationalism and ethnicity as factors in world politics, including the sources, nature, and analysis of conflicts associated with them.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

POLI 433 - Economic Aspects of International Politics (3 Credits)

Economic problems and policies in international politics including theory of comparative advantage; international economic aid, trade and monetary issues; the United States' role in the international economy; and the functions of international economic institutions.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 437 - International Relations of Latin America (3 Credits)

Contemporary international relations among Latin American states, including economic and political security and relations with the United States.

Cross-listed course: LASP 451

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

POLI 440 - Russian Foreign Policy (3 Credits)

Analysis of the development of foreign policies in Russia and other states of the former USSR with special attention to relations with Europe and the United States.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 442 - Globalization and Security (3 Credits)

Exploration of the ways in which globalization may impact national and international security.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 443 - International Relations of East Asia and the Pacific (3 Credits)

Political patterns and forces in the Asia/Pacific region in recent times including the process of decolonization, regional conflicts, great power relations, and economic interdependencies.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 444 - International Relations in Japan (3 Credits)

The institutions, actors, and processes of Japan's contemporary political and economic foreign affairs.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 445 - Political Economy of Africa's Regions (3 Credits)

The historic and contemporary political and economic processes and structures of one or more regions in Africa, such as North Africa, West Africa, East Africa, Central Africa, or Southern Africa.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 446 - International Relations of Africa (3 Credits)

Contemporary international relations among African nations including decolonization, pan-Africanism, and movements of national liberation; Africa's role in the United Nations, relations between African states and the former colonial powers, the United States, and communist countries.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 447 - Foreign Policies of Selected Powers (3 Credits)

Foreign policy-making institutions, processes, and policies of selected powers with special attention to the domestic determinants of foreign policy.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 448 - Politics and Government of China (3 Credits)

Political institutions and processes of the People's Republic of China with secondary emphasis on the government and politics of the Republic of China on Taiwan.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 449 - International Relations of the Middle East (3 Credits)

Examination of super- and great-power policies toward the Middle East; inter-regional relations and Middle East foreign relations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 450 - Constitutional Law I: Institutional Powers (3 Credits)

Nature and functions of the national government and its relations with the states.

Founding Documents: FND Founding Documents

POLI 451 - Constitutional Law II: Civil Liberties (3 Credits)

Due process and civil liberties.

Founding Documents: FND Founding Documents

POLI 452 - The Judicial Process (3 Credits)

A study of the growth of law, the law-making function of the courts, the structure and organization of federal and state courts, the procedures involved in civil and criminal cases, and the problems and proposals for reform in the administration of justice.

Founding Documents: FND Founding Documents

POLI 453 - Moot Court and Legal Research (3 Credits)

Introduction to fundamental legal research techniques and strategies applied to controversial court cases in both oral and written forms.

POLI 454 - Women and the Law (3 Credits)

Constitutional and statutory case law dealing with gender equality issues. Topics include abortion, affirmative action, pornography, sexual harassment, fetal protection policies, employment discrimination, and women in the military.

Cross-listed course: WGST 454

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 461 - Congress and the Presidency (3 Credits)

Analysis of the interaction between the legislative and executive branches within a separation-of-power system.

POLI 462 - The Legislative Process (3 Credits)

A study of the structure, organization, powers, functions, and problems of legislative bodies.

POLI 463 - The American Chief Executive (3 Credits)

Constitutional, statutory and political powers and roles of the American chief executive.

POLI 464 - Roosevelt Institution Seminar (3 Credits)

Analysis and discussion of contemporary public policy problems through exposure to campus experts and intensive writing and peer review.

POLI 465 - Psychology and Politics (3 Credits)

The role of psychology in political attitudes and behavior. Examination of individual psycho-political relationships and aggregate typologies. Particular emphasis on the psychological roots of the need for or the rejection of political authority.

Prerequisites: PSYC 101.

POLI 470 - Federalism and Intergovernmental Relations (3 Credits)

The origins and evolution of the American federal system, focusing on the constitutional, regulatory, and financial entanglements among federal, state and local governments.

POLI 475 - Survey Research (3 Credits)

Principles and practice of survey research/public opinion polling including sampling, questionnaire design, data collection, coding processing and analysis.

Graduation with Leadership Distinction: GLD: Research

POLI 476 - Black Activism (3 Credits)

Critical review of theories of community organizing, grassroots activism, and social movements, and examination of contemporary forms of black activism.

Cross-listed course: AFAM 476

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

POLI 477 - Green Politics (3 Credits)

An analysis of green political thought and environmental movements at the local, state, national, and global levels.

Graduation with Leadership Distinction: GLD: Community Service

POLI 478 - Environmental Policy (3 Credits)

Themes in environmental policy in industrialized nations. Analysis of issue framing, the role of the public and private tools, and conflicting perspectives. Incorporates analysis of policy process and public management.

POLI 480 - Politics and Government of Russia (3 Credits)

Political processes and institutions of Russia and other independent states of the former USSR.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 481 - Politics and Governments of Europe (3 Credits)

Political processes and institutions of European nations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 483 - Middle East Politics (3 Credits)

Focuses on the internal politics of Middle East states; historical and cultural setting of Middle East politics, social institutions, and dynamics of the political process.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 487 - Politics and Governments of Africa (3 Credits)

Political developments, processes, and institutions of the African nations.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 488 - Politics and Governments of Latin America (3 Credits)

The development, principles, political thought, and politics of the several Latin American states.

Cross-listed course: LASP 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

POLI 489 - Politics and Government of Japan (3 Credits)

Political institutions and processes of Japan.

Graduation with Leadership Distinction: GLD: Global Learning

POLI 498 - Research Experience (3 Credits)

Working with a faculty mentor, students develop a research project and related search skills.

Prerequisites: minimum GPA of 3.60 in major courses, 3.30 overall.

Graduation with Leadership Distinction: GLD: Research

POLI 499 - Senior Thesis (3 Credits)

For intensive majors. Individual instruction in research techniques and supervised thesis preparation.

Graduation with Leadership Distinction: GLD: Research

POLI 500 - Selected Topics in Civilization and Culture (3 Credits)**POLI 502 - Methods of Political Analysis (3 Credits)**

Quantitative techniques in political science; levels of measurement; problems of description, causation, and inference.

POLI 503 - American Political Thought (3 Credits)

Themes and thinkers in American political history.

POLI 504 - Politics and Ethics (3 Credits)

The nature of, and relationship between, politics and ethics.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

POLI 505 - Utopian Political Thought (3 Credits)

A critical examination of utopian and dystopian political ideas.

POLI 542 - Research in Language Conflict and Language Rights (3 Credits)

Research into the parameters governing linguistic conflicts and language rights issues, involving a close examination of the nexes of language and individual and ethnic identity, culture, dialects, bilingualism. Examination of regional, national, and international case studies, with particular attention to nationalism, language revitalization, and language planning.

Cross-listed course: LING 542

POLI 552 - Economic Development Policy (3 Credits)

The role government policies have in local and regional differences in economic performance; strategies governments and non-profits use to evaluate economic development policies; topical focus on a range of economic development policies, including land use, infrastructure, workforce development, and education.

POLI 554 - Law and Society (3 Credits)

The American judicial system, including the decision to resolve disputes by legal means, political influence on the legal system, the social impact of legal rulings, the relationship of the courts to other branches of government, and the applicability of higher law concepts in judicial decision making.

POLI 567 - American Local Government (3 Credits)

An introduction to the institutions, functions, policy-making processes, and politics of American local government.

POLI 569 - State and Local Government (3 Credits)

This course will examine the purpose, structure, and functions of state governments and their local subdivisions. Requires special permission of department. Restricted to social studies teachers.

POLI 570 - South Carolina Government and Politics (3 Credits)

South Carolina state and local government in the context of South Carolina history and U.S. state and local government.

POLI 591 - Special Topics in Political Science (3 Credits)

Intensive study of special topics in Political Science. May be repeated as content varies by title.

Portuguese (PORT)

PORT 121 - Elementary Portuguese (3 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

PORT 122 - Basic Proficiency in Portuguese (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: PORT 121.

Carolina Core: GFL

PORT 201 - Intermediate Portuguese I (3 Credits)

Review of the basic principles of grammar with additional emphasis on reading and oral skills.

Prerequisites: PORT 122, PORT 130.

PORT 202 - Intermediate Portuguese II (3 Credits)

Continued review of the basic principles of grammar with additional emphasis on reading, writing, and oral skills.

Prerequisites: PORT 201.

PORT 299 - Accelerated Portuguese for Speakers of Spanish (3 Credits)

Accelerated Portuguese for speakers of Spanish, taught through a communicative approach. Students will develop intermediate-level oral and written communication skills in Portuguese and increase knowledge about multiple aspects of Luso-Brazilian cultures.

Prerequisites: SPAN 302, advanced proficiency or equivalent in Spanish.

PORT 309 - Advanced Conversation and Composition I (3 Credits)

Development of advanced conversational and compositional skills through systematic grammar study and review, reading, oral activities, and film discussion.

Prerequisites: Any 200-level PORT course.

PORT 310 - Advanced Conversation and Composition II (3 Credits)

Development of advanced conversational and compositional skills through systematic grammar study and review, reading, and the analysis of texts through both writing and oral discussion.

Prerequisites: Any 200-level PORT course.

PORT 312 - Introduction to Luso-Brazilian Literature (3 Credits)

Introduction to reading literary texts in Portuguese through carefully selected readings from different genres/periods.

Prerequisites: PORT 309 and PORT 310.

PORT 316 - Business Portuguese (3 Credits)

Society and business topics in Brazil. Equally useful for non-business majors.

Prerequisites: C or better in PORT 309 or PORT 310.

PORT 325 - The Brazilian Modern Short Story (3 Credits)

Examination of Brazilian short fiction and crônicas (literary journalistic pieces).

Prerequisites: PORT 309 and PORT 310.

PORT 360 - Social Justice in the Lusophone World (3 Credits)

Contemporary social justice topics throughout the Portuguese-speaking world, including Africa and Asia.

Prerequisites: C or better in PORT 309 or PORT 310.

PORT 375 - Special Topics in Luso-Brazilian Cultural Production (3 Credits)

Intensive study of special topics in Luso-Brazilian cultural production. May be repeated once as content varies by title. Taught in Portuguese.

Prerequisites: PORT 309 and PORT 310.

PORT 398 - Selected Portuguese Topics (1-3 Credits)

Intensive study of selected topics. May be repeated for credit under different title. Taught in English. Individual topics to be announced by title.

PORT 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

PORT 615 - Intensive Readings in Portuguese (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language reading requirements with successful completion of the course. Undergraduates may take the course as an elective only.

Psychology (PSYC)

PSYC 101 - Introduction to Psychology (3 Credits)

An introduction to and survey of the basic concepts and findings within the field of psychology.

Carolina Core: GSS

PSYC 103 - Psychology of Adjustment (3 Credits)

Introduction to theories and processes underlying and facilitating human adjustment in the community, family, and workplace.

PSYC 120 - Professional Development in Psychology (1 Credit)

Overview of disciplines and careers in psychology. Students will discover career-related interests and options at the bachelor's and post-baccalaureate levels and will be introduced to academic advising, curricular and extracurricular opportunities and academic resources available to support them toward their career goals.

PSYC 220 - Psychological Statistics (3 Credits)

Introduction to statistical methods essential for psychological research.

Prerequisites: C or better in PSYC 101; C or better in MATH 111 or equivalent or Math placement score.

PSYC 221 - Research Methods in Psychology (4 Credits)

Basic principles and methodology.

Prerequisites: C or better in PSYC 220.

Graduation with Leadership Distinction: GLD: Research

PSYC 228 - Laboratory in Psychology (2 Credits)

Laboratory in psychology in which research methods and statistical methods are integrated. One lecture and one two-hour laboratory per week.

Prerequisites: PSYC 226 and PSYC 227.

PSYC 300 - Human Sexual Behavior (3 Credits)

Psychological, physiological, and sociological factors of human sexual behavior and attitudes.

PSYC 301 - Psychology of Marriage (3 Credits)

The psychological, physiological, and social characteristics of marriage.

Cross-listed course: WGST 301

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 310 - Psychology of Women (3 Credits)

Women's experiences: childhood and adolescence, work, family, cultural images, adjustment, and social change.

Cross-listed course: WGST 310

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 320 - Psychology of Religion (3 Credits)

The development of the religious consciousness and its various expressions, the psychological dynamics of growth and conversion, response to crisis, and the relation of spiritual practice to health and wholeness.

Cross-listed course: RELG 361

PSYC 330 - Psychology and the African-American Experience (3 Credits)

Psychological theory and research as it applies to African Americans. Explores Africentric and other perspectives and roles of culture, racism, and historical phenomena.

Cross-listed course: AFAM 330

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

PSYC 350 - Industrial Psychology (3 Credits)

Psychological techniques applied to various industrial problem areas, such as management and supervision, morale, efficiency, training, personnel selection and placement, and relations among personnel.

PSYC 360 - Applied Psychology (3 Credits)

Uses of psychological knowledge and techniques in practical contexts; clinical, school, industrial, consumer, and environmental psychology.

PSYC 370 - Psychology of Consciousness (3 Credits)

Theories, controversies, and research findings on the nature of various states of consciousness; topics such as sleep/dreams, hypnosis, drug-induced states, and psychic phenomena.

PSYC 380 - Sport Psychology (3 Credits)

The role of sports in socialization, personality development and competence, including: spectator-performer interactions, motivation, competition effects; and the application of psychological techniques to performance enhancement.

PSYC 399 - Independent Study (1-6 Credits)

Closely supervised project or research experience in psychology. Approved contract required. May be repeated for up to six credits. Not for psychology major credit.

Prerequisites: PSYC 101.

Graduation with Leadership Distinction: GLD: Research

PSYC 400 - Survey of Learning and Memory (3 Credits)

Research and applications concerning the acquisition of new behavior and knowledge, including accounts based on classical and instrumental conditioning and on information-processing models.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 401 - Psychology of Physical Activity (3 Credits)

Introduction to psychosocial factors in physical activity. Topics include mental health effects of exercise, behavior change theories applied to physical activity, and physical activity determinants and interventions.

Prerequisites: C or better in PSYC 101.

Cross-listed course: EXSC 410

PSYC 405 - Cognitive Psychology (3 Credits)

Research and theories on sensory memory, attention, short-term and working memory, human learning and forgetting, imagery, long-term memory, speech perception, reading, language, thinking and problem solving, and decision making.

PSYC 410 - Behavioral and Mental Disorders (3 Credits)

Covers the classification, diagnosis, etiological theories, and treatments of the major mental and emotional disorders.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 420 - Survey of Developmental Psychology (3 Credits)

Psychological development from conception to late adulthood. Topics include physical, cognitive, and social processes associated with development at each stage of the life cycle.

Prerequisites: PSYC 101 or EDPY 335 or SCHC 130.

PSYC 430 - Survey of Social Psychology (3 Credits)

Introduction to theory and research in social psychology from a psychological viewpoint. Topics include social perception, social cognition, attitudes, interpersonal relationships, aggression, prosocial behavior, and group processes.

Prerequisites: PSYC 101 or SCHC 130.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PSYC 432 - Men and Masculinities (3 Credits)

This course provides an overview of psychological, social, physical, and emotional issues related to men's lives. Major topics include: gender construction, men and work, men and health, men in relationships, male sexualities, men in families, and masculinities in the media and popular culture.

Cross-listed course: WGST 432

PSYC 440 - Survey of Personality (3 Credits)

Covers the major theories and research on personality and the dynamics of human motivation.

Prerequisites: PSYC 101 or SCHC 130.

Graduation with Leadership Distinction: GLD: Research

PSYC 450 - Sensation and Perception (3 Credits)

Processing of information from the environment. Physiological, physical, psychological, and contextual determinants of perception.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 455 - Introduction to Neuroscience (3 Credits)

Function of the brain including basic neuroanatomy, neurophysiology and neurochemistry, neural systems, and psychopharmacology as it relates to behavior.

Cross-listed course: NSCI 300

PSYC 460 - Brain and Behavior (3 Credits)

How the brain mediates simple and complex behavior and how we can apply basic research about the brain to real world problems.

Prerequisites: PSYC 101 or SCHC 130.

PSYC 465 - Health Psychology (3 Credits)

Application of psychological theories and assessment and treatment methodologies for health maintenance and the diagnosis and treatment of illness.

Prerequisites: PSYC 101.

PSYC 470 - Introduction to Language Sciences (3 Credits)

Introduction to the linguistic component of human cognition. Properties of speech, the organization of language in the mind/brain, cross-linguistic universals, child language acquisition, and aspects of adult language processing.

Cross-listed course: ANTH 373, LING 300

PSYC 474 - Cognitive and Social Aspects of Bilingualism (3 Credits)

Bilingual language development, social and cultural aspects of bilingualism, the bilingual brain, bilingualism throughout the lifespan.

Cross-listed course: ANTH 374, LING 474

PSYC 475 - Survey of Clinical Psychology (3 Credits)

The scientific basis of clinical psychology. Topics include history, theory, research, ethics, and best practices. For students interested in graduate school in psychology or other mental health professions.

Prerequisites: B or better in PSYC 228 and PSYC 410.

PSYC 480 - Multi-Cultural Psychology (3 Credits)

This course provides an introduction to theories and research in the study of psychosocial issues of racial, ethnic and cultural groups.

Prerequisites: PSYC 101.

PSYC 487 - Community Psychology (3 Credits)

Application of knowledge from other areas of psychology to the study of the role of the individual in the community.

Prerequisites: PSYC 101 or SCHC 130 and at least 3 hours in psychology at 400 level or above.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Research

PSYC 489 - Community Psychology Practicum (3 Credits)

Supervised, structured field experience in a community agency, applying psychological principles, theory, and research. May be repeated once for credit.

Prerequisites: 15 hours in psychology.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Internships, GLD: Research

Experiential Learning: Experiential Learning Opportunity

PSYC 495 - Internship in Psychology (1-6 Credits)

A supervised experiential course in psychology. Contract approved by instructor, advisor, and Office of Academic Programs is required for undergraduate students.

Prerequisites: C or better in PSYC 226.

PSYC 498 - Advanced Independent Study (1-6 Credits)

Closely supervised project or research experience in psychology. Approved contract required. May be repeated for up to six credits.

Prerequisites: 9 hours of psychology.

Graduation with Leadership Distinction: GLD: Research

PSYC 501 - Human Factors Psychology (3 Credits)

Application of research in experimental psychology to ergonomics, the design of human-environment systems, with emphasis on work settings.

Prerequisites: PSYC 101 and 9 hours of upper-level courses all in psychology, business, engineering, or nursing.

PSYC 503 - Psychology of Drug Use and Effects (3 Credits)

Research and theoretical considerations of substance abuse. Pharmacological, sociological, psychological, medical, economic, forensic, and other relevant research and treatment disciplines.

Prerequisites: PSYC 450 or PSYC 455 or PSYC 460.

PSYC 506 - Psychology of Language (3 Credits)

Theories of speech perception, linguistic theories of syntax and semantics, the brain mechanisms underlying language, the development of language in children, and the role of language in thought.

Cross-listed course: LING 567

PSYC 507 - Cognitive Neuroscience (3 Credits)

Research and theories on the role of the brain in facets of cognitive behavior, including attention, short-term and working memory, perception, language, executive function, thinking, and problem solving.

Prerequisites: C or better in PSYC 405, highly recommended PSYC 455 or PSYC 460.

PSYC 510 - Child Behavioral and Mental Disorders (3 Credits)

Theories, description, and assessment of child behavior problems and disorders; methods of intervention.

Prerequisites: PSYC 420 or PSYC 410.

Graduation with Leadership Distinction: GLD: Community Service

PSYC 520 - Psychology of Child Development (3 Credits)

Examination of development from conception through older childhood. Specific cognitive and social processes will be given in-depth study.

Prerequisites: PSYC 420.

PSYC 521 - Psychology of Adolescence (3 Credits)

Theories and research examining social, emotional, and intellectual development in adolescence. Explores influence of family, peer, school, and cultural contexts.

Prerequisites: PSYC 420.

PSYC 522 - Psychology of Early and Middle Adulthood (3 Credits)

Developmental changes in abilities, personality, and behavior which occur between adolescence and old age.

Prerequisites: PSYC 420.

PSYC 523 - Psychology of Aging (3 Credits)

Psychological, social, and biological phenomena associated with maturity and aging.

Prerequisites: PSYC 420.

PSYC 526 - Prevention of Psychological Problems in Children and Youth at Risk (3 Credits)

Etiology, prevention of, and intervention in behavioral, social, emotional, educational, and psychological problems in children and youth at risk.

Prerequisites: PSYC 410 or PSYC 420 or equivalent.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

PSYC 528 - Psychology of Children with Exceptionalities (3 Credits)

Characteristics, causes, needs, and intervention strategies for children with a broad range of exceptionalities including mental, physical, social/emotional difficulties and atypical gifts and talents.

Prerequisites: PSYC 420 or PSYC 520.

PSYC 529 - Nature of Students with Specific Learning Disabilities (3 Credits)

Children with average/above average intelligence and specific learning impairments; diagnostic and remedial techniques. Offered by both the College of Education and the Department of Psychology.

Prerequisites: EDEX 523 or PSYC 528.

Cross-listed course: EDEX 531

PSYC 530 - Advanced Social Psychology (3 Credits)

Intensive study of topics selected from the field of social psychology.

Prerequisites: PSYC 430.

PSYC 550 - Advanced Sensation and Perception (3 Credits)

Intensive study of topics selected from the field of sensation and perception.

Prerequisites: PSYC 450.

PSYC 560 - Advanced Topics in Neuroscience (3 Credits)

Intensive study of topics selected from the field of neuroscience. Course may be repeated for credit under different topics.

Prerequisites: C or better in NSCI 300, PSYC 455 or PSYC 460, for undergraduates.

Cross-listed course: NSCI 560

PSYC 570 - Neuroscience Laboratory (3 Credits)

Practice in the methods of scientific inquiry and the dissemination of research in neuroscience.

Prerequisites: C or better in NSCI 300, PSYC 455, or PSYC 460.

Cross-listed course: NSCI 570

PSYC 571 - Cognitive Neuroscience Laboratory (3 Credits)

Methods of observation and experimentation in cognitive neuroscience. Two lectures and one three-hour laboratory per week.

Prerequisites: PSYC 227 and C or better in two courses from PSYC 405, PSYC 450, PSYC 455, PSYC 460, or PSYC 507.

Prerequisite or Corequisite: one course from PSYC 400, PSYC 405, PSYC 450, PSYC 455, or PSYC 460.

PSYC 572 - Cognitive Psychology Laboratory (3 Credits)

Practice in the experimental techniques used in the study of cognitive psychology. Two lectures and one three-hour laboratory per week.

Prerequisite or Corequisite: PSYC 405.

PSYC 574 - Sensation and Perception Laboratory (3 Credits)

Concepts and principles in the study of sensation and perception in the laboratory. Two lectures and one three-hour laboratory per week.

Prerequisite or Corequisite: PSYC 450.

PSYC 575 - Developmental Psychology Laboratory (3 Credits)

Methods of observation and experimentation on human psychological development. Two lectures and one three-hour laboratory per week.

Prerequisites: PSYC 226 and PSYC 227.

Prerequisite or Corequisite: PSYC 420 or PSYC 520.

PSYC 580 - Intermediate Statistics for Psychologists (3 Credits)

Advanced analysis of the uses and applications of statistics to research in psychology, and interpretation of statistics in the psychological literature.

Prerequisites: B or better in PSYC 227.

PSYC 583 - Psychological Tests and Measurement (3 Credits)

Introduction to the theory and practice of measuring psychological attributes. Emphasis on test construction in a laboratory setting. Hands-on experience in designing, administering, and analyzing psychological tests and measures.

Prerequisites: B or better in PSYC 227 and PSYC 228.

PSYC 584 - History and Systems of Psychology (3 Credits)

Systematic approaches to psychology.

Prerequisites: 9 hours in psychology at 400 level or above.

PSYC 589 - Selected Topics in Psychology (3 Credits)

Course content varies and will be announced in the schedule of classes by title.

PSYC 598 - Individual Research (3 Credits)

Planning and execution of supervised research in psychology. Approved contract required.

Prerequisites: 15 hours of psychology.

PSYC 599 - Individual Research (3 Credits)

Planning and execution of supervised research in psychology. Approved contract required.

Prerequisites: 15 hours of psychology.

Public Health (PUBH)

PUBH 302 - Introduction to Public Health (3 Credits)

An introduction to the history, theory, and practice of public health. Emphasis will be on the population perspective and the ecological model including the population impacts of health care systems.

PUBH 399 - Independent Study in Public Health (1-3 Credits)

Contract approved by instructor, advisor, and dean of the Arnold School is required for undergraduate students. May be repeated for up to 6 credits.

PUBH 492 - Special Topics in Public Health (3 Credits)

Issues and emerging themes in public health. May be repeated for a total of 9 credit hours as content varies by title.

PUBH 498 - Public Health Capstone Seminar (3 Credits)

Synthesis and application of BS/BA public health program content and competencies in a practice setting with emphasis on student identified areas for professional growth.

Prerequisites: PUBH 302.

Graduation with Leadership Distinction: GLD: Community Service
Experiential Learning: Experiential Learning Opportunity

PUBH 499 - Foundations of Public Health Leadership (3 Credits)

An introduction to core principles in public health leadership. Areas included are ethics, public health issues, communication issues, leadership competencies, and leadership values.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

PUBH 678 - Transforming Health Care for the Future (1 Credit)

Foundation for beginning health professions students to gain an understanding of the complexities of the health care system through experiential activities conducted in interprofessional teams and the importance of interprofessional collaboration in order to improve the system.

Cross-listed course: SOWK 678

Reading (EDRD)

EDRD 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDRD 430 - Elementary Literacy Instruction I (6 Credits)

Examination and implementation of the key concepts, content, goals, and strategies in teaching reading and the language arts in the elementary school. Students will work with elementary children in a school setting to learn literacy concepts and instructional strategies. Admission to the B.A. program in elementary education, children's literature course. Designated for undergraduate students seeking initial certification.

EDRD 431 - Reading Assessment (3 Credits)

Seminar and supervised one-on-one field experience focused on reading assessment of and instruction for individual children and groups of children. Restricted to: Undergraduate students pursuing teacher certification.

Prerequisites: admission to the professional program.

EDRD 500 - Content Area Literacy PK-12 (3 Credits)

A survey of research and practice which facilitates students' literacy skills in the content areas. For K-12 content area teachers of art, dance, physical education, foreign language, music and theatre.

EDRD 511 - Teaching Reading to Adults I (3 Credits)

Diagnostic and prescriptive modes of teaching reading to adults, based on the physical, psychological, intellectual, and social characteristics of the adult learner.

EDRD 512 - Teaching Reading to Adults II (3 Credits)

Preparation of materials for teaching basic reading skills to adults and practicum experiences in teaching adults to read.

Prerequisites: EDCO 511 or EDRD 511.

EDRD 514 - Teaching of Reading in the Elementary School (3 Credits)

Study of the various phases of reading in their relation to a modern program of education and the place of reading in the curriculum. Emphasis on modern practices in the classroom teaching of reading.

EDRD 518 - Reading in the Secondary School (3 Credits)

The place of reading instruction in high schools, the programming of special services in reading instruction, methods of teaching basic and developmental reading skills, and case studies of programs. Demonstrations of tests and devices.

EDRD 600 - Foundations of Reading Instruction (3 Credits)

An overview of reading and its curriculum implications: grades K-12 and adults. Emphasis is placed on current trends and issues and related methodologies.

EDRD 650 - Teaching Reading Through A Literature Emphasis (3 Credits)

Integrating appropriate literature into traditional and alternative reading programs. Identifying appropriate literature for classroom use and recreational reading. Use of literature as a means of developing and reinforcing reading skills.

EDRD 651 - Introduction to Teaching Media Literacy (3 Credits)

A survey of analysis of electronic and non-print media themes and messages aimed at youth, with special emphasis on design and implementation of curricula for enhancing children's media literacy.

EDRD 690 - Independent Study (1-3 Credits)

Religious Studies (RELG)

RELG 101 - Exploring Religion (3 Credits)

Beliefs and practices of the world's religions and the methods scholars use to study them.

Carolina Core: GSS

RELG 120 - Comparative Religion (3 Credits)

Issues, theories, and debates that shape global religious traditions, cultures, and communities; examination of historical contexts and development, applying social scientific inquiry and methods to analyze relevant current circumstances and concerns.

RELG 201 - Religion and Culture (3 Credits)

Exploration of the dynamic relationships between selected religions and cultures.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RELG 202 - Introduction to Reason and Faith (3 Credits)

Critical study of the intellectual strands leading to Western disconnections between reason and faith; the search for balance between belief and reason with emphasis on contemporary developments.

RELG 204 - Introduction to Religions in America (3 Credits)

The diversity of religious traditions in America.

RELG 205 - Morality, Ethics, and Religion (3 Credits)

Values and ethics as developed, contested, and transmitted through a variety of religious practices.

Carolina Core: VSR

RELG 206 - History of the Devil (3 Credits)

A survey of the beliefs and practices associated with the demonic and the Devil from c 500 B.C.E. to the 20th century.

Cross-listed course: HIST 215

RELG 207 - Introduction to African American Religions (3 Credits)

The variety of religious traditions of African Americans, with emphasis on the contexts in which they developed.

Cross-listed course: AFAM 207

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 208 - Biblical Archaeology (3 Credits)

The fundamental elements of human culture as it relates to biblical archaeology. The defining characteristics of different kinds of society through interdependency of language and culture. The affects of modern world interests in defining / redefining this area.

Cross-listed course: ANTH 226

RELG 210 - Introduction to Hinduism (3 Credits)

An interdisciplinary examination of the complexity of the Hindu religious and philosophical traditions covering such topics as deity, self, cosmos, body ritual, karma, and yoga.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 219 - Ethics and the Good Life in Asian Religions (3 Credits)

Fundamental questions of ethical and moral inquiry in the religious traditions of Asia.

RELG 220 - Introduction to Buddhism (3 Credits)

An introduction to Buddhism from a social historical perspective that examines Buddhist religious goals and practices in the local contexts of India, Sri Lanka, Tibet, China, and Japan.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 221 - Buddhist Meditation in Theory and Practice (3 Credits)

Buddhist methods of meditation, asceticism, and similar disciplinary practices for personal and social transformation. Examination of classic Buddhist works from diverse cultures with attention to modern American practices.

RELG 230 - Introduction to Judaism (3 Credits)

Overview of Jewish experiences, beliefs, practices from a contextual point of view.

Cross-listed course: JSTU 230

RELG 240 - Introduction to Christianity (3 Credits)

Introduction to the Christian religion, with emphasis on the history of the major traditions and movements that have shaped the multicultural practices and social impact of modern global Christianity.

RELG 250 - Introduction to Islam (3 Credits)

Interpretation of primary materials reflecting many dimensions of the Islamic religious tradition, such as the Qur'an, Hadith, legal, and theological and mystical writings, art, rituals, and contemporary Muslim voices.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 260 - Anthropology of Magic and Religion (3 Credits)

A comparative examination of such topics as ritual, cosmology, revitalization movements, magic, witchcraft, myth, and possession.

Cross-listed course: ANTH 206

RELG 261 - Global Human Religiosity (3 Credits)

The human experience and expression of what it means to be religious.

RELG 270 - Religion and the Arts (3 Credits)

Literary, visual, and/or performance art associated with religious discourse and practice.

Carolina Core: AIU

RELG 291 - Special Topics in Religious Studies (3 Credits)

Special topics in Religious Studies. May be repeated as content varies by title.

RELG 301 - Hebrew Bible (Old Testament) (3 Credits)

Modern study of the Hebrew Bible from historical, literary, and archeological points of view. Reading and analysis of texts in translation.

Cross-listed course: JSTU 301

RELG 302 - New Testament (3 Credits)

Historical and critical study of the New Testament writings, with emphasis on origins, production, and transmission.

RELG 310 - Paul and the Philosophers (3 Credits)

Paul's teachings and practices, as shown in his letters and how these resemble those of various cultural formations of his time, with emphasis on moral teachings and schools of Hellenistic philosophy.

RELG 311 - Gospel Literature and the Formation of Christianity (3 Credits)

Gospels about Jesus from the 1st and 2nd centuries CE; analysis with attention to canonical texts as well as those not contained in today's major canonical collections; assessment of gospel literature in competing configurations of Christianity during its formative years.

RELG 312 - The Life and Letters of Paul (3 Credits)

A critical study in the life and thought of Paul, his letters to the early Christian churches, his role in the expansion of the Christian movement, and his continuing influence today.

RELG 313 - The Writings of John the Apostle (3 Credits)

Writings of the Apostle John in the context of first century Mediterranean history as well as the changing interpretations over the centuries up to and including current methodologies of academic study of these ancient texts.

RELG 314 - Religion and Culture (3 Credits)

The impact of religion on modern Western culture and, in turn, of culture on religion. Selected topics: Holocaust, Puritanism, fundamentalism, Islam, Freud, "love" wisdom tradition, "civil religion."

RELG 315 - Early Christianity (3 Credits)

Christianity in the 1st through 5th centuries; its formation as seen through the literature of early Christians and their detractors.

RELG 316 - Imagining Jesus: Antiquity to Present (3 Credits)

Conceptions and representations of Jesus in antiquity up to the present; including the gospel traditions as well as literature, art, and film.

RELG 320 - The Greek New Testament (3 Credits)

Readings in the Gospels and Epistles.

Prerequisites: GREK 121 and GREK 122.

Cross-listed course: GREK 305

RELG 321 - Old Testament Prophets (3 Credits)

Old Testament prophets, the nature of their prophetic experience, their place in the life of ancient Israel, their message, and their continuing theological significance.

RELG 332 - Christian Theology (3 Credits)

Basic Christian teachings concerning God, creation, sin, the person and work of Christ, and life after death.

RELG 333 - Sex, Gender, and Religion (3 Credits)

Gender and sexuality in the shaping of social and individual identity in religious contexts.

Cross-listed course: WGST 333

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 334 - Asian Religious Philosophy (3 Credits)

A historical overview and critical introduction to the philosophical practices of Asian religions; an examination of the basic worldviews, thought frameworks, and foundational questions of the main schools of premodern Asian religious philosophy.

Cross-listed course: PHIL 315

RELG 335 - Christian Ethics (3 Credits)

Basic Christian teachings concerning human nature and conduct; historical foundations and contemporary applications.

RELG 336 - Social Justice & Religion (3 Credits)

Historical, contextual, and developmental aspects of social justice as a significant function of religion.

RELG 337 - Religion and Politics (3 Credits)

Relationships between religion and the structure, institutions, and content of a nation's political processes.

RELG 338 - Sociology of Religion (3 Credits)

Sociological perspectives related to selected aspects of religious behavior. Includes references to non-Western religions.

Cross-listed course: SOCY 307

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 339 - Law and Religious Traditions (3 Credits)

The study of the role of law, legal argumentation, and legal contexts in one or more religious traditions.

RELG 340 - God and the Gods (3 Credits)

The worship of Yahweh and other deities in ancient Israel with special attention to the evolution of monotheism.

RELG 343 - Religions of the African Diaspora (3 Credits)

Explore development/theologies of African/African Diaspora religions; examine misunderstandings; arrive at a more sophisticated and nuanced vision of these religions and the people who hold them.

Cross-listed course: AFAM 343

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

RELG 344 - Hindu Devotional Traditions (3 Credits)

One of the main paths to the divine in the Hindu tradition; deep devotion to a god or goddess, or bhakti, with expressions in art, poetry, mythology, theology, and ascetic fervor.

Prerequisites: At least one 100- or 200-level Religious Studies course.

RELG 349 - Tantra: Sex, Power, and Bliss in South Asian Religions (3 Credits)

Investigation of the Buddhist and Hindu religious ideas and practices known as tantra. Topics include tantric views of the human body, freedom, and consciousness; tantric use of sex, imagination, visualization, and manipulation of bodily energy; role of tantric traditions in South Asian religions and cultures.

RELG 350 - Buddhist Stories, Poetry, and Films (3 Credits)

Buddhist stories, poetry, novels, and films from various cultures and times examined for how they creatively convey their religious ideals. Study of great works of Buddhist writing, in English translation, analyzing their techniques and examining how Buddhists use film today for similar aims.

RELG 351 - Yoga: The Art of Spiritual Transformation (3 Credits)

Examination of major South Asian religions—Hinduism, Jainism, Buddhism, and Islam, emphasizing the historical context for changing religious ideals, and the commingling of traditions.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 352 - Religions of East Asia (3 Credits)

Expansion of Buddhism beyond India, development of Confucianism, Taoism, Shinto, and other national religious expressions in China and Japan.

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 354 - Islamic Institutions and Traditions (3 Credits)

The religious, political, social and economic institutions and intellectual and scholarly traditions developed by Muslim societies throughout Afro-Eurasia from late antiquity to the present.

Cross-listed course: HIST 386

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RELG 358 - The Qur'an and Hadith (3 Credits)

Intensive study of the Qur'an and Hadith: its major themes and literary quality, with attention to a range of classical and contemporary discourses about the Qur'an, both Islamic and Western.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 359 - Islamic Theology and Philosophical Thought (3 Credits)

Close reading and discussion of primary texts (the Qur'an, Hadith, creeds, classical theological arguments, and modern writings) on major theological problems such as salvation, God, revelation, and religious pluralism.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 361 - Psychology of Religion (3 Credits)

The development of the religious consciousness and its various expressions, the psychological dynamics of growth and conversion, response to crisis, and the relation of spiritual practice to health and wholeness.

Cross-listed course: PSYC 320

RELG 362 - Science, Magic and Religion (3 Credits)

Occultism as a link between science and religion and its central role in Western intellectual and cultural history; the historical development of the science-magic-religion continuum in the Islamo-Christian world from late antiquity to present.

Cross-listed course: HIST 389

RELG 367 - Sufism (3 Credits)

A survey of Islamic mysticism, its foundation in the Quranic revelation doctrines and practices, subsequent development, significance within Islamic civilization, and role in the contemporary world, both Islamic and non-Islamic.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 368 - Messiahs, Mystics and Rebels in the Islamic World (3 Credits)

Representative messianic movements, millenarian visionaries and apocalyptic imaginings in the Islamic world from the 7th century to the present, with attention to related developments in the Jewish and Christian traditions over the last two millennia.

Cross-listed course: HIST 387

RELG 369 - Islamic Law (3 Credits)

Close reading and discussion of primary texts (scriptural, classical, and modern) and accounts of court cases, focuses on one aspect of Islamic law such as equity, violence, authority, or gender.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 372 - Religion and Existentialism (3 Credits)

Existentialist thought as adapted by theologians to interpret religious experience and the biblical message. The movement from philosophical protest against essentialism into imaginative description of existence revealed under stress.

RELG 373 - Literature and Film of the Holocaust (3 Credits)

Film, poetry and literature created in response to the Holocaust as the means for a decades long cultural discussion, in European and American societies, of the moral and religious implications of the Holocaust on our self-understandings as religious and moral beings.

Graduation with Leadership Distinction: GLD: Global Learning

RELG 374 - Religion in the South (3 Credits)

Regional faith traditions in Southern historical-cultural context: evangelical piety, denominational tradition, revival, African-American church, Lost Cause idealism.

RELG 376 - Holy Women (3 Credits)

Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

Cross-listed course: WGST 376

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RELG 377 - Religion and Literature (3 Credits)

Classic literary works from one or more religious traditions which have shaped and/or expressed the core ethos of a religious tradition or of the more general human concern for the religious and spiritual; and/or general literature (fiction, poetry, plays, essays, non-fiction) which incorporates religious or spiritual references, ideas, symbolism, allusions.

RELG 381 - Jewish History I: Late Antiquity to 1500 (3 Credits)

The religious, cultural, social, and political conditions that shaped the Jewish experience in the Near East and Europe from late antiquity to 1500.

Cross-listed course: HIST 383, JSTU 381

RELG 382 - Jewish History II: 1500 to the Present (3 Credits)

Case studies of Jewish history in Europe, America, and the land of Israel, 1500 to the present.

Cross-listed course: HIST 384, JSTU 382

RELG 387 - Jews and Muslims (3 Credits)

Jewish-Muslim relations in the Near East and the US; an exploration of Jewish-Muslim encounters, issues of religious law, politics, radical religious ideologies, and their repercussions for today.

Cross-listed course: JSTU 387

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 388 - Kabbalah: Science, Religion and Nature in Western History (3 Credits)

Historical investigation of kabbalah, a philosophical system and mystical current common to Judaism, Islam and Christianity, from the medieval period to the present; focus on its formative role in early modern Western cosmology and science, and its ecological implications today.

Cross-listed course: HIST 388, JSTU 388

RELG 390 - Theories of Religion (3 Credits)

A historical overview of major theories and approaches in the academic study of religion.

RELG 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RELG 410 - Origins of Western Morality (3 Credits)

Greek and Roman ethical theory, its adaptation into Judean and Christian traditions and impact on Western models of morality.

RELG 412 - Faith, Doubt, and God (3 Credits)

Judeo-Christian views of God; modern criticism and contemporary responses.

RELG 471 - Race and Religion (3 Credits)

Conceptualization of race and its transformative impact on the study of religion; genealogical, historical, and theoretical parameters of the intersection between race and religion; recent scholarship that combines the categories of race and religion in the context of various religious communities.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

RELG 472 - Religion and Science: Human Questions (3 Credits)

Relationships between religion and science, especially considering impacts of mutual responses and questions with respect to human life in the 21st century.

RELG 473 - Religions, Medicines, and Healing (3 Credits)

Inter-relationships between religion, medicines, and healing; examining perspectives and practices, interfaces and influences across cultures.

RELG 474 - Spiritual Lives (3 Credits)

Contemporary and historical life-stories about spiritual or religious figures as presented in various forms such as biography, autobiography, hagiography, art, and/or film; explores both the specific issues within unique accounts and idealized, general models for spiritual lives.

RELG 475 - Visions of Apocalypse (3 Credits)

Symbolic visions, tours of heaven and hell, cosmic battles, divine judgment, messianic figures, prophecy, or other forms of revelation as found in literature, art, or social movements from diverse geographical and historical locations.

Cross-listed course: JSTU 475

RELG 488 - Perspective in Religious Studies (3 Credits)

Build an understanding of the contexts of religious studies; participate in ongoing scholarly discussions; and expand the serious student's skills in critically analyzing religions.

RELG 491 - Advanced Special Topics in Religious Studies (3 Credits)

Advanced special topics in Religious Studies. May be repeated as content varies by title.

RELG 492 - Special Topics in Research in Religious Studies (1 Credit)

Focused research on special topics in Religious Studies. May be repeated as content varies by title.

RELG 498 - Advanced Project (3 Credits)

A supervised research project or other creative work, required of intensive majors, to be completed in the senior year.

Graduation with Leadership Distinction: GLD: Research

RELG 551 - Tradition and Transformations in Islamic Cultures (3 Credits)

Islam as a dynamic cultural tradition: emphasis on the tension between Islamization and the larger Islamic tradition.

Cross-listed course: ANTH 515

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

RELG 552 - Buddhist Studies Seminar (3 Credits)

The examination of a theme or problem central to the study of Buddhism in a seminar emphasizing intensive reading and creative discussion. Course may be repeated since topics change.

Research & Measurement (EDRM)

EDRM 423 - Introduction to Classroom Assessment (2 Credits)

Development of assessments for different content areas and grade levels, and processes for making decisions based on assessment results.

EDRM 520 - Introduction to Testing and Evaluation (3 Credits)

The construction and use of teacher-made tests; descriptive statistics, measurement error, norms, and interpretation of scores; types of standardized instruments for use in elementary and secondary schools.

EDRM 690 - Independent Study (1-3 Credits)

Retailing (RETL)

RETL 115 - Fashion History: A Global View (3 Credits)

Examination of influences on fashion throughout history both domestically and globally.

RETL 116 - Fashion Through the Ages: 1800 A.D. to Present (3 Credits)

Introduction to the history of fashion from 1800 A.D. to the present.

RETL 201 - Exploration of Retail Management and Fashion Merchandising Industries (3 Credits)

Exploration of retail management and fashion merchandising curriculum and careers.

RETL 216 - History of Designers (3 Credits)

Survey of influential fashion designers since 1857, examining their design influences and their contributions to fashion.

RETL 237 - The Changing Consumer Marketplace (3 Credits)

The economic problems of everyday life presented within a business framework, promoting the student's well-being as a consumer. Consideration is given to the economics of consumption, real income, consumer buying, consumer protection, operations leading to family prosperity, security, and estate planning.

RETL 242 - HRSM Professional Communications (3 Credits)

Theory, processes, and applications of business communications.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

RETL 250 - Sustainability in Fashion and Retail (3 Credits)

Examination of concepts, practices, and opportunities of fashion sustainability (such as social and environmental responsibility) available to designers, developers and consumers.

RETL 261 - Principles of Accounting I (3 Credits)

A study of the accounting cycle with emphasis on preparation and analysis of financial statements.

RETL 262 - Principles of Accounting II (3 Credits)

A study of the preparation and interpretation of corporate financial statements with an emphasis on analysis and decision making techniques.

Prerequisites: RETL 261.

RETL 265 - Principles of Retailing (3 Credits)

Management methods, location analysis, store organization, personnel, planning, buying and pricing techniques, and customer service policies for retail firms.

RETL 268 - Principles of Fashion Merchandising (3 Credits)

The place of fashion in buying, selling, and promoting merchandise. Meets the needs of individuals in retail organizations from entry level to buyer.

RETL 295 - Retailing Practicum (3,6 Credits)

Supervised work experience in an area of the retail industry, selected by the student and approved by the instructor.

Prerequisites: C or better in RETL 265.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

RETL 310 - Digital Retailing (3 Credits)

Development of a comprehensive plan for implementing a retailing business online via digital technology.

Prerequisites: RETL 265.

RETL 330 - Asset Protection for Retailers (3 Credits)

Examination of asset protection and risk management issues which affect the retailing industry, such as retail risk assessment and response, loss prevention, employee-related risks, facility security, crisis management, and intellectual property protection.

Prerequisites: RETL 265.

RETL 344 - Personnel Organization and Supervision (3 Credits)

Recruitment, selection, utilization, and development of human resources; role of supervisors in management and personnel administration.

Cross-listed course: HRTM 344

RETL 350 - Sales Strategies (3 Credits)

Theories, principles, and techniques of personal selling with application to different buyer-seller situations.

RETL 351 - Retail Entrepreneurship (3 Credits)

Essentials of creating and operating a new retail venture in physical and virtual environments.

RETL 362 - Principles of Customer Service (3 Credits)

Essential skills necessary to manage successful service operations, including retail, e-commerce, hospitality/tourism, food/beverage, and sports/event organizations.

RETL 365 - Visual Merchandising and Store Design (3 Credits)

Displays and visual merchandising strategies.

RETL 366 - Retail Buying (3 Credits)

Planning, purchasing, and controlling inventories.

Prerequisites: RETL 261.

RETL 368 - Fashion Product Analysis (3 Credits)

Analysis of fashion products with emphasis on textile selection, product construction, life cycle, cost elements, and the changing demographics of the fashion consumer.

RETL 369 - Retail Promotion (3 Credits)

Planning and executing retail promotion strategies.

RETL 371 - Advanced Retail Accounting (3 Credits)

Accounting topics related to retail establishment with emphasis on managerial interpretation and use.

RETL 385 - Global Sourcing in Retail and Fashion (3 Credits)

Exploration of theoretical, political, economic, social, and environmental implications of global sourcing decisions in retail and fashion.

Prerequisites: D or better in RETL 261 and RETL 265.

RETL 388 - Fashion Forecasting (3 Credits)

Forecasting fashion trends to impact retail merchandising performance.

RETL 399 - Independent Study (1-6 Credits)

Contract approved by instructor, advisor, and department head is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RETL 425 - Customer Experience Management (3 Credits)

Study of customer trends and experience management.

Prerequisites: C or better in RETL 265.

RETL 460 - Retail Branding Strategies (3 Credits)

Overview of retail branding strategies with emphasis on implications of the development of brand equity towards increasing customer loyalty.

RETL 462 - Merchandise Management Strategies (3 Credits)

The knowledge of the principles of merchandising as applied in manufacturing and retailing business organization and understanding of the retail buyer's role in merchandise management including merchandise planning, negotiating, buying, pricing, assorting, and timing.

Prerequisites: RETL 366 and RETL 368.

RETL 472 - Category Management (3 Credits)

Application of category management principles and models to competitive behavior in retailing with a focus on product category issues. Case-based analysis and/or JDA computer software will be applied to industry-specific problems related to inventory management.

Prerequisites: C or better in RETL 265.

RETL 485 - Multi-National Retailing (3 Credits)

Retail operations within foreign environments.

RETL 487 - Retail Management Strategies (3 Credits)

Application of strategic management principles and models to competitive behavior in retailing.

Prerequisites: RETL 366.

RETL 495 - Retailing Internship (6 Credits)

Supervised work experience within the retail industry that links classroom learning and student interest with the acquisition of knowledge in an applied work setting.

Prerequisites: RETL 295.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

RETL 525 - Legal Aspects of Entrepreneurship and E-Commerce (3 Credits)

Examination of domestic and international laws affecting retail entrepreneurship and online commerce, such as data privacy and breach response, intellectual property protection, sales tax, advertising and unfair trade practices, consumer protection laws, employment laws, and legal obligations involving physical locations.

Prerequisites: SPTE 240 or equivalent.

RETL 530 - Fashion and the Law (3 Credits)

Examination of domestic and international laws which affect the fashion industry, such as intellectual property protection, licensing agreements, operational and marketing issues, and international trade.

Prerequisites: SPTE 240 or equivalent.

RETL 535 - Retail Logistics (3 Credits)

Examination of the flow of retail inventory from initial production to final purchase. Meets the needs of individuals in retail organizations from entry-level sales floor personnel to buyers. Students must be qualified to enroll in a 500 level course at The University of South Carolina.

RETL 551 - Retail and Fashion Business Planning (3 Credits)

Essential skills for building a new or expanding an existing retail or fashion business in both brick-and-mortar and online venues by developing a marketing plan and corresponding e-Commerce website for a business or fashion organization.

Prerequisites: RETL 351.

RETL 562 - Advanced Merchandising Management Strategies (3 Credits)

The analysis of assortment planning and inventory management of apparel products utilizing merchandising principles and industry software.

RETL 569 - Advanced Retail Promotion and Social Media Analytics (3 Credits)

Essential principles and analytical tools used in retail promotion; appraisal of methods and outcomes via field experiences, visuals, and simulations.

RETL 590 - Special Topics in Retail Management (3 Credits)

Course content varies. May be repeated once under a different title.

RETL 592 - Retailing/Fashion Merchandising Field Study (3 Credits)

Study of international/domestic fashion manufacturers, retailers, ancillary businesses, and selected resident buying offices. May be repeated once for credit. Must be in good standing with a 2.0 GPA or better; No pending or past judicial council infractions.

RETL 600 - Fundamentals of Omni-Channel Retailing (3 Credits)

Exploration of the fundamentals of Omni-Channel Retailing.

RETL 640 - Personnel Development & Relations Management (3 Credits)

Advanced examination of human resource management within retail organizations.

RETL 662 - Customer Relationship Management for the Retail Industry (3 Credits)

The analysis of customer relationship management for retailers utilizing merchandising principles and industry software.

Russian (RUSS)

RUSS 121 - Elementary Russian (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language.

Carolina Core: GFL

RUSS 122 - Basic Proficiency in Russian (4 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: RUSS 121.

Carolina Core: GFL

RUSS 201 - Intermediate Russian I (3 Credits)

Continued exposure to the fundamentals of Russian grammar, along with increased focus on reading and speaking skills.

Prerequisites: RUSS 122 or satisfactory score on language placement test.

RUSS 202 - Intermediate Russian II (3 Credits)

Completion of exposure to the fundamentals of Russian grammar, with emphasis on writing, reading, and conversation.

Prerequisites: RUSS 201 or satisfactory score on language placement test.

RUSS 280 - Introduction to Russian Civilization (3 Credits)

A multimedia introduction to Russian culture from its beginnings to the present. No knowledge of Russian required.

Carolina Core: AIU

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

RUSS 298 - Selected Topics (1-3 Credits)

Introductory-level study of selected topics in Russian culture. Does not apply toward the Russian major. May be repeated for credit under a different title.

RUSS 301 - Russian Conversation and Composition I (3 Credits)

Conversation, reading, composition, comprehensive review of grammar.

Prerequisites: RUSS 202 or satisfactory score on language placement test.

RUSS 302 - Russian Conversation and Composition II (3 Credits)

Emphasis on oral proficiency, using contemporary authentic materials from Russian newspapers, textbooks, and television newscasts.

Prerequisites: RUSS 301 or satisfactory score on language placement test.

RUSS 319 - Nineteenth-Century Russian Literature in Translation (3 Credits)

Masterworks of Russian literature by Tolstoy, Dostoevsky, Turgenev, Pushkin, Chekov, and others.

Graduation with Leadership Distinction: GLD: Global Learning

RUSS 319L - Nineteenth-Century Russian Literature in Russian (1 Credit)

A Russian-language course designed to supplement 319. Reading and discussion in Russian of 19th-century poetry and prose.

Prerequisites: RUSS 302.

RUSS 320 - Twentieth-Century Russian Literature in Translation (3 Credits)

Masterworks of Russian literature by Bely, Pasternak, Bulgakov, Nabokov, Solzhenitsyn, and others.

Graduation with Leadership Distinction: GLD: Global Learning

RUSS 320L - Twentieth-Century Russian Literature in Russian (1 Credit)

A Russian-language course designed to supplement RUSS 320.

RUSS 340 - Russian Shorts: Stories and Essays (3 Credits)

An examination of Russian short stories and essays by Russian writers from the nineteenth century to the twenty-first century.

RUSS 350 - Russian Folklore and Fairy Tales (3 Credits)

An introduction to Russian fairy tales and other genres of folklore, both in their original form within an oral tradition and as reworked in Russian art and literature.

RUSS 398 - Selected Topics (3 Credits)

Intensive study of selected topics in Russian cultural and/or literary movements. Taught in English. May be repeated for credit under a different title.

RUSS 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

RUSS 401 - Advanced Russian I (3 Credits)

Acquisition of subtleties of Russian grammar. Increased focus on reading, writing, and discussion.

Prerequisites: RUSS 302 or satisfactory score on language placement test.

RUSS 402 - Advanced Russian II (3 Credits)

Exposure to prose and poetry from a wide variety of sources and periods. Focus on oral proficiency, reading, comprehension, and writing.

Prerequisites: RUSS 401 or satisfactory score on language placement test.

RUSS 518 - Medieval Russian Culture (3 Credits)

An introduction to the culture of medieval Russia through its written records, folklore, icons, and ancient religious chant.

RUSS 520 - Russian Modernism: Love, Sex and Politics in Revolutionary Russia (3 Credits)

An exploration of Russian modernist culture, with particular attention to the themes of social and political change. Authors under discussion include Kuzmin, Bely, and Zamyatin.

RUSS 530 - Homer in Russia (3 Credits)

An examination of the influence of Homer's epic poems The Iliad and The Odyssey on Russian culture, as seen in works by Russian writers including Tolstoy, Pasternak, and Brodsky.

RUSS 540 - Writing Russian National Identity (3 Credits)

An examination of Russian writers reflecting on Russian national identity, including Solzhenitsyn, Dostoevsky, and Grossman.

RUSS 598 - Selected Topics in Russian (3 Credits)

Reading and research on selected topics in Russian. Course content varies and will be announced in the schedule of courses by title.

RUSS 615 - Intensive Readings in Russian (3 Credits)

Intensive reading course for non-majors. Primarily for graduate students to fulfill the foreign-language reading requirement. It will not be applied toward the degree language requirements nor will it be accepted as a substitute in the course sequence leading to the various degree requirements.

RUSS 616 - Intensive Readings in Russian (3 Credits)

Intensive reading course for non-majors. Primarily for graduate students to fulfill the foreign-language reading requirement. It will not be applied toward the degree language requirements nor will it be accepted as a substitute in the course sequence leading to the various degree requirements.

Prerequisites: RUSS 615.

SC Honors College (SCHC)

SCHC 101 - HNRS: Principles of Biology (4 Credits)

Must be taken in sequence.

SCHC 102 - HNRS: Principles of Biology (4 Credits)

Must be taken in sequence.

SCHC 105 - HNRS: Principles of Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 106 - HNRS: Principles of Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 107 - HNRS: Principles of Marine Science I (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 107L - HNRS: Marine Science Lab I (1 Credit)**SCHC 108 - HNRS: Principles of Marine Science II (3 Credits)**

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 108L - HNRS: Marine Science Lab II (1 Credit)

CL: 2020.

SCHC 109 - HNRS: Principles of Physics (4 Credits)

Must be taken in sequence. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum. May be substituted for PHYS 211.

SCHC 110 - HNRS: Principles of Physics (4 Credits)

Must be taken in sequence. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum. May be substituted for PHYS 212.

SCHC 115 - HNRS: Descriptive Astronomy (4 Credits)

Must be taken in sequence.

SCHC 115L - HNRS: Descriptive Astronomy Lab (0 Credits)

SCHC 116 - HNRS: Descriptive Astronomy (4 Credits)

Must be taken in sequence.

SCHC 125 - HNRS: Special Topics in History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 126 - HNRS: Special Topics in History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 158 - HNRS: Rhetoric (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem. May substitute for SPCH 140.

SCHC 166 - HNRS: Art History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 167 - HNRS: Music History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 201 - HNRS: Proseminar in Biology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 202 - HNRS: Proseminar in Biology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 203 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 204 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 205 - HNRS: Proseminar in Geology (3-4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 206 - HNRS: Proseminar in Geology (3-4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 207 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 208 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 209 - HNRS: Proseminar in Physics (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 209L - HNRS: Proseminar in Physics Lab (1 Credit)**SCHC 210 - HNRS: Proseminar in Physics (4 Credits)**

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 212 - HNRS: Proseminar: Mathematics (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 213 - HNRS: Proseminar: Mathematics (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 214 - HNRS: Proseminar: Mathematics (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 221 - HNRS: Proseminar in American History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 222 - HNRS: Proseminar in American History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 223 - HNRS: Proseminar in European History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 224 - HNRS: Proseminar in European History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 225 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 228 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 230 - HNRS: Proseminar in Psychology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 231 - HNRS: Proseminar in Sociology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 232 - HNRS: Proseminar in Anthropology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 233 - HNRS: Proseminar in Political Science (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 234 - HNRS: Proseminar in International Relations (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 235 - HNRS: Proseminar in Economics (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 237 - HNRS: Proseminar in Geography (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 252 - HNRS: Studies in Writing (3 Credits)

Theory and practice of rhetoric and study of selected writings. Minimum of three papers and a term paper. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 253 - HNRS: Comparative Studies in Literature (3 Credits)

Broad historical or generic topics in literature. Minimum of three papers and a term paper. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 254 - HNRS: Studies in American Literature (3 Credits)

Broad historical or generic topics in American literature. Minimum of three papers and a term paper. Students may not receive credit for both SCHC 254 and English 287. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 255 - HNRS: Studies in British Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 258 - HNRS: Proseminar in Theatre and Speech (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 259 - HNRS: Proseminar: Philosophy (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 260 - HNRS: Proseminar in Philosophy (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 261 - HNRS: Proseminar in Religious Studies (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 262 - HNRS: Proseminar in Religious Studies (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 263 - HNRS: Proseminar in French (3 Credits)

Satisfies Track II requirement. The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 264 - HNRS: Proseminar in Spanish (3 Credits)

Satisfies Track II requirement. The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 265 - HNRS: Proseminar in German (3 Credits)

Satisfies Track II requirement. The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 266 - HNRS: Proseminar in Art (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 267 - HNRS: Proseminar in Music History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 268 - HNRS: Proseminar in Music History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 270 - HNRS: Proseminar in Engineering and Information Technology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 271 - HNRS: Proseminar in Engineering and Information Technology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 272 - HNRS: Proseminar in Journalism (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 273 - HNRS: Proseminar in Journalism (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 274 - HNRS: Proseminar in Business Administration (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 275 - HNRS: Proseminar in Business Administration (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 276 - HNRS: Proseminar in Public Health (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 277 - HNRS: Proseminar in Education (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 278 - HNRS: Proseminar in Pharmacy (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 279 - HNRS: Proseminar in Nursing (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 280 - HNRS: Interdisciplinary Proseminar in the Liberal Arts (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 281 - HNRS: Interdisciplinary Proseminar in the Liberal Arts (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 284 - HNRS: Interdisciplinary Proseminar in Science and Mathematics (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 285 - HNRS: Proseminar: Natural History of South Carolina (4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 300 - HNRS: Honors Domestic Study Away (3 Credits)

An honors study away course, designed with specific topics to be selected as need and interests dictate. Focus of study is situated in a U.S. location and is an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 301 - HNRS: Proseminar in Biology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 301L - HNRS: Biology Lab (1 Credit)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 302 - HNRS: Proseminar in Biology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 302L - HNRS: Biology Lab (1 Credit)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 303 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 304 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 305 - HNRS: Proseminar in Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 306 - HNRS: Proseminar in Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 307 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 308 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 309 - HNRS: Proseminar in Physics (4 Credits)

Open to students with sophomore standing. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 310 - HNRS: Proseminar in Physics (4 Credits)

Open to students with sophomore standing. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 311 - HNRS: Proseminar in Mathematics (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 312 - HNRS: Proseminar in Statistics (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 321 - HNRS: Proseminar in American History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 322 - HNRS: Proseminar in American History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 323 - HNRS: Proseminar in European History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 324 - HNRS: Proseminar in European History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 325 - HNRS: Proseminar in History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 326 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 328 - HNRS: Proseminar: History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 330 - HNRS: Proseminar in Psychology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 331 - HNRS: Proseminar in Sociology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 332 - HNRS: Proseminar in Anthropology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 333 - HNRS: Proseminar in Political Science (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 334 - HNRS: Proseminar in International Studies (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 335 - HNRS: Proseminar in Economics (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 337 - HNRS: Proseminar in Geography (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 350 - HNRS: Proseminar in American Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 351 - HNRS: Proseminar in British Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 352 - Proseminar in British Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 353 - HNRS: Proseminar in Comparative Literature (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 354 - HNRS: Proseminar in Creative Writing (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 355 - HNRS: Proseminar in Poetry (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 356 - HNRS: Proseminar in the Novel (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 357 - HNRS: Proseminar in the Drama (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 358 - HNRS: Proseminar in Theatre and Speech (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 359 - HNRS: Proseminar in Philosophy (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 360 - HNRS: Proseminar in Philosophy (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 361 - HNRS: Proseminar: Religious Studies (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 362 - HNRS: Proseminar in Religious Studies (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 363 - HNRS: Proseminar in French (3 Credits)

Satisfies baccalaureus requirement. The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 364 - HNRS: Proseminar in Spanish (3 Credits)

Satisfies baccalaureus requirement. The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 365 - HNRS: Proseminar: German (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 366 - HNRS: Proseminar in Art (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 367 - HNRS: Proseminar in Music History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 368 - HNRS: Proseminar in Theatre History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 370 - HNRS: Proseminar in Engineering and Information Technology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 371 - HNRS: Proseminar in Engineering and Information Technology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 372 - HNRS: Proseminar in Journalism (3 Credits)**SCHC 374 - HNRS: Proseminar in Business Administration (3 Credits)**

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 375 - HNRS: Proseminar in Business Administration (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 376 - HNRS: Proseminar: Hlth & PE (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 400 - HNRS: Honors Education Abroad (3 Credits)

An honors study away course, designed with specific topics to be selected as need and interests dictate. Focus of study is situated outside of a U.S. location and is an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 401 - HNRS: Proseminar in Biology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 401L - HNRS: Biology Lab (1 Credit)

Corequisite: SCHC 401.

SCHC 402 - HNRS: Proseminar in Biology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 402L - HNRS: Biology Lab (1 Credit)

Corequisite: SCHC 402.

SCHC 403 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 404 - HNRS: Proseminar in Chemistry (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 405 - HNRS: Proseminar in Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 406 - HNRS: Proseminar in Geology (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 407 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 408 - HNRS: Proseminar in Marine Science (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 409 - HNRS: Proseminar in Physics (4 Credits)

Open to students with sophomore standing. The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 410 - HNRS: Proseminar in Physics (4 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum. Open to students with sophomore standing.

SCHC 411 - HNRS: Proseminar in Mathematics (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 412 - HNRS: Proseminar in Mathematics (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 413 - HNRS: Proseminar in Chinese (3 Credits)

Specific topics to be selected as need and interests dictate. The course is an extensive study of a broad area or an intensive examination of a specific problem. Special permission by department.

SCHC 414 - HNRS: Proseminar in Italian (3 Credits)

Specific topics to be selected as need and interests dictate. The course is an extensive study of a broad area or an intensive examination of a specific problem. Special permission by department.

SCHC 415 - HNRS: Proseminar in Japanese (3 Credits)

Specific topics to be selected as need and interests dictate. The course is an extensive study of a broad area or an intensive examination of a specific problem. Special permission by department. Restricted to Honors College students.

SCHC 421 - HNRS: Proseminar in American History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 422 - HNRS: Proseminar in American History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 423 - HNRS: Proseminar in European History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 424 - HNRS: Proseminar in European History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 425 - HNRS: Proseminar in History (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 426 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 427 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 428 - HNRS: Proseminar in History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 430 - HNRS: Proseminar in Psychology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 431 - HNRS: Proseminar in Sociology (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 432 - HNRS: Proseminar in Anthropology (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 433 - HNRS: Proseminar in Political Science (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 434 - HNRS: Proseminar in International Relations (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 435 - HNRS: Proseminar in Economics (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 437 - HNRS: Proseminar: Geography (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 450 - HNRS: Proseminar in American Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 451 - HNRS: Proseminar in Pre-1660 British Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 452 - HNRS: Proseminar in Post-1660 British Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 453 - HNRS: Proseminar: Comparative Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 454 - HNRS: Proseminar in Writing (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 455 - HNRS: Proseminar in English Language and Linguistics (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 456 - HNRS: Proseminar: Criticism (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 457 - HNRS: Proseminar in Literature (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 458 - HNRS: Proseminar in Theatre and Speech (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 459 - HNRS: Proseminar in Philosophy (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 460 - HNRS: Proseminar in Philosophy (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 462 - HNRS: Proseminar in Religious Studies (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 463 - HNRS: Proseminar in French (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 464 - HNRS: Proseminar in Spanish (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 465 - HNRS: Proseminar in German (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 466 - HNRS: Proseminar in Art (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 467 - HNRS: Proseminar in Music History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 468 - HNRS: Proseminar in Theatre History (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 470 - HNRS: Proseminar in Engineering and Information Technology (3-6 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 471 - HNRS: Proseminar in Engineering (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 472 - HNRS: Proseminar in Journalism (3 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 474 - HNRS: Proseminar in Business Administration (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 475 - HNRS: Proseminar in Business Administration (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 476 - HNRS: Proseminar in Public Health (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 477 - HNRS: Proseminar in Education (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 478 - HNRS: Proseminar in Pharmacy (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 479 - HNRS: Proseminar in Nursing (3 Credits)

The following courses are offered infrequently and should not be considered a regular part of the SCHC curriculum.

SCHC 480 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 481 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 482 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 483 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 484 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 485 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 486 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 487 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 488 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 489 - HNRS: Interdisciplinary Proseminar (3-4 Credits)

Note: The following course is a proseminar, with specific topics to be selected as need and interests dictate. Generally limited to 18 students, it is either an extensive study of a broad area or an intensive examination of a specific problem.

SCHC 490 - HNRS: State Government Program: Seminar (3 Credits)

Extensive study of state government and various facets of public service in South Carolina for students enrolled in the South Carolina Honors College State Government Program. Additional topics may be included as specific needs and interests dictate. This is a required course for the South Carolina Honors College State Government Program.

SCHC 491 - HNRS: State Government Program: Internship (3 Credits)

Supervised internship experience in state government/public service and related academic coursework for students enrolled in the South Carolina Honors College State Government Program. This is a required course for the South Carolina Honors College State Government Program.

SCHC 492 - HNRS: South Carolina Washington Semester Program: Contemporary Issues in Politics (3 Credits)

Extensive study of contemporary issues in politics for students enrolled in the South Carolina Washington Semester Program and living in Washington D.C. Additional topics may be included as specific needs and interests dictate. This is a required course for the South Carolina Washington Semester Program.

SCHC 493 - HNRS: South Carolina Washington Semester Program: Internship (3-15 Credits)

Supervised, full-time internship experience, enrichment activities and related academic coursework for students enrolled in the South Carolina Washington Semester Program and living in Washington D.C. This is a required course for the South Carolina Washington Semester Program.

SCHC 494 - HNRS: Honors Internship (1-2 Credits)

Supervised internship experience and related academic coursework for students engaged in a short-term internship or micro-internship. Course is offered for variable credits, requiring 50 hours of work at internship site per credit hour.

SCHC 497 - HNRS: Undergraduate Research (3-15 Credits)

Student research supervised by a faculty member. Emphasis is on the development of critical thinking, appropriate research skills, and writing.

Graduation with Leadership Distinction: GLD: Research

SCHC 498 - HNRS: Honors Internship (3-15 Credits)

Prerequisite: Sophomore standing or above; Honors College; approval of honors dean required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

SCHC 499 - HNRS: Senior Thesis/Project (1-15 Credits)

Required of all students graduating with honors from South Carolina Honors College.

Graduation with Leadership Distinction: GLD: Research

School Leadership (EDLP)

EDLP 517 - Law and Policy Studies in Education (3 Credits)

Policy issues affecting public and private educational institutions across the PK-20 continuum (pre-school through higher education).

EDLP 520 - The Teacher as Manager (3 Credits)

To help teachers, principals, and other personnel solve school problems by identifying and applying selected management techniques.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

EDLP 525 - Resources for Teaching and Learning (3 Credits)

An introduction to educational technology, its increasing importance in the total school program, and its relationship to learning theories and communication.

EDLP 601 - The Effective Teacher (3 Credits)

Use of theory and research to understand and improve classroom teaching. Emphasis on teacher reflection and decision-making. The administrative role in enhancing effectiveness is highlighted.

EDLP 690 - Independent Study (1-3 Credits)

Sci, Tech, Engr, & Math (STEM)

STEM 101 - Concepts and Connections: An Introduction to Science, Technology, Engineering and Mathematics (3 Credits)

This course introduces concepts, connections, and evolving relationships among the sciences engineering and mathematics to strengthen understanding of current ideas and applications of advancing technologies.

Science and Math Educ (SMED)

SMED 510 - Life Science for Teachers I (3 Credits)

Topics appropriate for elementary and middle-school curricula; phylogenetic organization of major kingdoms, characteristics of plants and animals, including humans; ecological principles; communities; energy needs, resources, flow and balance; heredity and adaptation.

SMED 586 - Energy, Motion, and Matter (3 Credits)

Integrated study of the earth's atmosphere for pre-service and in-service middle school teachers combining concepts from earth, life, and physical science leading to an understanding of the interaction of all systems.

Prerequisites: introductory-level courses in life, earth, and physical sciences.

SMED 587 - Interdependence of Living Systems (3 Credits)

Integrated study of the biotic and abiotic environments combining life, earth, and physical science concepts to understand relationships in living systems. For pre-service and in-service middle school teachers.

Prerequisites: introductory-level courses in life, earth, and physical sciences.

SMED 588 - Origin and Evolution of Living and Non-Living Systems (3 Credits)

Study of the earth system for pre-service and in-service middle school teachers, with emphasis on the origin, evolution, and interactions of the subsystems of the earth system.

Prerequisites: introductory-level courses in life, earth, and physical sciences.

SMED 591 - Data Analysis for Teachers (3 Credits)

Introduction to statistics for elementary, middle, and high school teachers. The fundamentals of data collection, descriptive statistics, probability, and inference with special focus on methods of teaching statistical reasoning. For M.A.T. (excluding mathematics) / M.Ed. / M.T. and nondegree credit only. For M.A.T. (excluding mathematics) / M.Ed. / M.T. and nondegree credit only.

Cross-listed course: STAT 591

Secondary Education (EDSE)

EDSE 110 - Introduction to Careers in Education (3 Credits)

An individualized survey of careers in education, utilizing practica, seminars, and input from various disciplines to focus on personal and professional development. Pass-fail credit.

EDSE 111 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 210 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 211 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 310 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 311 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 312 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 399 - Independent Study (3-15 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

EDSE 410 - Practicum in Education (1 Credit)

A sequence of supervised practica in various educational settings. Seminars and group discussions included.

EDSE 446 - Secondary School Curriculum (3 Credits)

The organization, historical context, foundations for curriculum development, process of curriculum planning, design of the curriculum, and strategy of curriculum change in the secondary school. A laboratory experience in teaching media is included. Open only to juniors and seniors or graduates completing certification requirements.

EDSE 472 - Directed Teaching in High School (Business Education) (12 Credits)

ACAF 2.03: 07/05/2019.

EDSE 473 - Directed Teaching in High School (English) (12 Credits)

EDSE 475 - Directed Teaching in High School (History and Social Studies) (12 Credits)

EDSE 480 - Directed Teaching in High School (Distributive Education) (12 Credits)

EDSE 481 - Directed Teaching in High School (Science) (12 Credits)

EDSE 482 - Directed Teaching in High School (Health) (12 Credits)

EDSE 483 - Directed Teaching in High School (Theatre and Speech) (12 Credits)

EDSE 484 - Secondary Student Teaching Seminar (3 Credits)

Classroom management, discipline, legal responsibilities, multicultural perspectives, and needs of exceptional children.

EDSE 500 - Equity and Community Engagement (3 Credits)

Field-based inquiry into theories of critical multicultural education, culturally relevant and equity pedagogies with an emphasis on middle/high school students and engaging parents and the larger school community.

EDSE 502 - Teachers and Teaching (3 Credits)

Teaching as reflective and ethical practice. Professional standards, teacher leadership and school change, and various roles of professional educators.

EDSE 505 - Source Materials for Geographic Instruction (3 Credits)

Introduction to selected materials available for all levels of instruction in geography. Emphasis on the substantive nature of the materials.

Cross-listed course: GEOG 560

EDSE 508 - Teaching Middle and High School (Business Education) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school business education.

EDSE 528 - Study of the Teaching of Business Education in the Secondary School (3 Credits)

Teaching techniques and methodology related to the business education curriculum, emerging technology and software.

EDSE 547 - Teaching Middle and High School (English) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school English.

Prerequisites: Admission to MAT program for graduate students; EDSE 402 for undergraduate students.

EDSE 548 - Earth Science for Teachers I (3 Credits)

Origin, internal structure and internal processes of the earth, including plate tectonics, earthquakes, volcanoes, and mountain building. Required field trips, two lectures, and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Cross-listed course: GEOL 540

EDSE 549 - Earth Science for Teachers II (3 Credits)

Surface processes acting on the earth; introduction to weather and climate, weathering, erosion, and sedimentary processes; land form evolution; ocean currents and tides, near-shore geologic processes. Required field trips, two lecture, and three lab hours per week. Cannot be used in MS or PhD programs in geology.

Prerequisites: EDSE 548/GEOL 540.

Cross-listed course: GEOL 541

EDSE 550 - Teaching Middle and High School (Mathematics) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school mathematics.

EDSE 551 - Teaching Middle and High School (Health) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school health.

EDSE 552 - Teaching Middle and High School (Marketing Education) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school marketing education.

EDSE 553 - Teaching Middle and High School (Science) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school science.

EDSE 554 - Teaching Middle and High School (Theatre and Speech) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school theatre and speech.

EDSE 558 - Teaching Middle and High School (History and Social Studies) (3 Credits)

A study of methods, techniques, and materials of instruction in middle and high school history and social studies.

EDSE 575 - Teaching Foreign Languages in Secondary Schools (3 Credits)

Current methods, techniques, and materials of instruction appropriate for secondary schools.

Prerequisites: 210 level of a foreign language or its equivalent.

Cross-listed course: FORL 511

EDSE 580 - Teaching Advanced Latin in Secondary School (3 Credits)

Methods and materials for teaching the Latin Advanced Placement courses in secondary school.

Corequisite: LATN 580.

EDSE 584 - Middle and High School Internship Seminar (3 Credits)

Classroom management, service learning, legal/professional responsibilities, multicultural perspectives and needs of exceptional children.

Corequisite: Internship II.

EDSE 585 - Secondary Internship Seminar I (1 Credit)

Integration of content, pedagogy, and disposition knowledge learned during coursework with Internship I field experiences.

Corequisite: Students must be enrolled in the Internship I field experiences.

EDSE 586 - Secondary Internship Seminar II (2 Credits)

Integration of content, pedagogy, and disposition knowledge learned during coursework with Internship II field experiences.

Corequisite: Students must be enrolled in the Internship II field experiences.

EDSE 660 - Teaching Mathematics with Manipulatives, Grades 7-12 (3 Credits)

Methods and materials for using manipulative devices to teach middle and high school level mathematics.

EDSE 670 - Graphics Calculators in High School Mathematics (3 Credits)

Methods and materials for using graphics calculators to teach algebra, elementary functions, and analytic geometry.

EDSE 690 - Independent Study (1-3 Credits)

Soc Advoc & Ethical Life (SAEL)

SAEL 200 - Social Advocacy and Ethical Life (3 Credits)

Introduction to nature and relationship of ethics and oral forms of advocacy. Includes foundational training in ethical theory and its relevance to socio-political expression and training in the principles and performance of ethical oral communication, with emphasis on argumentation and audience engagement.

Carolina Core: CMS, VSR

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

Social Work (SOWK)

SOWK 201 - Introduction to Social Work (3 Credits)

This course introduces students to the history and contemporary context of the social work profession, including generalist practice and the role of advocacy. It emphasizes responses to current needs and changing contexts.

Graduation with Leadership Distinction: GLD: Community Service

SOWK 222 - Social Welfare Policies and Programs (3 Credits)

This course introduces students to the historical and current context of social welfare policies and programs in the United States, including examination of social inequalities and the processes of social policy development.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service

SOWK 303 - Social Work With Children, Youth, and Families (3 Credits)

This course introduces the context for social work with children, youth, and families as well as specific theories, policies, programs, and services. Areas examined include antipoverty policies and programs, child welfare, education, behavioral health, healthcare, disabilities, and juvenile justice.

Prerequisites: PSYC 101, SOCY 101, or SOWK 201.

SOWK 304 - Social Work With Older Adults and Families (3 Credits)

This course introduces students to the context for social work with older adults, as well as specific theories, policies, programs, and services. Areas examined include the aging process, health and wellness, behavioral health, sexuality, work and retirement, bereavement, living arrangements and housing options, and social programs and policies targeting older adults.

Prerequisites: PSYC 101, SOCY 101, or SOWK 201.

SOWK 305 - Gender, Race and Social Justice (3 Credits)

This course introduces anti-oppressive theoretical and applied approaches to understand and address intersections of gender and racial inequality. Social welfare policies and services available to women in contexts such as criminal justice, behavioral health, child welfare, and the military are examined.

Cross-listed course: WGST 306

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOWK 307 - Global Inequalities and Social Justice (3 Credits)

This course introduces students to global dimensions of social inequality, beginning with the historical roots of global social inequality and moving through contemporary themes relevant to international social work practice from an anti-colonial perspective. Topics examined include human rights, gender-based violence, global health, climate change, and immigration/displacement.

Prerequisites: PSYC 101, SOCY 101, or SOWK 201.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

SOWK 309 - Life Transitions: Loss and Grief (3 Credits)

This course will examine the grief and loss process that is part of everyday life. This course surveys the knowledge and skills of human service practice with people as they cope with life transitions.

Prerequisites: PSYC 101, or SOCY 101, or SOWK 201.

SOWK 311 - Foundations of Social Work Practice (3 Credits)

This course introduces students to the context and mission of social work. It emphasizes the interactions between personal and professional values, ethical and professional behavior, and beginning engagement and interpersonal skills.

Graduation with Leadership Distinction: GLD: Community Service

SOWK 312 - Social Work Practice with Individuals and Families (3 Credits)

This course introduces students to engagement, assessment, intervention, and evaluation with individuals and families. It includes specific models and techniques of practice with an emphasis on managing barriers to change, client strengths, and understanding diversity and difference in practice.

Prerequisites: C or better in SOWK 311.

SOWK 322 - Social Policy Analysis (3 Credits)

Knowledge, values, and skills for social work practitioners to analyze the political and ideological factors and outcomes of policy development, implementation, evaluation, and advocacy.

Prerequisites: SOWK 201, SOWK 222.

SOWK 331 - Diversity and Social Justice in Contemporary Society (3 Credits)

Builds cultural competency through awareness, understanding, and skill necessary for proactive functioning in our diverse society with populations considered vulnerable and oppressed.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOWK 341 - Theories for Understanding Individuals, Families, and Groups (3 Credits)

This course focuses on theories for understanding individual, family, and group behavior to better serve clients across settings. It emphasizes diversity, difference, and the advancement of human rights and social, economic, and environmental justice.

Prerequisites: C or better in SOWK 201.

SOWK 352 - Social Work and Scientific Inquiry (3 Credits)

Foundational knowledge and skills for scientific inquiry and the use of quantitative and qualitative research to inform evidence-based practice.

Prerequisites: SOWK 201, SOWK 222 and select one course from the following: STAT 201 or higher, PSYC 227 or SOCY 220.

SOWK 360 - Refuge and Refugees (3 Credits)

This course provides students with foundational knowledge about forced migration and the institutions of humanitarian aid that address forced migration. Students will learn about global theories of forced migration, humanitarian aid policy, empirical studies of humanitarian aid, refugee resettlement, and displacement, and evaluate biographies and literature on forced migration.

SOWK 368 - Special Topics in Social Work (3 Credits)

An in-depth study of selected issues and social concerns related to being a generalist social worker. Content varies by title.

SOWK 382 - Introduction to Field Education (3 Credits)

An initial application of generalist social work skills and theories taught in a controlled and planned classroom setting.

Prerequisites: C or better in SOWK 311.

Graduation with Leadership Distinction: GLD: Community Service
Experiential Learning: Experiential Learning Opportunity

SOWK 399 - Independent Study (3 Credits)

Requires permission of the department.

Graduation with Leadership Distinction: GLD: Research

SOWK 404 - Current Issues in Social Welfare (3 Credits)

A project-type study of selected issues, social concerns, and applications of behavioral implications for practice. May be repeated for credit when the topics covered or subject matter is different.

SOWK 411 - Social Work Practice with Groups (3 Credits)

This course introduces students to engagement, assessment, intervention, and evaluation with treatment and task groups. It includes specific models and techniques of practice with an emphasis on group practice with diverse populations across practice settings.

Prerequisites: C or better in SOWK 312.

SOWK 412 - Social Work Practice with Organizations and Communities (3 Credits)

This course introduces students to engagement, assessment, intervention, and evaluation with organizations and communities. It includes specific models and techniques of practice with an emphasis on diversity, difference, and the advancement of human rights and social, economic, and environmental justice.

Prerequisites: C or better in SOWK 411.

Prerequisite or Corequisite: SOWK 441.

SOWK 422 - Advocacy for Social and Economic Justice (3 Credits)

Knowledge and skills embedded in values of social and economic justice for all people across systems of all sizes that are essential in generalist practice.

Prerequisites: SOWK 322.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOWK 441 - Theories for Understanding Organizations and Communities (3 Credits)

This course focuses on theories for understanding large social systems to better serve clients across settings. It emphasizes diversity, difference, and the advancement of human rights and social, economic, and environmental justice.

SOWK 481 - Practicum I: Field Education (3 Credits)

Application of skills and theories taught in the classroom in a controlled and planned setting.

Corequisite: SOWK 483.

Prerequisite or Corequisite: SOWK 322.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

SOWK 482 - Practicum II: Field Education (3 Credits)

Further application of the generalist social work skills and theories taught in the classroom in a controlled and planned setting.

Prerequisite or Corequisite: SOWK 412, SOWK 422, SOWK 484.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

SOWK 483 - Practicum Seminar (3 Credits)

Taken with the field practicum, this seminar facilitates student's integration of generalist practice knowledge with practice in a field agency.

Prerequisites: SOWK 382.

Corequisite: SOWK 481.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

SOWK 484 - Capstone (3 Credits)

Competent generalist social work practice demands integration of a wide range of theories, knowledge, skills, and values. This course is designed to draw on all previous courses and to engage students in integrating and applying all that they have learned.

Corequisite: SOWK 482.

SOWK 668 - Special Topics in Social Work (1-3 Credits)

Study of special populations, settings, and/or problems encountered by social workers and other human service professionals, and interventions and skills for dealing with them. May be repeated as content varies by title.

SOWK 678 - Transforming Health Care for the Future (1 Credit)

Foundation for beginning health professions students to gain an understanding of the complexities of the health care system through experiential activities conducted in interprofessional teams and the importance of interprofessional collaboration in order to improve the system.

Cross-listed course: PUBH 678

SOWK 679 - Addressing Childhood Obesity through Community Approaches (2 Credits)

Approaches for prevention of childhood obesity, using perspectives from public health, social work, exercise science, pharmacy, medicine, and behavioral nutrition. Training to teach diet/physical activity lessons in elementary school settings.

Cross-listed course: HPEB 679

Sociology (SOCY)

SOCY 101 - Introductory Sociology (3 Credits)

An introduction to sociological facts and principles: an analysis of group-making processes and products.

Carolina Core: GSS

SOCY 300 - Social Structures (3 Credits)

Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to social structures.

SOCY 301 - Sex and Gender (3 Credits)

Offers a sociological lens to develop critical ways of thinking about sex and gender as social processes in everyday lives. This course considers how sex and gender shape and affect the experiences of women, men, girls, boys, and individuals who live in the spaces in-between (those who are intersex or transgender) across a wide range of social institutions (family, work, education, politics, etc.).

Prerequisites: SOCY 101.

Cross-listed course: WGST 300

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 304 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Prerequisites: SOCY 101.

Cross-listed course: POLI 305, WGST 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 305 - Sociology of Families (3 Credits)

Sociological perspectives related to various aspects of family behaviors, roles, and values.

Prerequisites: SOCY 101.

Cross-listed course: WGST 305

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 307 - Sociology of Religion (3 Credits)

Sociological perspectives related to selected aspects of religious behavior. Includes references to non-Western religions.

Cross-listed course: RELG 338

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 308 - Community Organization (3 Credits)

An analysis of formal and informal organization, the interrelationships among public and private agencies, and means through which community action programs are initiated, coordinated, and maintained.

Graduation with Leadership Distinction: GLD: Community Service, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 309 - An Introduction to Social Inequality (3 Credits)

A sociological analysis of the distribution of wealth and income in selected societies.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 310 - Social Demography (3 Credits)

Introduction to key areas of population studies. Methodological approaches, time trends, regional differences, and contemporary policy issues.

Carolina Core: GSS

SOCY 311 - Ecology of Human Social Systems (3 Credits)

Relationships among and changes in populations, social organization, technology, and the environment.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 312 - Bureaucracy and Modern Society (3 Credits)

Bureaucracies in the public and private sector, their internal dynamics and relationship to the social environment.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 313 - Sociology of Aging (3 Credits)

Analysis of aging as a process of socialization and the status of older people in society, their roles in the community, demographic aspects of aging, and the impact of aging upon social institutions.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 315 - Global Population Issues (3 Credits)

Overview of global population history, theory, statistics, and issues related to recent population trends.

Graduation with Leadership Distinction: GLD: Global Learning

SOCY 320 - Individual and Society (3 Credits)

Selected theoretical orientations, methodological procedures, and illustrative substantive data pertaining to the relations between the individual and society.

SOCY 322 - Sociology of Suicide (3 Credits)

An introductory survey of the social aspects of suicidal behaviors and attitudes.

SOCY 323 - Sociology of Deviant Behavior (3 Credits)

Theories, methodology, and substantive issues in the study of social deviance.

SOCY 325 - Sociology of Childhood (3 Credits)

A consideration of the child in the family group, play group, school group, and community.

SOCY 326 - Sociology of Adolescence (3 Credits)

Sociological perspectives and research findings related to adolescence.

SOCY 330 - Sociology of the Paranormal (3 Credits)

A critical examination of factors that lead to the widespread acceptance of paranormal claims.

Prerequisites: SOCY 101.

SOCY 340 - Introduction to Social Problems (3 Credits)

Contemporary social issues such as poverty, health, the criminal justice system, globalization and the environment, their causes and possible solutions.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

SOCY 350 - Juvenile Delinquency (3 Credits)

Social factors in the development, identification, and treatment of delinquents.

Prerequisites: SOCY 101.

Cross-listed course: CRJU 351

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 351 - Urban Sociology (3 Credits)

Analysis of urban trends, characteristics, and functions of cities with reference to the social psychological factors in urban living. Attention is directed to the emergence of urbanism in the United States, with particular reference to the Southern region, and to institutions, problems, and city planning.

SOCY 353 - Sociology of Crime (3 Credits)

Social factors in the development, identification, and treatment of criminals.

Prerequisites: SOCY 101.

Cross-listed course: CRJU 341

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 354 - Collective Behavior (3 Credits)

An analysis of crowds, publics, social movements, and the mass society in terms of their institutional and social psychological consequences.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SOCY 355 - Race and Ethnic Relations (3 Credits)

Theoretical and empirical approaches related to race/ethnicity and the current state of race relations in America, with some attention to global issues.

Cross-listed course: AFAM 355

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SOCY 356 - Sociological Perspectives on Poverty in the U.S. (3 Credits)

This is a course about the demographics, measurement, ideologies, and theories of U.S. poverty.

SOCY 357 - Sociology of Education (3 Credits)

Analysis of educational institutions, organizations, processes, and their effects in contemporary society.

Cross-listed course: EDFI 357

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 360 - Sociology of Medicine and Health (3 Credits)

Health and illness in relation to social institutions. The organization and professionalization of medicine and social barriers to medical care.

SOCY 368 - Society through Visual Media (3 Credits)

Analysis of social phenomena and sociological questions through various forms of media, including films, TV, photography, and other visual media.

Prerequisites: SOCY 101.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 370 - Sociology of Sport (3 Credits)

Theories, methods, and substantive issues in the study of sport in contemporary societies.

SOCY 391 - Sociological Research Methods (3 Credits)

Qualitative and quantitative methods of sociological research.

SOCY 392 - Elementary Statistics for Sociologists (3 Credits)

An introduction to concepts and application of quantitative methods, including descriptive and inferential statistics. Emphasis on analysis of empirical sociological data.

SOCY 393 - Sociological Theory (3 Credits)

Examination of key ideas from classical, modern, and contemporary sociological theories.

SOCY 398 - Topics in Sociology (3 Credits)

Reading and research on selected sociological topics. Course content varies and will be announced in the schedule of classes by title.

SOCY 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

SOCY 500 - Social Networks (3 Credits)

Analysis of personal, social and organizational networks, their structural patterns, practical consequences, and principles of formation and change.

SOCY 502 - Political Sociology (3 Credits)

Theory and research concerning the interrelationship between the polity and social structures.

SOCY 503 - Family and Social Stratification (3 Credits)

An analysis of the contemporary American family emphasizing social stratification, mobility, occupations, and urbanization.

SOCY 504 - Social Stratification (3 Credits)

Theory and research in social stratification.

SOCY 505 - Social Structures in Communities (3 Credits)

Interrelationships of major social structures within communities.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 506 - Social Organizations (3 Credits)

Selected theoretical orientation, methodological procedures, and illustrative substantive issues pertaining to organizations.

SOCY 507 - Sociology of Social Control (3 Credits)

Theories and issues relating to the definition of and response to crime and/or deviance.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 509 - Advanced Social Structures (3 Credits)

The analysis of core methodological and substantive issues in the study of social structures.

SOCY 510 - Life Course Demographics (3 Credits)

People's demographic lives, structural contexts, and social change.

Emphasis on the socioeconomic context in which lives unfold.

Prerequisites: SOCY 310.

SOCY 511 - Sociology of Mental Health (3 Credits)

Social factors in the development, identification, and treatment of mental illness.

SOCY 512 - Internal and International Migration (3 Credits)

A survey of methods of analysis and research findings with emphasis on the social and economic concomitants of internal migration. Cultural, economic, and historical aspects of international migration. Effects of governmental policies on immigration and emigration. Examination of selected countries.

SOCY 514 - Urbanization (3 Credits)

Analysis of urbanization using contemporary and historical data from developing societies. The demographic components of metropolitan growth and the changing structure of metropolitan communities.

SOCY 515 - Scientific Methods and Sociological Inquiry (3 Credits)

Introduction to methods used to answer theoretical, empirical, and practical sociological questions, including scientific inquiry and research design.

SOCY 520 - Advanced Social Psychology (3 Credits)

Advanced survey of social psychological perspectives and research on inequality, discrimination, power and status, cooperation and collective action, social norm and morality, networks and relationships.

SOCY 521 - Small Group Analysis (3 Credits)

A behavioral analysis of small groups.

SOCY 522 - Power and Authority Structures in Groups (3 Credits)

An exploration of theoretical perspectives, methodological approaches, and substantive issues in the study of interpersonal power and authority.

SOCY 523 - Social Processes of Deviance Control (3 Credits)

A systematic analysis of the interrelation among the creation, involvement, recognition, and control of deviance.

SOCY 524 - Interpersonal Behavior in Families (3 Credits)

Social psychological perspectives on family behavior.

SOCY 525 - Selves and Social Transaction (3 Credits)

A systematic analysis of interrelationships among social acts, selves, roles, transactions, and language.

SOCY 540 - Sociology of Law (3 Credits)

Review of theoretical and empirical developments in the sociology of law, including classical and modern sociological theories of law and selected sociological themes of law in various social settings.

SOCY 550 - Sociology of Science (3 Credits)

Interrelationships among society, culture, and contemporary science.

SOCY 557 - Sociology of Education and Inequality (3 Credits)

Advanced inquiry into the relationship between education and inequality.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy

SOCY 560 - Advanced Sociological Theory (3 Credits)

Theoretical perspectives on society and social behavior.

SOCY 561 - Real World Research Experience (3 Credits)

Design and conduct of original research using sociological research methods to meet Carolina Core Integrative course requirement for the BA and the BS.

Prerequisites: C or better in SOCY 101, SOCY 391, SOCY 392.

Experiential Learning: Experiential Learning Opportunity

SOCY 562 - Advanced Sociological Research Methods (3 Credits)

Advanced survey of methods used in sociological research.

SOCY 598 - Selected Topics (3 Credits)

Readings and research on selected sociological topics. Course and content varies and will be announced in the schedule of classes by title.

Prerequisites: SOCY 101.

SOCY 599 - Advanced Independent Study (3-6 Credits)

Advanced Independent study. Contract approved by instructor, advisor, and department chair is required.

Prerequisites: SOCY 101.

SOCY 698 - Special Topics (3 Credits)

Reading and research.

Prerequisites: SOCY 101.

Southern Studies (SOST)

SOST 101 - The Literary South (3 Credits)

Principles, practices, and contexts of major literary works of the American South.

Carolina Core: AIU

SOST 298 - Topics in the American South (3 Credits)

Reading and research on selected interdisciplinary topics in Southern Studies. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit under a different title.

SOST 299 - Topics in South Carolina (3 Credits)

Reading and research on selected interdisciplinary topics about South Carolina. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit under a different title.

SOST 301 - Introduction to Southern Studies 1580-1900 (3 Credits)

Examination of major social and cultural developments of American South from early exploration to 1900.

SOST 302 - Introduction to Southern Studies: The Twentieth Century (3 Credits)

An topical examination of the American South ranging from Reconstruction to the Civil Rights Movement.

Carolina Core: GHS

Graduation with Leadership Distinction: GLD: Research

SOST 305 - The Contemporary South (3 Credits)

An investigation of Southern regional identity.

SOST 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and program director is required for undergraduates.

Graduation with Leadership Distinction: GLD: Research

SOST 405 - Topics in Southern Studies (3 Credits)

Reading and research on selected topics in Southern studies. Course content varies and will be announced in the schedule of classes by title.

Graduation with Leadership Distinction: GLD: Research

SOST 500 - Topics in the American South (3 Credits)

Selected topics related to the study of the American South. Course content varies and will be announced in the schedule of classes by title. May be repeated for credit as topics vary.

Spanish (SPAN)

SPAN 109 - Beginning Spanish I (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have never studied Spanish or placed by examination into SPAN 109. Credit may be received only for one of the following: SPAN 109, SPAN 110; SPAN 111; or SPAN 121.

Carolina Core: GFL

SPAN 110 - Beginning Spanish II (3 Credits)

Introduction to grammar and practical vocabulary necessary for fundamental communication skills. Restricted to those who have completed SPAN 109. Credit may be received only for one of the following: SPAN 109, SPAN 110; SPAN 111; or SPAN 121.

Carolina Core: GFL

SPAN 111 - Intensive Beginning Spanish (6 Credits)

Intensive introduction to grammar and practical vocabulary necessary for fundamental communication skills. Admission only to highly motivated beginning students who obtain the permission of the department. Credit may be received only for one of the following: SPAN 109, SPAN 110, SPAN 111, or SPAN 121.

Carolina Core: GFL

SPAN 121 - Elementary Spanish (3 Credits)

Grammar and vocabulary necessary for fundamental communication skills. Assumes prior experience in Spanish. Admission only by proficiency examination. Credit may be received for only one of the following: SPAN 109, SPAN 110, SPAN 111, or SPAN 121.

Carolina Core: GFL

SPAN 122 - Basic Proficiency in Spanish (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills.

Prerequisites: SPAN 109, SPAN 110, SPAN 111, or SPAN 121 or by placement examination.

Carolina Core: GFL

SPAN 209 - Intermediate Spanish I (3 Credits)

Further development of listening, speaking, reading, and writing skills. Use of authentic cultural materials.

Prerequisites: C or better in SPAN 122 or by Placement Exam.

SPAN 210 - Intermediate Spanish II (3 Credits)

Continued development of the four skills practiced in SPAN 209.

Prerequisites: C or better in SPAN 209 or by Placement Exam.

SPAN 211 - Intensive Intermediate Spanish (6 Credits)

Further development of listening, speaking, reading, and writing skills. Designed for highly motivated students. Credit not awarded for both SPAN 209-SPAN 210 and SPAN 211.

Prerequisites: SPAN 122 or placement at 209 level on Phase II placement exam.

SPAN 220 - Selected Works of Hispanic Literature in English Translation (3 Credits)

Selected major works, especially contemporary works, in all genres of Hispanic literature in English translation.

Carolina Core: AIU

SPAN 301 - Service Learning in Spanish (1-3 Credits)

Contract approved by instructor, director, and department chair required. May be repeated. Maximum of 3 hours may apply towards major or minor.

Prerequisites: SPAN 210.

SPAN 302 - Advanced Spanish (3 Credits)

In-depth study of advanced grammatical structures of Spanish to develop proficiency in all 4 skills and cultural competency. Gateway course for Spanish majors.

Prerequisites: B or better in SPAN 210, SPAN 211 or SPAN 230 or by placement.

SPAN 303 - Cultural Readings and Advanced Composition (3 Credits)

Development of advanced composition skills in Spanish on a variety of topics related to cultural production of the Spanish-speaking world.

Prerequisites: C or better in SPAN 302 or by placement.

SPAN 304 - Cultural Readings and Advanced Conversation (3 Credits)

Cultural readings about the Spanish-speaking world, and advanced speaking skills practice through various strategies such as group discussions, debates, presentations.

Prerequisites: C or better in SPAN 302 or by placement.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 305 - Working with Hispanic Clients (3 Credits)

Crosscultural approaches to interactions with persons of Hispanic origin in a variety of professional settings. Readings, speakers, media. Taught in Spanish. Departmental permission required for transfer students.

Prerequisites: B or better in SPAN 210 or SPAN 211; placement at 300 level on Phase II placement exam.

Cross-listed course: LASP 305

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning

SPAN 311 - Spanish for Heritage Speakers (3 Credits)

Intensive grammar practice, enhancement of reading and writing skills for individuals raised in a Spanish-speaking household but with little or no formal Spanish instruction. Restricted to heritage speakers, as defined in Bulletin description.

Prerequisites: Placement by Phase II Exam.

SPAN 312 - Introduction to Reading Hispanic Literary Texts (3 Credits)

Approaches to reading literary texts through carefully selected readings from different genres.

Prerequisites: SPAN 303 or by placement. D or better for non-Spanish majors. C or better for Spanish majors and minors.

SPAN 316 - Business Spanish (3 Credits)

Commercial organizations and business in Spanish-speaking countries, business correspondence, terminology, and techniques in commercial transactions. Standardized examinations available such as the Certificado de la Camara de Comercio de Madrid.

Prerequisites: C or better in SPAN 302 or by placement.

SPAN 317 - Spanish Phonetics and Pronunciation (3 Credits)

Analysis of and practice in pronunciation, listening comprehension, and dialect recognition based on study of the speech sounds, combinations, patterns, and processes of Spanish phonetics and phonology.

Department permission required for transfer students.

Prerequisites: C+ or better in SPAN 302; placement at 300 level of Phase II placement exam.

Cross-listed course: LING 314

SPAN 350 - Spanish Language Study Abroad (3 Credits)

Intensive language practice in native environment with emphasis on oral skills. Instruction by native speakers; community contact, and home stay. May be repeated once for credit. Restricted to participants of the USC Spanish Summer Global Classroom Program.

SPAN 360 - Spanish for Healthcare Professionals (3 Credits)

Health professionals' functional and lexical language ability, cultural information, etiquette and protocol necessary to interact with Spanish speakers.

Prerequisites: SPAN 302 or by placement.

SPAN 375 - Special Topics in Hispanic Literature (3 Credits)

Course content treating cultural and literary themes varies.

Prerequisites: C or better in SPAN 303 or by placement.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPAN 376 - Special Topics in Hispanic Language and Culture (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: C or higher in SPAN 302; Placement Exam score of SD or S7.

SPAN 380 - The Cinema of Spain (3 Credits)

Investigation of Spanish cultures through the study of its films and the cinematic medium.

Prerequisites: SPAN 303 or by placement.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning

SPAN 381 - The Cinema of Latin America (3 Credits)

Investigation of Latin American cultures through the study of films and the cinematic medium.

Prerequisites: Placement at 300 level on Phase II placement exam, grade of C+ or better in SPAN 303, or consent of instructor. Department permission required for transfer students.

SPAN 398 - Special Topics in Hispanic Studies (3 Credits)

Intensive study of selected topics of the Hispanic world. Taught in English.

SPAN 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students. Department permission required for transfer students.

Prerequisites: B or better in SPAN 210 or SPAN 211; Placement at 300 level on Phase II placement exam.

Graduation with Leadership Distinction: GLD: Research

SPAN 400 - Spanish Culture (3 Credits)

Survey of the cultures of Spain via readings, visual culture, and discussion.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 401 - Latin American Culture (3 Credits)

Survey of the cultures of Latin America via readings, visual culture, and discussion.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

SPAN 404 - Spanish Literature (3 Credits)

A survey of literature, such as novels, short stories and poems, from Spain.

Prerequisites: C or better in SPAN 312.

SPAN 405 - Latin American Literature (3 Credits)

A survey of literature, such as novels, short stories and poems, from Latin America.

Prerequisites: SPAN 312.

SPAN 417 - Advanced Spanish for Business and the Professions (3 Credits)

Vocabulary, concepts, and oral/written skills necessary to communicate effectively in the social, cultural, or economic infrastructure of Hispanic countries. Introduction to the use of technology for the acquisition and processing of materials relevant to students' professional goals.

Prerequisites: SPAN 316.

SPAN 475 - Advanced Special Topics in Hispanic Literature (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: D or better in SPAN 312 or by placement.

SPAN 476 - Advanced Special Topics in Hispanic Language and Culture (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title. This course will be taught in Spanish.

Prerequisites: D or better in SPAN 303 or by placement.

SPAN 498 - Advanced Special Topics in Hispanic Studies (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title. Taught in English.

SPAN 499 - Senior Seminar (3 Credits)

A special seminar devoted to the in-depth study of selected subjects in Hispanic literature, culture, or language. Required for the intensive major in Spanish.

Prerequisites: 3.00 GPA; 18 hours of 300-level Spanish.

Graduation with Leadership Distinction: GLD: Research

SPAN 500 - Contemporary Spain (3 Credits)

Analysis and discussion of 20th-century Spanish history and the sociocultural forces that have contributed to define this country's national identity. Taught in Spanish.

Prerequisites: SPAN 303 for Undergraduates, Phase II placement exam above SPAN 303.

Graduation with Leadership Distinction: GLD: Global Learning

SPAN 501 - Contemporary Latin America (3 Credits)

Analysis and discussion of contemporary Latin American history and the sociocultural forces that have contributed to define this area's national identities. Taught in Spanish.

Prerequisites: Placement at 300-level on Phase II placement exam or C or better in SPAN 303. Department permission required for transfer students.

SPAN 513 - Introduction to Professional and Technical Translation (3 Credits)

Introduction to translation and practice of skills required for professional and technical Spanish/English translation.

Prerequisites: SPAN 409.

SPAN 515 - Introduction to Spanish Linguistics (3 Credits)

Phonology, morphology, and syntax of modern Spanish.

Prerequisites: C or better in SPAN 303.

Cross-listed course: LING 504

SPAN 516 - The Structure of Modern Spanish (3 Credits)

Description of the grammatical structures of Modern Spanish. Intensive study of the theory and practice of word formation and sentence structure of Spanish.

Cross-listed course: LING 554

SPAN 517 - Contrastive English-Spanish Phonetics and Phonology (3 Credits)

Introduction to the study of phonetics and phonology and their application to the sounds and sound systems of English and Spanish. Includes transcription practice and discussion of relevance to teaching.

Cross-listed course: LING 514

SPAN 518 - Introduction to Spanish Medieval Literature (3 Credits)

Survey of Spanish literature from its first manifestations to La Celestina. Introduction; early works; the epic; 13th- through 15th-century prose and verse; Berceo, Alfonso X, Juan Ruiz, Marques de Santillana; others.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 524 - Renaissance and Golden Age Literature (3 Credits)

Survey of the works of Garcilaso, the Spanish mystics, Lope, Quevedo, Tirso, Calderon, Gongora and others.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 534 - Nineteenth-Century Spanish Literature (3 Credits)

Survey of the works of the major literary figures of the period.

Prerequisites: SPAN 312 for undergraduates.

SPAN 538 - Twentieth-Century Spanish Literature (3 Credits)

Survey of major peninsular writers from the Generation of '98 to the present.

Prerequisites: SPAN 312 for Undergraduates.

SPAN 541 - Colonial Spanish-American Literature to Neoclassicism (3 Credits)

Survey of pre-Columbian poetry and of texts dating from the time of Columbus to the end of the Colonial period.

Cross-listed course: LASP 541

SPAN 543 - Spanish-American Literature from the Independence Through Modernism (3 Credits)

Survey of the most significant works of the Independence through Modernism.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 550 - Advanced Language Study Abroad (3 Credits)

Intensive language practice in native environment with special emphasis on oral skills. Instruction by native speakers; extensive community contact and home stay. Prior placement test required.

SPAN 555 - Spanish-American Literature from Modernism Through 1960 (3 Credits)

Survey of the most significant works of this period.

Prerequisites: C or better in SPAN 312 for undergraduates.

SPAN 557 - Contemporary Spanish-American Literature (3 Credits)

Survey of the most significant works from 1960 to the present.

Cross-listed course: LASP 471

SPAN 575 - Special Topics in Spanish (3 Credits)

Course content varies and will be announced in the schedule of classes by title. May be repeated as content varies by title.

Prerequisites: D or better in SPAN 312 or graduate standing.

SPAN 615 - Intensive Readings in Spanish (3 Credits)

Intensive reading for non-majors. Graduate students fulfill their foreign-language requirement with successful completion of the course.

Undergraduates may take the course as an elective only by permission.

Speech (SPCH)

SPCH 140 - Public Communication (3 Credits)

Introduction to theory and practice of oral communication in public, social, and institutional contexts. Includes foundational and cumulative training in the invention, performance, and critical analysis of oral communication, with emphasis on argumentation, persuasion, audience analysis, delivery, and ethical forms of engagement.

Carolina Core: CMS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 145 - Online Public Communication (3 Credits)

Introduction to theory and practice of live and recorded online spoken communication in public, social, and institutional contexts. Training in invention, performance, and critical analysis of online spoken communication, including audience analysis, persuasion, delivery, and ethical engagement. Includes significant practice in preparing and presenting live online public communication.

Carolina Core: CMS, INF

SPCH 150 - Public Speaking Anxiety Reduction (1 Credit)

Exercises and techniques to reduce and manage public speaking anxiety. Ideally taken concurrently with any course that requires multiple presentations.

SPCH 201 - Popular Communication and Public Culture (3 Credits)

Examination of historical and popular communication conflicts, texts, and events. Offers an introduction to critical concepts and analysis of public speech, rhetoric, and cultural discourse.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 213 - Communicating Moral Issues (3 Credits)

Moral issues confronting men and women in contemporary society and the challenges of communicating effectively about them. Topics will vary but may include access to health care, euthanasia, abortion, same sex marriage and the moral and environmental consequences of eating animals.

Cross-listed course: PHIL 213

Carolina Core: CMS, VSR

SPCH 230 - Business and Professional Speaking (3 Credits)

Fundamentals of oral communication within business and professional settings. Includes performance.

Carolina Core: CMS

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 260 - Argumentation and Debate (3 Credits)

Preparing and delivering the debate. Academic debate serves as a model.

Carolina Core: CMS

SPCH 330 - Small Group Communication (3 Credits)

The development of the skills and methods of effective participation in teams, committees, and other small groups.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 331 - Organizational Communication (3 Credits)

Examines communication behavior and networks within organizations through the study of major theories of organizational communication, identifies and defines primary concepts, and applies them to organizational scenarios and case studies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 340 - Literature and Performance (3 Credits)

Introduction to the study of literature through performance; reading, analysis, and performance of prose, poetry, nonfiction, and drama.

Cross-listed course: THEA 340

SPCH 380 - Persuasive Communication (3 Credits)

Analysis of the process and functions of persuasive communication.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 387 - Introduction to Rhetoric (3 Credits)

Theories of human communication useful for understanding and informing the everyday work of writers. Emphasis on intensive analysis and writing.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: ENGL 387

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

SPCH 411 - Arguments in Cultural Studies (3 Credits)

The study of texts and discourse from contemporary culture drawing from concepts such as politics, television, music, and other popular culture and entertainment.

SPCH 441 - Rhetorical Criticism (3 Credits)

Interpretation and evaluation of communication texts and events such as speeches, media, and social movements. Employs a variety of critical methods and approaches.

SPCH 448 - Contemporary Political Rhetoric (3 Credits)

Analysis and evaluation of speeches, political campaigns and controversies over political representation and recognition. Focus on case studies that illustrate the role of speech-making in political campaigns. Offered only in fall semesters in which national elections are held.

SPCH 463 - Great Debates (3 Credits)

A study of debates at the Constitutional Convention, Lincoln-Douglas debates (1858), vice presidential and presidential debates, and other national debates.

SPCH 464 - Speechwriting (3 Credits)

An exploration of the process of advanced policy advocacy emphasizing speechwriting strategies, issues management, and systematic advocacy campaigns.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPCH 470 - Rhetoric of Science and Technology (3 Credits)

Rhetorical study of science and technology in contemporary culture, emphasizing the ways scientific texts and technologies make their persuasive appeals.

Prerequisites: ENGL 101, ENGL 102.

Cross-listed course: ENGL 470

SPCH 471 - Rhetoric and the Ancient Roots of Modern Life (3 Credits)

Classical rhetoric and its ongoing influence in the modern world, emphasizing how the study and use of language in ancient Greece and Rome continue to shape modern communication.

Cross-listed course: CLAS 471, ENGL 471

SPCH 472 - Rhetoric and Popular Culture (3 Credits)

Rhetorical study of popular culture, using the methods and theories of cultural analysis to examine how various popular cultural forms work as persuasion.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: ENGL 472

SPCH 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Prerequisites: ENGL 101 and ENGL 102.

Cross-listed course: ENGL 485, WGST 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPCH 486 - African-American Rhetoric (3 Credits)

African-American rhetoric as manifested in speeches, essays, and other rhetorical artifacts.

Cross-listed course: AFAM 486, ENGL 486

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

SPCH 499 - Special Topics in Speech (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

Graduation with Leadership Distinction: GLD: Research

SPCH 543 - Communication, Law, and Society (3 Credits)

Examines the role of communication in legal and judicial contexts. Focus on case studies that illustrate the theoretical and practical significance of rhetoric in the work of the courts, lawyers, and public advocacy groups.

Sport & Entertnmnt Mgmt (SPTE)

SPTE 101 - The Student-Athlete Experience (3 Credits)

Examination of the functions and resources the university provides for students transitioning to college and the problems common to the first-year student-athlete experience.

SPTE 110 - Sport and Entertainment in American Life (3 Credits)

The American sport and entertainment enterprise: background, influences, and trends; collegiate and professional sport organizations; ownership and unionization; media portrayals.

SPTE 195 - Sport and Entertainment Careers (0 Credits)

Introduction of networking, interviewing, and career planning in the sport and entertainment industry.

SPTE 201 - Introduction to Sport Management (3 Credits)

Introduction to sport management industry career fields.

SPTE 202 - Introduction to Live Entertainment Management (3 Credits)

The study of underlying themes in entertainment management and its application to music, family shows, and other live entertainment business venues.

SPTE 203 - Introduction to Event and Venue Management (3 Credits)

An overview of the history, impact, types, and trends of events and venues, the principles of event planning, the role of venues, and career options in each field.

SPTE 240 - Business Law (3 Credits)

Formation of contracts and their operation as they apply to business; promissory notes and checks; agency and employment.

SPTE 274 - Computer Applications in Hospitality, Retail, and Sport Management (3 Credits)

Administrative tasks for computer usage, including software and hardware selection, applications, and solutions.

SPTE 295 - Internship I in Sport and Entertainment Management (6 Credits)

Supervised work experience in a sport or entertainment management area selected by the student with approval of advisor. Contract approved by advisor or department chair is required for undergraduate students.

Prerequisites: SPTE 195, SPTE 201, SPTE 202, SPTE 203, SPTE 274 and MKTG 350.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

Experiential Learning: Experiential Learning Opportunity

SPTE 302 - Artist Representation and Management (3 Credits)

This course focuses on the role of the manager in the entertainment industry and his or her relationships with artists, agents, buyers and industry executives.

Prerequisites: SPTE 202.

SPTE 303 - Live Entertainment Tour Management (3 Credits)

This course puts a fine point on performance tour management logistics, including booking, scheduling, shipping, budgeting, movement of equipment, and artist management challenges, including entertainment production.

Prerequisites: SPTE 202.

SPTE 305 - The Business of NASCAR (3 Credits)

The course is designed to present an overall view of the NASCAR industry through a series of guest speakers, who are subject matter experts in their respective NASCAR-related fields.

SPTE 310 - Collegiate Athletics (3 Credits)

Students are provided with an overview of college athletics. Though the course will cover the NJCAA and NAIA, it will particularly focus upon the NCAA, and more specifically, upon the business of "Big-Time" intercollegiate athletics.

SPTE 315 - NCAA Compliance (3 Credits)

Students will gain a basic understanding of NCAA Division I rules and regulations while learning how the rules are applied to member institution. An overview of the operations of an NCAA Division I compliance office and coaching regulations will be provided as well.

SPTE 320 - Sport and the Law (3 Credits)

Laws and regulatory bodies affecting the management of sport personnel, facilities, and events.

Prerequisites: SPTE 240 or equivalent.

Graduation with Leadership Distinction: GLD: Research

SPTE 325 - Resort and Club Recreation Programming (3 Credits)

Management of club and resort sport complexes.

SPTE 330 - The Summer Olympic Games (3 Credits)

Examination of the Summer Olympic Games and its impact on sport, entertainment, hospitality, tourism and the host community.

SPTE 335 - The Business of Baseball (3 Credits)

Overall view of the sport of baseball from a business perspective.

SPTE 340 - The Sporting Goods Industry (3 Credits)

Principles of manufacturing and retailing applied to the sporting goods industry.

SPTE 342 - Sport and Entertainment Contracts and Negotiations (3 Credits)

The formation and negotiation of contracts in Sport and Entertainment Management.

Prerequisites: SPTE 240 or ACCT 324 or equivalent.

SPTE 376 - Risk Management in Sport and Entertainment (3 Credits)

Theoretical and practical approaches to managing risk in Sport and Entertainment venues and events.

Prerequisites: SPTE 240 or ACCT 324 or equivalent.

SPTE 380 - Sport and Entertainment Marketing (3 Credits)

Marketing theory and practice and how it relates and applies to sport and entertainment.

Prerequisites: MKTG 350.

SPTE 385 - Ethics in Sport and Entertainment Business (3 Credits)

The objective of this course is to familiarize students with the ethical issues that exist in the business of sport and entertainment. Students will learn theories of ethics and how they relate to issues faced by managers in the sport and entertainment industry. Ethical theories and philosophies – deontology, utilitarianism, and virtue - will be driving the discussions and understandings of ethical decision-making in this class.

Carolina Core: VSR

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPTE 399 - Independent Study (1-6 Credits)

Students will have an opportunity to explore a specific area of sport and entertainment management. Individual students will identify an area of study related to sport and entertainment management and complete a research paper on this topic under the guidance of the instructor.

Graduation with Leadership Distinction: GLD: Research

SPTE 402 - Entertainment and the Law (3 Credits)

Performing arts and entertainment industries' social, economic, and legal issues, in addition to the development and role of entertainment in society, will be analyzed—from its roots to the present.

Prerequisites: SPTE 240.

SPTE 404 - Promoting Entertainment Events (3 Credits)

This course should provide students with an understanding of various methods of promotion and approaches to the application of advertising and publicity in the broad spectrum of modern media.

Prerequisites: SPTE 202 and MKTG 350.

SPTE 410 - Sport and Entertainment in Popular Culture (3 Credits)

Investigation of sport and entertainment as critical facets of American society.

SPTE 415 - Sport in Film (3 Credits)

This class invites students to consider a variety of classic and contemporary, international and domestic sports films featuring heroes and villains from baseball, basketball, boxing, football, soccer and other sports stages. Students will develop a rhetorical analysis of socially significant sport films after exposure to numerous critical perspectives.

SPTE 430 - Sport and Entertainment Services Marketing (3 Credits)

Basic principles required to promote a service marketing strategy in sport and entertainment.

Prerequisites: MKTG 350.

SPTE 435 - Spectator Facilities Management (3 Credits)

Programming, marketing, public relations, fiscal considerations, operation, labor relations, personnel, and event management for spectator sports and entertainment events.

SPTE 440 - Sport and Entertainment Business and Finance (3 Credits)

Economic and finance theories applied to the management of sport and entertainment organizations.

Prerequisites: FINA 363 or FINA 333.

SPTE 444 - Sports and Entertainment Event Management (3 Credits)

Application of management principles to sports and entertainment events.

Prerequisites: SPTE 380, SPTE 440.

SPTE 450 - Sales in Sport and Entertainment Business (3 Credits)

Students will be provided with an overview of the sales process and learn how the sales process applies to sport and entertainment while using hands on exercises to perpetuate the understanding of the importance of sales.

Prerequisites: MKTG 350.

SPTE 490 - Special Topics in Sport and Entertainment Management (3 Credits)

Current topics and trends in sport, live entertainment, and venue management. Content varies by title. May be repeated once.

SPTE 495 - Internship II in Sport and Entertainment Management (6 Credits)

Placement with a sport or entertainment organization for a supervised learning experience in the student's career specialization area.

Prerequisites: C or better in SPTE 440 and SPTE 444.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships

Experiential Learning: Experiential Learning Opportunity

SPTE 498 - Research Experience (3 Credits)

Working with a faculty mentor, students develop a research project and related research skills.

Graduation with Leadership Distinction: GLD: Research

SPTE 499 - Senior Thesis (3 Credits)

A senior thesis related to one of the advanced courses in the major program.

Prerequisites: minimum GPA of 3.50 in major courses, 3.30 overall.

Graduation with Leadership Distinction: GLD: Research

SPTE 501 - Trends and Issues in Sport and Entertainment Management (3 Credits)

Trends and Issues in Sport and Entertainment Management.

SPTE 545 - Managing Part-Time Employees and Volunteers (3 Credits)

Recruiting, hiring, training, and retaining part-time employees and volunteers in sport and entertainment.

SPTE 550 - The Business of Esports (3 Credits)

This course is designed to provide students with an overview of the business of esports. It will focus on the history of video games from creation to the present and will also cover the various business elements of the modern, competitive esports environment.

SPTE 560 - Performing Arts Management and Leadership (3 Credits)

The study of performing arts management as it relates to nonprofits and organizational structure.

Prerequisites: C or better in SPTE 202 and SPTE 380.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPTE 565 - Business of Broadway (3 Credits)

The study of the management of Broadway productions from script to play, including the creative process, business ventures, production houses, and investor relations.

Prerequisites: SPTE 202 and SPTE 380; C or higher for SPTE majors.

SPTE 570 - Special Topics in Global Sport (3 Credits)

This course examines a variety of global sport and entertainment management issues. The emphasis will be on an understanding of the concepts related to the sport and entertainment management in an international setting. Content varies by title. May be repeated once.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

SPTE 580 - Business Principles in Sport Management. (3 Credits)

Business principles in the management of public and private sector sport programs.

SPTE 585 - Sports Economics (3 Credits)

This course focuses on issues relevant to sport, entertainment, and related industries. The goal of the class will be for students to understand both basic and complex concepts within economics in a sport and entertainment context, in order to grasp the importance of economic decision-making.

SPTE 590 - Special Topics in Live Entertainment and Sport (3 Credits)

Investigation of Special topics pertinent to the sport and entertainment management industry. Content varies by title. May be repeated twice.

SPTE 635 - Sport and Entertainment Event Development (3 Credits)

Business concepts needed to develop sport and entertainment special events.

SPTE 640 - Venue Management: Principles and Practices (3 Credits)

Managing public assembly facilities and venues.

Prerequisites: SPTE 203 or equivalent.

SPTE 650 - Integrated Marketing Communication in Sport and Entertainment (3 Credits)

Use of integrated marketing communication concepts, theories, and strategies in sport and entertainment.

Prerequisites: MKTG 350.

SPTE 655 - Social Media in Live Entertainment and Sport (3 Credits)

In-depth investigation of social networks, digital platforms, and online marketing for the live entertainment and sport industries.

Statistics (STAT)

STAT 110 - Introduction to Statistical Reasoning (3 Credits)

A course in statistical literacy. Topics include data sources and sampling, concepts of experimental design, graphical and numerical data description, measuring association for continuous and categorical variables, introduction to probability and statistical inference, and use of appropriate software. Credit given only for STAT 110 or STAT 112.

Carolina Core: ARP

STAT 112 - Statistics and the Media (3 Credits)

Statistics and the Media. (3) Statistical and information literacy. Experimental and survey design; descriptive statistics; basic probability; simple confidence intervals and hypothesis tests; statistical software; collection, management, and evaluation of information; and presentation of statistics in the media. Credit given for only STAT 110 or STAT 112.

Carolina Core: ARP, INF

STAT 201 - Elementary Statistics (3 Credits)

Introduction to the fundamentals of modern statistical methods, including descriptive statistics, probability, random sampling, simple linear regression, correlation, tests of hypotheses, and estimation.

Prerequisites: MATH 111 or MATH 115 or STAT 110.

Carolina Core: ARP

STAT 205 - Elementary Statistics for the Biological and Life Sciences (3 Credits)

Introduction to fundamental statistical methods with applications in the biological and life sciences. Includes descriptive statistics; probability; one and two-sample models for population means; contingency tables (including relative risk, odds ratios, case-control studies, and estimation of sensitivity and specificity); linear regression; logistic regression; aspects of survival analysis, and ANOVA.

Prerequisites: MATH 111 or higher.

Carolina Core: ARP

STAT 206 - Elementary Statistics for Business (3 Credits)

Fundamental statistical methods with applications in business. Includes descriptive statistics, graphical methods, probability, distributions, sampling, inference, contingency tables, and linear regression.

Prerequisites: MATH 111 or higher.

Carolina Core: ARP

STAT 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

STAT 506 - Introduction to Experimental Design (3 Credits)

Techniques of experimentation based on statistical principles with application to quality improvement and other fields. Full and fractional factorial designs for factors at two levels; dispersion effects; related topics.

Prerequisites: C or higher in MATH 122 or MATH 141; or both MATH 111 or higher and any statistical class.

STAT 509 - Statistics for Engineers (3 Credits)

Basic probability and statistics with applications and examples in engineering. Elementary probability, random variables and their distribution, random processes, statistical inference, linear regression, correlation and basic design of experiments with application to quality assurance, reliability, and life testing. May not be taken concurrently with or after STAT 513, STAT 515, or STAT 516. Not for C.A.S., M.A.S., or Ph.D credit in Statistics.

Prerequisites: MATH 142 or equivalent.

STAT 511 - Probability (3 Credits)

Probability and independence; discrete and continuous random variables; joint, marginal, and conditional densities; moment generating functions; laws of large numbers; binomial, Poisson, gamma, univariate and bivariate normal distributions.

Prerequisite or Corequisite: C or better in MATH 241.

Cross-listed course: MATH 511

STAT 512 - Mathematical Statistics (3 Credits)

Functions of random variables, order statistics, sampling distributions, central limit theorem, quality of estimators, interval estimation, sufficient statistics, minimum-variance unbiased estimator, maximum likelihood, large-sample theory, introduction to hypothesis testing.

Prerequisites: C or better in STAT 511 or MATH 511.

STAT 513 - Theory of Statistical Inference (3 Credits)

Hypothesis testing, Neyman-Pearson lemma, likelihood ratio tests, power, the theory of linear models including multiple linear regression and ANOVA, the Chi-square goodness-of-fit test, Chi-square inference for contingency tables, Bayesian inference, and advanced topics including survival analysis (only if time permits).

Prerequisites: C or better in STAT 512.

STAT 515 - Statistical Methods I (3 Credits)

Applications and principles of elementary probability, essential discrete and continuous probability distributions, sampling distributions, estimation, and hypothesis testing. Inference for means, variances, proportions, one-way ANOVA, simple linear regression, and contingency tables. Statistical packages such as SAS or R. May not be taken concurrently with or after STAT 509, STAT 513, or STAT 516. Not for CAS, MAS, MS, or PhD credit in Statistics.

Prerequisites: C or higher in MATH 122 or MATH 141; or both MATH 111 or higher and any statistics class.

STAT 516 - Statistical Methods II (3 Credits)

Applications and principles of linear models. Simple and multiple linear regression, analysis of variance for basic designs, multiple comparisons, random effects, and analysis of covariance. Statistical packages such as SAS. Not for CAS, MAS, MS, or PhD credit in Statistics.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 517 - Advanced Statistical Models (3 Credits)

Theory and applications of advanced statistical models. Includes implementation and assessment of generalized linear, nonlinear and nonparametric regression, mixed effect, repeated measures, multivariate regression, and spatial models.

Prerequisites: STAT 512 or STAT 516 or equivalent.

STAT 518 - Nonparametric Statistical Methods (3 Credits)

Applications and principles of nonparametric statistics. Classical rank-based methods, and selected categorical data analysis and modern nonparametric methods. Statistical packages such as R.

Prerequisites: C or better in STAT 515, STAT 509 or STAT 512.

STAT 519 - Sampling (3 Credits)

Techniques of statistical sampling in finite populations with applications in the analysis of sample survey data. Topics include simple random sampling for means and proportions, stratified sampling, cluster sampling, ratio estimates, and two-stage sampling.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 520 - Forecasting and Time Series (3 Credits)

Time series analysis and forecasting using the multiple regression and Box-Jenkins approaches.

Prerequisites: C or better in STAT 516 or MGSC 391.

Cross-listed course: MGSC 520

STAT 521 - Applied Stochastic Processes (3 Credits)

An introduction to stochastic processes, including conditional probability, Markov chains, Poisson processes, and Brownian motion. Incorporates simulation and applications to actuarial science.

Prerequisites: C or higher in STAT 511.

STAT 522 - Financial Mathematics I (3 Credits)

Probability spaces. Random variables. Mean and variance. Geometric Brownian Motion and stock price dynamics. Interest rates and present value analysis. Pricing via arbitrage arguments. Options pricing and the Black-Scholes formula.

Prerequisites: C or better in MATH 241.

Cross-listed course: MATH 514

STAT 523 - Financial Mathematics II (3 Credits)

Convex sets. Separating Hyperplane Theorem. Fundamental Theorem of Asset Pricing. Risk and expected return. Minimum variance portfolios. Capital Asset Pricing Model. Martingales and options pricing. Optimization models and dynamic programming.

Prerequisites: C or better in MATH 514 or STAT 522.

Cross-listed course: MATH 515

STAT 525 - Statistical Quality Control (3 Credits)

Statistical procedures for process control including CUSUM and Shewhart Control Charts, and lot-acceptance sampling.

Prerequisites: STAT 509 or STAT 515 or MGSC 391.

Cross-listed course: MGSC 525

STAT 528 - Environmental Statistics (3 Credits)

Statistical analysis of environmental data. Review of multiple regression and ANOVA, nonlinear regression models and generalized linear models, analyses for temporally and spatially correlated data, and methods of environmental sampling.

Prerequisites: STAT 516.

STAT 530 - Applied Multivariate Statistics and Data Mining (3 Credits)

Introduction to fundamentals of multivariate statistics and data mining. Principal components and factor analysis; multidimensional scaling and cluster analysis; MANOVA and discriminant analysis; decision trees; and support vector machines. Use of appropriate software.

Prerequisites: C or higher in STAT 515, STAT 205, STAT 509, STAT 512, ECON 436, MGSC 391, PSYC 228, or equivalent.

STAT 535 - Introduction to Bayesian Data Analysis (3 Credits)

Principles of Bayesian statistics, including: one- and multi-sample analyses; Bayesian linear models; Monte Carlo approaches; prior elicitation; hypothesis testing and model selection; hierarchical models; selected advanced models; statistical packages such as WinBUGS and R.

Prerequisites: C or higher in STAT 512, CSCE 582 or STAT 582; or both STAT 511 and either STAT 509 or STAT 515; or equivalent.

STAT 540 - Computing in Statistics (3 Credits)

An introduction to statistical packages such as R and SAS with special focus on data management and computing procedures such as Monte Carlo simulation.

Prerequisites: C or higher in STAT 515, STAT 509, STAT 512, or equivalent.

STAT 541 - Advanced SAS Programming (3 Credits)

Advanced programming techniques in SAS, including database management, macro language, and efficient programming practices.

Prerequisites: STAT 540.

STAT 582 - Bayesian Networks and Decision Graphs (3 Credits)

Normative approaches to uncertainty in artificial intelligence. Probabilistic and causal modeling with Bayesian networks and influence diagrams. Applications in decision analysis and support. Algorithms for probability update in graphical models.

Prerequisites: CSCE 350, STAT 509, or STAT 515.

Cross-listed course: CSCE 582

STAT 587 - Big Data Analytics (3 Credits)

Foundational techniques and tools required for data science and big data analytics. Concepts, principles, and techniques applicable to any technology or industry for establishing a baseline that can be enhanced by future study.

Prerequisites: STAT 509, STAT 513, or STAT 515.

Cross-listed course: CSCE 587

STAT 588 - Genomic Data Science (3 Credits)

This course focuses on quantitative knowledge for interdisciplinary applications in genetics as well as hands-on experience in analyzing genetic data. In this course, students will have programming exercises in using analysis tools to conduct genome-wide analysis, annotation, and interpretation of genetic data using R/Bioconductor packages.

Prerequisites: C or better in STAT 201 or higher.

Cross-listed course: BIOL 588

STAT 591 - Data Analysis for Teachers (3 Credits)

Introduction to statistics for elementary, middle, and high school teachers. The fundamentals of data collection, descriptive statistics, probability, and inference with special focus on methods of teaching statistical reasoning. For M.A.T. (excluding mathematics) / M.Ed. / M.T. and nondegree credit only.

Cross-listed course: SMED 591

STAT 599 - Topics in Statistics (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title.

STAT 600 - Statistics for Applied Management (3 Credits)

Introduction to data collection, descriptive statistics, and statistical inference with examples from hospitality, retail, sport, and entertainment management. Focus on selecting, implementing, and interpreting the appropriate statistical methods using software such as Excel and SPSS. Not for minor or degree credit in Mathematics or Statistics. Does not prepare students for STAT 516, STAT 518, STAT 519 or STAT 525.

STAT 650 - AP Statistics for Teachers (3 Credits)

A thorough study of the topics covered on the AP Statistics Examination. A non-calculus-based introduction, including descriptive and inferential one- and two-variable statistics, and emphasizing activities illustrating statistical thinking. Current secondary high school teacher certification in mathematics. For I.M.A./M.A.T. (excluding mathematics)/M.Ed./M.T. and nondegree credit only. Restricted to graduate students.

Swahili (SWAH)

SWAH 121 - Elementary Swahili (4 Credits)

Grammar and practical vocabulary necessary for fundamental communication skills. Assumes no prior experience in the language. Offered only in fall.

SWAH 122 - Basic Proficiency in Swahili (3 Credits)

Practice and further development of essential listening, reading, speaking, and writing skills. Offered in spring and summer II semesters. **Prerequisites:** SWAH 121.

SWAH 201 - Intermediate Swahili (3 Credits)

Development of reading, speaking, listening, and writing skills; introduction of East African culture. SWAH 201 offered in fall, SWAH 202 offered in spring.

SWAH 202 - Intermediate Swahili (3 Credits)

Development of reading, speaking, listening, and writing skills; introduction of East African culture. SWAH 201 offered in fall, SWAH 202 offered in spring.

SWAH 399 - Independent Study (3-6 Credits)

Contract approved by instructor, advisor and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

Theatre (THEA)

THEA 120 - Laboratory Theatre Production (1 Credit)

Procedures for implementation of processes involved in the Laboratory Theatre Production Program. Supervised preparation of all performance and production elements involved in the collaborative process of theatre production. Course content varies according to season production program. Permission of Instructor or by audition. May be repeated for credit.

THEA 121 - Theatre Running Crew Laboratory. (1 Credit)

Procedures and processes of running crews for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in various theatre production running crews (management, scenic, lighting, sound, costumes and makeup). Course content varies according to season production program. May be repeated for credit.

THEA 122 - Theatre Performance Laboratory (1 Credit)

Preparation and procedures of the rehearsal and performance processes for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in an acting company. Course content varies according to season production program. By audition only. May be repeated for credit.

Prerequisites: THEA 120.

THEA 123 - Theatre Production Studio (1 Credit)

Procedures and processes for the Mainstage Theatre Production Program. Collaborative teamwork through supervised participation in various theatre production student crews (scenic, lighting, sound, costume, makeup, and promotions). Course content varies according to season production program.

Prerequisites: THEA 121.

THEA 170 - Fundamentals of Acting (3 Credits)

Introduction to the art and craft of acting. Practical exploration through improvisation and scripted scene work. Includes a brief history of the development of modern acting techniques.

Carolina Core: AIU

THEA 172 - Basic Stage Makeup (1 Credit)

The study and application of the principles of the art of makeup for the theatre.

THEA 181 - Shakespeare in Performance (3 Credits)

Introduction to Shakespeare's works on page, stage, and screen. Emphasis placed on performances of scripts. History of Shakespeare's works/productions, stage/screen technique. Viewings of film adaptations required.

Carolina Core: AIU

THEA 200 - Understanding and Appreciation of Theatre (3 Credits)

An introduction to the understanding and appreciation of theatrical experience. Attendance at theatrical performances required.

Carolina Core: AIU

THEA 201 - Introduction to Theatre Studies (3 Credits)

Introduction to methods of analyzing and interpreting drama, with emphasis on play structure, genre, and style. Designed for the theatre major in preparation for theatre scholarship, performance, production, and design.

Graduation with Leadership Distinction: GLD: Research

THEA 221 - Stage Management Laboratory (2 Credits)

Supervised participation in theatre stage management. May be repeated once for credit.

Prerequisites: THEA 120 and THEA 121.

THEA 225 - Introduction to Stage Management (3 Credits)

An introduction to the roles of the stage manager throughout theatrical productions that include pre-production planning, oversight of the rehearsal process, running technical rehearsals and performances, and completing post-production duties.

THEA 230 - Make-up Design for Theatre and Film (3 Credits)

Theory and practice of make-up design for theatre and film. The application of analytical and research skills in the visual development of the character.

THEA 240 - Beginning Voice and Speech (3 Credits)

Study and practical application of voice and speech fundamentals in performance. Emphasis on speaking with ease, power and clarity to impact an audience.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

THEA 241 - Voice and Speech Studio (1-3 Credits)

Training in vocal skills needed by actors such as dialect, verse speaking and voice for a variety of media. Maybe repeated for credit.

Prerequisites: THEA 240.

THEA 252 - Stage Costume Construction (3 Credits)

An introductory course in the principles and practice of costume construction.

THEA 253 - Stagecraft (3 Credits)

A beginning course in the principles and practice of scenic technology.

THEA 270 - Beginning Acting (3 Credits)

An exploration of the acting process through scene study. Focus will be on developing the actor's personal technique, emphasizing emotional truthfulness and authenticity.

Prerequisites: THEA 170 or declaration of major.

THEA 280 - Elements of Design for Theatre Production (3 Credits)

Foundational application of design principles and vocabulary as applied to the creative process in production design for theatre. Play analysis, creative and visual thinking, and graphic representation.

THEA 283 - Introduction to Theatre Sound Design (3 Credits)

Introduces the students to the basic principles of sound design and technology. Related topics include physics of sound, use and maintenance of equipment, script analysis, and creative thinking.

THEA 288 - Introduction to Stage Lighting (3 Credits)

Principles and practices of theatrical lighting design. Course not available for major credit.

THEA 340 - Literature and Performance (3 Credits)

Introduction to the study of literature through performance; reading, analysis, and performance of prose, poetry, nonfiction, and drama.

Cross-listed course: SPCH 340

THEA 359 - Theatrical Imagery (3 Credits)

The theory and application of visual imagery in theatrical design; identification and selection of historical motifs.

THEA 369 - Japanese Culture and Society through Theatre (3 Credits)

Introduction to Japanese traditional theatre and its influences on Japanese culture and society. Taught in English.

Cross-listed course: JAPA 351

THEA 370 - Intermediate Acting (3 Credits)

Development of acting skills through study of acting techniques emphasizing emotional truthfulness and authenticity. Application to scene study, monologues and auditions. Intensive script analysis for character development.

Prerequisites: THEA 170 or THEA 270.

THEA 372 - Acting from a Physical Point of View (3 Credits)

Development of physical acting skills related to modern acting techniques emphasizing emotional truthfulness and authenticity. Promoting the experience of full body awareness and expressiveness in character development and storytelling. Includes performative states of relaxation, balance and presence and ensemble work.

THEA 373 - Movement Laboratory (1 Credit)

Training in specific physical skills for actors: stage combat, mime, folk dance, tap dance, etc. May be repeated for credit.

THEA 375 - Inner Mastery Thought Movement (3 Credits)

A mind/body integration course designed for performing artists.

THEA 380 - Production Design for Theatre (3 Credits)

Principles of production design in scenery, costumes, lighting and sound. Play analysis, periods styles, creative and visual thinking and graphic representation.

Prerequisites: THEA 280.

THEA 390 - Beginning Acting for the Camera (3 Credits)

This course will explore a range of techniques that actors need to successfully perform on camera, such as script analysis, scene work, auditioning, understanding type, shooting self-tapes, and what to expect on set. It will also provide knowledge about filmmaking that will help the actor better fit into the industry.

Prerequisites: C or better in THEA 170 or THEA 270.

THEA 399 - Independent Study and Research (3-6 Credits)

Contract approved by instructor, advisor, and department chair is required for undergraduate students.

Graduation with Leadership Distinction: GLD: Research

THEA 425 - Advanced Stage Management (3 Credits)

Delving deeper into the role of the stage manager in theatrical productions that includes problem solving, adapting to challenging situations, and distinguishing the various responsibilities of production assistants, assistant stage managers, and production stage managers and their collaborative contributions.

Prerequisites: C or better in THEA 225.

THEA 440 - Advanced Voice and Speech for the Actor. (3 Credits)

Advanced vocal techniques as applied to performance. Specific skills covered may include vocal flexibility and range, vocal dynamics, dialects, and voice-over technique.

Prerequisites: THEA 240.

THEA 442 - Accents and Dialects for the Actor (3 Credits)

Study and practical application of major accents and dialects used by actors in performance. Emphasis on acquiring the skills necessary for independent learning of an accent or dialect.

Prerequisites: C or better in THEA 240.

THEA 444 - Voice Over and Voice Acting (3 Credits)

Principles and practice of a wide range of voice-over including commercial and narrative styles. Development of character voice as applied to animation, gaming and/or other audio storytelling. Focus is on practical skills necessary for the profession.

Prerequisites: C or better in THEA 240.

THEA 450 - Musical Theatre Workshop (2 Credits)

Intensive musical theatre training in areas of song interpretation, musical theatre, dance, voice and acting.

Cross-listed course: DANC 450, MUSC 450

THEA 452 - Special Topics in Costume Technology (3 Credits)

A specialty skills course for advanced students of theatrical costume design and technology. Topics will include tailoring, fabric modification, needle arts, millinery, etc. Course may be repeated as topics vary.

Prerequisites: THEA 252.

THEA 453 - Computer Aided Drafting for Theatre (3 Credits)

Develop basic and intermediate skills in using computer aided drafting programs for theatrical designs and technical drawings.

THEA 481 - History of Cinema II (3 Credits)

Survey of the international cinema from 1945 to the present.

THEA 489 - Introduction to Costume Design (3 Credits)

Introduction to the basic principles and elements of design as they apply to the costume designer. Script and character analysis, costume rendering, and production unity.

Prerequisites: THEA 280.

THEA 490 - Theatre Capstone Course (3 Credits)

Principles, procedures and practice of the creative and collaborative process. Aspects of the discipline with focus on creative and effective collaboration and communication skills among theatre artists, scholars and technicians. Practical and planning skills for professional success after graduation.

Prerequisites: THEA 270 and THEA 280, and 6 hours from 300 level class or above.

THEA 500 - Selected Topics in Theatre (1 Credit)

A series of courses, each lasting one-third of a semester. Topics and prerequisites are announced in the class schedule for each semester.

THEA 510 - Rendering Techniques for the Theatre (3 Credits)

Rendering techniques for the communication of concepts and mood in the design process.

THEA 520 - Playwright's Workshop (3 Credits)

Principles and practice of playwriting. Writing, adapting, and revising plays. May be repeated with consent of department chair.

THEA 522 - Drama in Education (3 Credits)

Comprehensive review of drama strategies, methods and pedagogical practices to be applied to non-drama learning contexts. Practical experience with the necessary skills, philosophies and techniques of drama in education.

THEA 526 - Children's Theatre (3 Credits)

Special problems in producing plays for child audiences.

Prerequisites: THEA 170 and THEA 253.

THEA 527 - Applied Theatre Arts (3 Credits)

Principles and practices of theatre-making within community contexts to address local issues and to provide aesthetic strategies for creative problem solving through theatre.

THEA 529 - Theatre Management (3 Credits)

Problems involved in organizing, administering, and promoting the non-professional theatre.

THEA 530 - Period Styles for Wig and Hair Design (3 Credits)

Research and execution of period styles for wigs, hair, and facial pieces as related to theatrical and media design.

Prerequisites: THEA 230 and THEA 550.

THEA 531 - Theatre Graphics (3 Credits)

Specialized graphic techniques used in the preparation of a theatrical production. Practice in the execution and interpretation of working drawings, perspective sketches, color renderings, scale models, etc.

THEA 540 - Voice and Movement: Practice and Performance (3 Credits)

A variety of vocal and movement techniques that apply to acting and coaching with special emphasis on the physical and vocal processes in performance.

THEA 547 - Global/Contextual Issues in Theatre Education Practice and Performance (3 Credits)

Survey and analysis of current drama teacher practice across international contexts in relationship to global, social and educational change.

THEA 550 - History of Costume (3 Credits)

A survey of clothing through the ages with emphasis on the dress of the actor in significant periods of theatrical activity. From ancient times to present day.

THEA 552 - Stage Costume Pattern Drafting and Drawing (3 Credits)

The principles of pattern making for costume construction using flat-pattern and draping techniques.

THEA 553 - Advanced Stagecraft (3 Credits)

Advanced principles and practices of stagecraft.

Prerequisites: THEA 253 or equivalent.

THEA 554 - Performing Arts Safety (3 Credits)

Study of health and safety hazards for actors, technicians, and audience members.

THEA 555 - Scene Painting for the Stage (3 Credits)

Techniques of scene painting. Application of principles of painting to the stage.

THEA 556 - Stage Design (3 Credits)

Survey of the history and principles of scene design. Assignments will involve drawings, watercolor sketches, and scale models.

THEA 557 - Advanced Scenic Design (3 Credits)

Advanced procedures and techniques of scenic design.

Prerequisites: THEA 556.

THEA 558 - Draping for the Modern Silhouette (3 Credits)

Apparel design through basic draping techniques on industry standard dress forms. Analysis of fit and design, problem solving and interaction of fabric characteristics with style features.

Prerequisites: B or better in THEA 551.

THEA 559 - Introductory Methods for K-12 Theatre Certification (3 Credits)

Developmental approaches to drama instruction in K-12 classroom settings.

THEA 561 - History of the Theatre I (3 Credits)

A survey of plays, playwrights, actors, production, and the physical development of theatres from the time of the Greeks to 1660; reading of representative plays required.

THEA 562 - History of the Theatre II (3 Credits)

A survey of plays, playwrights, actors, production, and the physical development of theatres from 1660 to the present; reading of representative plays required.

THEA 563 - History of Modern Theatre (3 Credits)

History of Western Theatre since the early 20th century. Students will be introduced to major figures, plays, and movements and explore influences from the broader culture on theatrical expression.

THEA 565 - African American Theatre (3 Credits)

The major movements, figures, plays, and critical strategies that have marked the development of African American theatre in the 19th, 20th, and 21st centuries.

Cross-listed course: AFAM 565, ENGL 565

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

THEA 567 - Dramatic Theory I (3 Credits)

A survey of the major works of dramatic theory and criticism, with emphasis on theories of theatrical performance. from Aristotle through 18th-century neo-classicism.

THEA 568 - Dramatic Theory II (3 Credits)

A survey of the major works of dramatic theory and criticism, with emphasis on theories of theatrical performance from the 18th century to the present.

THEA 569 - Dramaturgy (3 Credits)

A study of dramatic structure as it relates to theatrical production. Emphasis on script reading and analysis. Production and new-works dramaturgy will be covered.

THEA 570 - Advanced Acting I (3 Credits)

Theory and practice in the development of a role and an understanding of the psychology of the audience-actor relationship.

Prerequisites: B or better in THEA 240 and THEA 372 and THEA 370.

THEA 571 - Advanced Acting II (3 Credits)

Technique of performing play scripts with heightened language and styles other than naturalism/realism. Some examples of genres that may be taught are Classical Greek, Elizabethan, absurdist.

Prerequisites: B or better in THEA 240 and THEA 372 and THEA 370.

THEA 572 - Advanced Makeup for Theatre and Film (3 Credits)

Makeup design for specific character types, prosthetics and three-dimensional makeup effects. Special attention to the process of sculpting and modeling for makeup prosthetics.

Prerequisites: THEA 230.

THEA 575 - Rehearsal and Performance (3 Credits)

An intensive laboratory course in theatrical and media performances.

THEA 576 - Rehearsal and Performance (3 Credits)

An intensive laboratory course in repertory theatre.

THEA 577 - Special Topics in Physical Theatre (3 Credits)

Research and performance training in selected topics related to physical theatre. Course content varies and will be announced in the schedule of classes by title. May be repeated as topics vary.

THEA 578 - Play Direction I (3 Credits)

A study of the principles, procedures and practice of stage direction, with the selection, analysis, casting, and rehearsal of a one-act play to be presented in the laboratory theatre.

Prerequisites: THEA 270, THEA 280, and 6 hours from 300 level or above.

THEA 579 - Play Direction II (3 Credits)

A continuation of THEA 578.

Prerequisites: THEA 578.

THEA 581 - Film as Performance (3 Credits)

Study and analysis of film production, performance, and aesthetics.

THEA 582 - Costume Design (3 Credits)

Theory and practice in the design of theatre costumes.

THEA 583 - Advanced Practice in Sound Design (3 Credits)

Advanced study in sound, production and design. Emphasis will be on mounting designs and refining design skills for Theatre, Music, and Media Arts students.

THEA 585 - Design for Communications Media Production (3 Credits)

The study and application of techniques in theatrical stagecraft, design, lighting, costuming, and makeup applicable to specialized fields of communication media.

Prerequisites: THEA 253, THEA 351.

THEA 586 - The Articulate Body (3 Credits)

Theoretical and experimental exploration of the major body systems and developmental movements to bring more articulation to the body and more awareness and physical ease in performance.

Cross-listed course: DANC 586

THEA 587 - Film and Television Acting (3 Credits)

Theory and practice of film and television acting.

Prerequisites: THEA 170.

THEA 588 - Stage Light Design I (3 Credits)

The interrelationship of stage lighting and other production elements. Design techniques, equipment, and script analysis. Laboratory work on department productions. Restricted to theatre majors or those having special permission of instructor.

THEA 589 - Adv. Stage Lighting Des. II (3 Credits)

Stage lighting equipment and design techniques. Laboratory work on departmental productions.

THEA 590 - Advanced Acting for the Camera (3 Credits)

This course explores a range of techniques that actors need for a successful career acting on camera, such as script analysis, building a reel, collaboration on set, and creating original content. It also provides knowledge about filmmaking that will help the actor better fit into the industry.

Prerequisites: D or better in THEA 390.

THEA 599 - Special Topics in Theatre (3 Credits)

Reading and research on selected topics. Course content varies and will be announced in the schedule of classes by title. May be repeated once as topics vary.

University Campuses (UCAM)

UCAM 110 - Careers in Education (3 Credits)

Role of the teacher and profession of teaching; observation and activities within cooperating schools are involved. Designed to assist students in the career decision-making process. Note: This course might not apply toward associate degrees or Columbia baccalaureate degrees.

UCAM 120 - Effective Reading (3 Credits)

Techniques for reading comprehension and their application through assignments in varied genres and in parallel reading. Class discussions and compositions. Note: May not be used for credit toward any baccalaureate degree.

University Experience (UNIV)

UNIV 101 - The Student in the University (3 Credits)

The purposes of higher education and potential roles of the student within the university. Open to freshmen. Also open to other undergraduate students in their first semester of enrollment.

UNIV 150 - The International Student in the University I (2 Credits)

Building skills and strategies for success in the USA and at USC for international students during their first full credit-bearing semester in the International Accelerator Program.

UNIV 151 - The International Student in the University II (1 Credit)

Building skills and strategies for success in the USA and at USC for international students in their final semester of the International Accelerator Program.

UNIV 201 - Fundamentals of Integrative Learning (1-3 Credits)

Integrates concrete experience with theoretical foundations by reflecting and applying information. Includes a focus on one more experiential pathways such as community service, diversity and social advocacy, global learning, professional/civic engagement, or research.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Internships, GLD: Research

UNIV 290 - Special Topics in the Residential College (1 Credit)

Interdisciplinary discussions for residential college students. Course content varies and will be announced in the schedule of classes by title. May be repeated three times as topics vary.

Prerequisites: Residence hall students.

UNIV 401 - Senior Capstone Experience (1-3 Credits)

Integration of major program of study and general education; issues of transition into graduate school and/or employment; group project, intensive writing/speaking.

Women & Gender Studies (WGST)

WGST 112 - Introduction to Women's and Gender Studies (3 Credits)

A social science perspective of women in psychological, sociological, historical, anthropological, economic, and political contexts; the changing roles, images, and institutions.

Carolina Core: GSS, VSR

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy

WGST 113 - Women's Health (3 Credits)

Basic functioning of the female body; effects of society on processes of health and disease. Not for natural sciences credit.

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 207 - Gender and Culture (3 Credits)

Anthropological study of gender, with emphasis on cross-cultural investigation of the interaction of biological, cultural, and environmental factors including intersections of race, social class, and sexuality as influences gender behavior.

Cross-listed course: ANTH 207

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 210 - Human Life Cycles in Different Cultures (3 Credits)

Childhood, maturity, old age, and gender socialization within the family.

Cross-listed course: ANTH 210

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Community Service, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 298 - Issues in Women's and Gender Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 299 - Women's and Gender Studies Internship for Non-Majors (3 Credits)

Supervised experience addressing a community organization's needs and allowing the student to explore an aspect of the community related to women's and gender studies issues. Contract approval by advisor required.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 300 - Sex and Gender (3 Credits)

Offers a sociological lens to develop critical ways of thinking about sex and gender as social processes in everyday lives. This course considers how sex and gender shape and affect the experiences of women, men, girls, boys, and individuals who live in the spaces in-between (those who are intersex or transgender) across a wide range of social institutions (family, work, education, politics, etc.).

Prerequisites: SOCY 101.

Cross-listed course: SOCY 301

Carolina Core: GSS

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 301 - Psychology of Marriage (3 Credits)

The psychological, physiological, and social characteristics of marriage.

Cross-listed course: PSYC 301

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 304 - Race, Class, Gender, and Sexuality (3 Credits)

Historical and contemporary power relationships in race, social class, gender, and sexual orientation.

Cross-listed course: POLI 305, SOCY 304

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 305 - Sociology of Families (3 Credits)

Sociological perspectives related to various aspects of family behaviors, roles, and values.

Cross-listed course: SOCY 305

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 306 - Gender, Race and Social Justice (3 Credits)

This course introduces anti-oppressive theoretical and applied approaches to understand and address intersections of gender and racial inequality. Social welfare policies and services available to women in contexts such as criminal justice, behavioral health, child welfare, and the military are examined.

Cross-listed course: SOWK 305

Graduation with Leadership Distinction: GLD: Community Service, GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 307 - Feminist Theory (3 Credits)

Historical development of feminist theory and contemporary debates within feminism.

Cross-listed course: POLI 307

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 308 - African-American Feminist Theory (3 Credits)

An interdisciplinary survey of the contributions of African-American women to feminist theory.

Cross-listed course: AFAM 308

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 309 - LGBTQ+ Studies (3 Credits)

Overview of theories, history, literature, politics, legal, health, and social issues connected to sexualities, including the intersections of gender, race, and social class.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 310 - Psychology of Women (3 Credits)

Women's experiences: childhood and adolescence, work, family, cultural images, adjustment and social change.

Cross-listed course: PSYC 310

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 311 - Minorities, Women, and the Mass Media (3 Credits)

The study of the relationship among persons of color, women, and the mass media.

Cross-listed course: JOUR 311

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 320 - Sexuality and Gender in Ancient Greece (3 Credits)

Gender roles, standards of sexual behavior, evidence for women's lives, as manifested in ancient Greek literary and archaeological evidence; attitudes toward homosexuality; the modern media's representation of famous Greeks.

Cross-listed course: CLAS 320

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 321 - Sexuality, Gender, and Power in Ancient Rome (3 Credits)

Sexuality as a social construct exemplified in standards of sexual behavior in ancient Rome and their reinforcement of the ruling ideology; feminine virtue, definitions of manliness, attitudes toward homosexuality.

Cross-listed course: CLAS 321

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 333 - Sex, Gender, and Religion (3 Credits)

Gender and sexuality in the shaping of social and individual identity in religious contexts.

Cross-listed course: RELG 333

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 334 - Feminist Philosophy (3 Credits)

Introduces feminist philosophy and applications to philosophical problems.

Cross-listed course: PHIL 334

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 335 - Women in China (3 Credits)

Introduces the connection between gender and the Chinese national imagination. Readings include cultural and historical documents that purport to explain the experience of women in China. Readings in English. Taught in English.

Cross-listed course: CHIN 335

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 351 - The Family in Cross-Cultural Perspective (3 Credits)

Kinship, systems of descent, marriage, and domestic organization in different cultures. Variations in childrearing practices, gender, and other aspects of social relations in kin groups. Cross-listed Course: ANTH 351

Cross-listed course: ANTH 351

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 352 - Gender and Politics (3 Credits)

Impact of gender on the distribution of power in society; foundations for intersections of gender, race, social class, and sexuality and their economic, social, and political concomitants.

Cross-listed course: POLI 352

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 376 - Holy Women (3 Credits)

Holy women from various periods and religious traditions, and how they demonstrate the different ways communities understand ideas of holiness, from piety, martyrdom, monasticism and mysticism to social action.

Cross-listed course: RELG 376

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 379 - Women in Modern Europe (3 Credits)

Survey of women in European history from the eighteenth to the twenty-first century. Focus on women's citizenship beginning with Enlightenment idea of rights through developments in modern feminism.

Cross-listed course: HIST 379

Graduation with Leadership Distinction: GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 381 - Gender and Globalization (3 Credits)

Examines the dialectic between globalization and the social construction of gender. Topics include the global assembly line, transnational markets for domestic labor and sex workers, and global feminist alliances.

Prerequisites: C or better in ANTH 102 or WGST 112.

Cross-listed course: ANTH 381

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 388 - Cultures, Pregnancy, and Birth (3 Credits)

Anthropological study of pregnancy and birth with a cross-cultural focus comparing the United States to other nations. Examination of cultural factors such as prenatal care, dietary practices, taboos, birth location, practitioners, and birthing styles.

Cross-listed course: ANTH 388

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 392 - Global Women's Health (3 Credits)

This course examines health concerns important in the lives of women around the world through an overview of contemporary issues and challenges in the field of global health, broadly construed.

Cross-listed course: ANTH 392

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 398 - Special Topics in Women's and Gender Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 399 - Independent Study (3 Credits)

Contract approved by instructor, advisor, and director of women's studies required for undergraduate students.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

WGST 430 - Topics in Women's Studies (1-3 Credits)

Course content varies and will be announced in the schedule of courses by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 431 - Women's Studies Workshop (1 Credit)

Selected small action-research project on selected issue(s) in women's studies.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences, GLD: Research

WGST 432 - Men and Masculinities (3 Credits)

This course provides an overview of psychological, social, physical, and emotional issues related to men's lives. Major topics include: gender construction, men and work, men and health, men in relationships, male sexualities, men in families, and masculinities in the media and popular culture.

Cross-listed course: PSYC 432

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 437 - Women Writers (3 Credits)

Representative works written by women.

Prerequisites: C or higher in both ENGL 101 and ENGL 102.

Cross-listed course: ENGL 437

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 445 - LGBTQ+ Literature (3 Credits)

This course will examine LGBTQ+ (lesbian, gay, bisexual, trans, queer, and other nonnormative sexual identities) literatures and cultures.

Prerequisites: C or better in ENGL 101 and ENGL 102.

Cross-listed course: ENGL 445

WGST 450 - LGBTQ History in the United States (3 Credits)

Exploration of LGBTQ history and communities in America from the Colonial Era to the present, using lenses of gender and sexuality to understand historical events.

Cross-listed course: HIST 450

WGST 454 - Women and the Law (3 Credits)

Constitutional and statutory case law dealing with gender equality issues. Topics include abortion, affirmative action, pornography, sexual harassment, fetal protection policies, employment discrimination, and women in the military.

Cross-listed course: POLI 454

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 464 - History of American Women (3 Credits)

The social, political, and economic roles and changing status of women in America.

Cross-listed course: HIST 464

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 485 - Women's Rhetoric (3 Credits)

Study of rhetoric by and about women as manifested in speeches, essays, and other rhetorical artifacts.

Cross-listed course: ENGL 485, SPCH 485

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 487 - Black Women Writers (3 Credits)

An examination of literature by and about black women, including fiction, poetry, drama, and autobiography. This study will focus on issues that emerge from the creative representations of black women and the intersections of race, gender, sexuality, and class that interrogate what is both particular and universal experiences.

Prerequisites: ENGL 101; ENGL 102.

Cross-listed course: AFAM 487, ENGL 487

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 499 - Community Service Internship (3 Credits)

Supervised experience addressing a community organization's needs and allowing the student to explore an aspect of the community related to women's and gender studies issues. Contract approval by advisor required.

Prerequisites: C or better in WGST 112 or WGST 113; C or better in one additional WGST course at the 200-level or higher.

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Internships
Experiential Learning: Experiential Learning Opportunity

WGST 515 - Race, Gender, and Graphic Novels (3 Credits)

Representations of race and gender in comics with a special emphasis on the experiences of African Americans.

Cross-listed course: AFAM 515

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 535 - Ecofeminism (3 Credits)

An exploration of the connections between oppression of women and oppression of nature.

Prerequisites: 3 hours in philosophy beyond the 100 level.

Cross-listed course: PHIL 535

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 541 - Issues in Women's Health (3 Credits)

An exploration of women's health and health care concerns from multiple perspectives.

Cross-listed course: NURS 541

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 551 - Adolescent Mentoring (3 Credits)

Application of skills and theories of adolescent mentoring taught in the classroom to a supervised, structured mentoring field experience.

Cross-listed course: CRJU 551

WGST 554 - Women and Crime (3 Credits)

Impact of gender-based relations on crime and the criminal justice system.

Cross-listed course: CRJU 554

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Global Learning, GLD: Professional and Civic Engagement Leadership Experiences

WGST 555 - Language and Gender (3 Credits)

Approaches to gender and language emphasizing the social grounding of both; how language reflects sociocultural values and is a tool for constructing different types of social organization.

Cross-listed course: ANTH 555, LING 541

Graduation with Leadership Distinction: GLD: Diversity and Social Advocacy, GLD: Professional and Civic Engagement Leadership Experiences

WGST 598 - Special Topics in Women's & Gender Studies (3 Credits)

Course content varies and will be announced in the schedule of courses by title. May be repeated as content varies by title.

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 621 - Maternal and Child Health (3 Credits)

Public health issues, social and behavioral science, policies, programs, and services related to maternal and child health in the United States and other countries.

Cross-listed course: HPEB 621

Graduation with Leadership Distinction: GLD: Professional and Civic Engagement Leadership Experiences

WGST 627 - Lesbian, Gay, Bisexual and Transgender (LGBT) Health (3 Credits)

Health status and concerns of lesbian, gay, bisexual, and transgender communities. Includes an examination of measurement issues and methodological considerations in research, as well as intervention efforts targeting LGBT populations.

CAROLINA CORE COURSES

The Carolina Core curriculum has 10 Core components, each with learning outcome and credit hour requirements (http://sc.edu/about/offices_and_divisions/provost/academicpriorities/undergradstudies/carolinacore/requirements/). Honors students have access to additional honors courses (<http://students.schc.sc.edu/courses/>) that may satisfy Carolina Core requirements.

Foundational Courses

Course	Title	Learning Outcome(s)	College	Overlay	Effective Term
AFAM 200	Freedom Papers: Narratives of Race and Nation	VSR	Arts and Sciences		Fall 2021
AFAM 201	Introduction to African American Studies: Social and Historical Foundations	GSS	Arts and Sciences		Fall 2013
AFAM 202	Introduction to African-American Studies	AIU	Arts and Sciences		Fall 2020
AFAM 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	GSS	Arts and Sciences	Overlay Eligible	Spring 2020
AFAM 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	&SR	Arts and Sciences	Overlay Eligible	Spring 2020
AFAM 355	Race and Ethnic Relations	GSS	Arts and Sciences		Fall 2017
ANTH 101	Primates, People, and Prehistory	GSS	Arts and Sciences		Fall 2014
ANTH 102	Understanding Other Cultures	GSS	Arts and Sciences		Fall 2013

ANTH 161	Human Origins: An Introduction to Biological Anthropology	SCI	Arts and Sciences		Fall 2013
ANTH 204	Plagues Past and Present	GSS	Arts and Sciences		Fall 2013
ANTH 210	Human Life Cycles in Different Cultures	GSS	Arts and Sciences		Fall 2013
ANTH 211	Learning Across Cultures	GSS	Arts and Sciences		Fall 2013
ANTH 212	Food and Culture	GSS	Arts and Sciences	Overlay Eligible	Fall 2017
ANTH 212	Food and Culture	VSR	Arts and Sciences	Overlay Eligible	Fall 2017
ANTH 213	Ethnobotany: Plants and Peoples	GSS	Arts and Sciences		Fall 2017
ANTH 216	Violence and Peace: An Anthropological Perspective	VSR	Arts and Sciences		Spring 2018
ANTH 244	American Indian Nations Today: From Hard Times to Hard Rock	GSS	Arts and Sciences	Overlay Eligible	Fall 2020
ANTH 244	American Indian Nations Today: From Hard Times to Hard Rock	VSR	Arts and Sciences	Overlay Eligible	Fall 2020
ANTH 273	Cross-Cultural Communication	GSS	Arts and Sciences		Summer 2020
ANTH 280	Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout	GSS	Arts and Sciences	Overlay Eligible	Spring 2020

ANTH 280	Humans Going Nuclear: Atomic Bombs, Cold War, and the Fallout	VSR	Arts and Sciences	Overlay Eligible	Spring 2020	BIOL 120L	Laboratory in Human Biology	SCI	Arts and Sciences		Fall 2013
ARAB 121	Elementary Arabic	GFL	Arts and Sciences		Fall 2013	BIOL 202	Infectious Diseases, Human Health, and Ethics	SCI	Arts and Sciences	Overlay Eligible	Spring 2022
ARAB 122	Basic Proficiency in Arabic	GFL	Arts and Sciences		Fall 2013	BIOL 202	Infectious Diseases, Human Health, and Ethics	VSR	Arts and Sciences	Overlay Eligible	Spring 2022
ARTE 101	Introduction to Art	AIU	Arts and Sciences		Fall 2013	BIOL 206	Genetics and Society	SCI	Arts and Sciences		Fall 2013
ARTE 260	Interdisciplinary Relationships in the Arts	AIU	Arts and Sciences		Fall 2014	BIOL 208	Our Hungry World from Malthus to McDonalds	SCI	Arts and Sciences	Overlay Eligible	Fall 2013
ARTH 105	History of Western Art I	AIU	Arts and Sciences		Fall 2013	BIOL 208	Our Hungry World from Malthus to McDonalds	VSR	Arts and Sciences	Overlay Eligible	Fall 2013
ARTH 106	History of Western Art II	AIU	Arts and Sciences		Fall 2013	BIOL 243	Human Anatomy and Physiology I	SCI	Arts and Sciences		Fall 2013
ARTH 107	History of Asian Art	GHS	Arts and Sciences		Spring 2018	BIOL 243L	Human Anatomy and Physiology Laboratory	SCI	Arts and Sciences		Fall 2013
ARTS 103	Fundamentals of Art	AIU	Arts and Sciences		Fall 2013	BIOL 244	Human Anatomy and Physiology II	SCI	Arts and Sciences		Fall 2013
ARTS 104	3-Dimensional Design I	AIU	Arts and Sciences		Fall 2013	BIOL 244L	Human Anatomy and Physiology Laboratory	SCI	Arts and Sciences		Fall 2013
ARTS 210	Introduction to Painting	AIU	Arts and Sciences		Fall 2015	BIOL 270	Introduction to Environmental Biology	SCI	Arts and Sciences		Fall 2013
ASTR 101	Introduction to Astronomy	SCI	Arts and Sciences		Spring 2014	BIOL 270L	Introduction to Environmental Biology Laboratory	SCI	Arts and Sciences		Fall 2013
ASTR 201	Introduction to Astronomy II: The Dark Universe	SCI	Arts and Sciences		Spring 2016	CHEM 101	Fundamental Chemistry I	SCI	Arts and Sciences		Fall 2015
BIOL 101	Biological Principles I	SCI	Arts and Sciences		Fall 2013	CHEM 102	Fundamental Chemistry II	SCI	Arts and Sciences		Fall 2014
BIOL 101L	Biological Principles I Laboratory	SCI	Arts and Sciences		Fall 2013						
BIOL 102	Biological Principles II	SCI	Arts and Sciences		Fall 2013						
BIOL 102L	Biological Principles II Laboratory	SCI	Arts and Sciences		Fall 2013						
BIOL 110	General Biology	SCI	Arts and Sciences		Fall 2013						
BIOL 120	Human Biology	SCI	Arts and Sciences		Fall 2013						

CHEM 105	Chemistry and Modern Society I	SCI	Arts and Sciences		Fall 2013	CSCE 145	Algorithmic Design I	ARP	Engr & Computing		Fall 2013
CHEM 107	Forensic Chemistry	SCI	Arts and Sciences		Fall 2016	CSCE 390	Professional Issues in Computer Science and Engineering	VSR	Engr & Computing		Fall 2013
CHEM 111	General Chemistry I	SCI	Arts and Sciences		Fall 2013	DANC 101	Dance Appreciation	AIU	Arts and Sciences		Fall 2013
CHEM 111L	General Chemistry I Lab	SCI	Arts and Sciences		Fall 2020	ECON 436	Introductory Econometrics	ARP	Darla Moore School of Business		Fall 2018
CHEM 112	General Chemistry II	SCI	Arts and Sciences		Fall 2013	EDEX 205	Understanding the Foundations of Disability	GSS	Education		Summer 2018
CHEM 112L	General Chemistry II Lab	SCI	Arts and Sciences		Fall 2014	EDTE 202	Global Citizenship and Social Responsibility through Education	GSS	Education	Overlay Eligible	Spring 2020
CHEM 141	Principles of Chemistry I	SCI	Arts and Sciences		Fall 2013	EDTE 202	Global Citizenship and Social Responsibility through Education	VSR	Education	Overlay Eligible	Spring 2020
CHIN 121	Elementary Chinese Mandarin	GFL	Arts and Sciences		Fall 2013	EDTE 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	GSS	Education	Overlay Eligible	Spring 2020
CHIN 122	Basic Proficiency in Mandarin Chinese	GFL	Arts and Sciences		Fall 2013	EDTE 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	VSR	Education	Overlay Eligible	Spring 2020
CLAS 220	Introduction to Classical Mythology	AIU	Arts and Sciences		Fall 2013	EDUC 360	Global and Multicultural Perspective on Education in International Settings	GSS	Education		Fall 2013
COLA 298	Interdisciplinary Special Topics in the Liberal Arts: Social Sciences	GSS	Undergraduate Studies		Fall 2013						
CPLT 150	Values and Ethics in Literature	AIU	Arts and Sciences	Overlay Eligible	Fall 2014						
CPLT 150	Values and Ethics in Literature	VSR	Arts and Sciences	Overlay Eligible	Fall 2014						
CPLT 270	World Literature	AIU	Arts and Sciences		Fall 2013						
CRJU 101	The American Criminal Justice System	GSS	Arts and Sciences		Fall 2013						
CSCE 101	Introduction to Computer Concepts	ARP	Engr & Computing		Fall 2013						
CSCE 102	General Applications Programming	ARP	Engr & Computing		Fall 2013						

ENGL 101	Critical Reading and Composition	CMW	Arts and Sciences		Fall 2013	FAMS 110	Media Culture	AIU	Arts and Sciences	Fall 2016
ENGL 102	Rhetoric and Composition	CMW	Arts and Sciences	Overlay Eligible	Fall 2013	FAMS 180	Film Culture	AIU	Arts and Sciences	Fall 2016
ENGL 102	Rhetoric and Composition	INF	Arts and Sciences	Overlay Eligible	Fall 2013	FAMS 240	Film and Media Analysis	AIU	Arts and Sciences	Fall 2016
ENGL 200	Creative Writing, Voice, and Community	AIU	Arts and Sciences	Overlay Eligible	Spring 2019	FAMS 300	Film and Media History	GHS	Arts and Sciences	Fall 2016
ENGL 200	Creative Writing, Voice, and Community	VSR	Arts and Sciences	Overlay Eligible	Spring 2019	FREN 109	Beginning French I	GFL	Arts and Sciences	Fall 2013
ENGL 270	World Literature	AIU	Arts and Sciences		Fall 2013	FREN 110	Beginning French II	GFL	Arts and Sciences	Fall 2013
ENGL 280	Literature and Society	AIU	Arts and Sciences	Overlay Eligible	Spring 2020	FREN 121	Elementary French	GFL	Arts and Sciences	Fall 2013
ENGL 280	Literature and Society	VSR	Arts and Sciences	Overlay Eligible	Spring 2020	FREN 122	Basic Proficiency in French	GFL	Arts and Sciences	Fall 2013
ENGL 282	Special Topics in Fiction	AIU	Arts and Sciences		Fall 2013	FREN 290	French Literature in Translation	AIU	Arts and Sciences	Fall 2013
ENGL 283	Special Topics in British Literature	AIU	Arts and Sciences		Fall 2013	GEOG 103	Introduction to Geography	GSS	Arts and Sciences	Fall 2013
ENGL 284	Drama	AIU	Arts and Sciences		Fall 2013	GEOG 104	Introduction to Physical Geography	SCI	Arts and Sciences	Fall 2013
ENGL 285	Special Topics in American Literature	AIU	Arts and Sciences		Fall 2013	GEOG 105	The Digital Earth	ARP	Arts and Sciences	Fall 2016
ENGL 286	Poetry	AIU	Arts and Sciences		Fall 2013	GEOG 121	Globalization and World Regions	GSS	Arts and Sciences	Fall 2013
ENGL 287	American Literature	AIU	Arts and Sciences		Fall 2013	GEOG 201	Landform Geography	SCI	Arts and Sciences	Fall 2013
ENGL 288	English Literature	AIU	Arts and Sciences		Fall 2013	GEOG 202	Weather and Climate	SCI	Arts and Sciences	Fall 2013
ENVR 101	Introduction to the Environment	SCI	Arts and Sciences		Fall 2013	GEOG 210	Peoples, Places, and Environments	GSS	Arts and Sciences	Fall 2013
ENVR 101L	Introduction to the Environment Lab	SCI	Arts and Sciences		Fall 2013	GEOG 221	Geography of South Carolina	GSS	Arts and Sciences	Fall 2013
ENVR 200	Natural History of South Carolina	SCI	Arts and Sciences		Fall 2014	GEOG 223	Geography of Latin America	GSS	Arts and Sciences	Fall 2013
ENVR 322	Environmental Ethics	VSR	Arts and Sciences		Fall 2020	GEOG 224	Geography of North America	GSS	Arts and Sciences	Fall 2013
						GEOG 225	Geography of Europe	GSS	Arts and Sciences	Fall 2013
						GEOG 226	Geography of the Middle East	GSS	Arts and Sciences	Fall 2013

GEOG 228	Geography of Sub-Saharan Africa	GSS	Arts and Sciences	Fall 2013	HIST 102	European Civilization from the Mid-17th Century	GHS	Arts and Sciences	Fall 2013	
GEOL 101	Introduction to the Earth	SCI	Arts and Sciences	Fall 2013	HIST 103	Introduction to South Asian History	GHS	Arts and Sciences	Fall 2016	
GEOL 103	Environment of the Earth	SCI	Arts and Sciences	Fall 2013	HIST 104	Introduction to the Civilization of the Islamic Middle East	GHS	Arts and Sciences	Fall 2013	
GEOL 110	Cultural Geology	SCI	Arts and Sciences	Fall 2013	HIST 105	Introduction to East Asian Civilization	GHS	Arts and Sciences	Fall 2013	
GEOL 205	Earth Resources	SCI	Arts and Sciences	Fall 2013	HIST 106	Introduction to African History	GHS	Arts and Sciences	Fall 2013	
GEOL 215	Coastal Environment of the Southeastern U.S.	SCI	Arts and Sciences	Fall 2013	HIST 108	Science and Technology in World History	GHS	Arts and Sciences	Overlay Eligible	Fall 2013
GEOL 215L	Coastal Environments of the Southeastern U.S. (Laboratory)	SCI	Arts and Sciences	Fall 2013	HIST 108	Science and Technology in World History	VSR	Arts and Sciences	Overlay Eligible	Fall 2013
GEOL 230	Geology of the National Parks	SCI	Arts and Sciences	Fall 2013	HIST 109	Introduction to Latin American Civilization	GHS	Arts and Sciences	Fall 2013	
GERM 109	Beginning German I	GFL	Arts and Sciences	Fall 2013	HIST 110	Conquest, Colonization, and Captivity: A Cultural History of the Americas from 1441 to 1888	GHS	Arts and Sciences	Overlay Eligible	Spring 2021
GERM 110	Beginning German II	GFL	Arts and Sciences	Fall 2013	HIST 110	Conquest, Colonization and Captivity: A Cultural History of the Americas from 1441 to 1888	VSR	Arts and Sciences	Overlay Eligible	Spring 2021
GERM 121	Elementary German	GFL	Arts and Sciences	Fall 2013						
GERM 122	Basic Proficiency in German	GFL	Arts and Sciences	Fall 2013						
GERM 270	Knights and Ladies	AIU	Arts and Sciences	Fall 2015						
GERM 280	German Culture and Civilization	GHS	Arts and Sciences	Fall 2013						
GERM 290	Viking Mythology	AIU	Arts and Sciences	Fall 2013						
GREK 121	Elementary Ancient Greek I	GFL	Arts and Sciences	Fall 2013						
GREK 122	Elementary Ancient Greek II	GFL	Arts and Sciences	Fall 2013						
HIST 101	European Civilization from Ancient Times to the Mid-17th Century	GHS	Arts and Sciences	Fall 2013						

HIST 111	United States History to 1865	GHS	Arts and Sciences		Fall 2013	LATN 110	Beginning Latin II	GFL	Arts and Sciences		Fall 2013
HIST 112	United States History since 1865	GHS	Arts and Sciences		Fall 2013	LATN 121	Elementary Latin	GFL	Arts and Sciences		Fall 2013
HIST 214	The Practice of Public History	GHS	Arts and Sciences		Fall 2013	LATN 122	Basic Proficiency in Latin	GFL	Arts and Sciences		Fall 2013
HRTM 280	Foundations of Tourism	GSS	College Hosp Retail Sport Mgmt		Fall 2013	LIBR 101	Information Literacy	INF	Undergraduate Studies		Fall 2013
ISCI 202	Introduction to Information Literacy and Technology	INF	Information & Communications		Fall 2022	LING 101	Linguistics 1: Introduction to Language	GSS	Arts and Sciences		Spring 2014
ITAL 121	Elementary Italian	GFL	Arts and Sciences		Fall 2013	LING 240	Language Conflict and Language Rights	VSR	Arts and Sciences		Spring 2014
ITAL 122	Basic Proficiency in Italian	GFL	Arts and Sciences		Fall 2013	LING 273	Cross-Cultural Communication	GSS	Arts and Sciences		Summer 2020
JAPA 121	Elementary Japanese	GFL	Arts and Sciences		Fall 2013	MART 101	Making Media That Matters	AIU	Arts and Sciences		Fall 2022
JAPA 122	Basic Proficiency in Japanese	GFL	Arts and Sciences		Fall 2013	MART 110	Media Culture	AIU	Arts and Sciences		Fall 2013
JSTU 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	GSS	Arts and Sciences	Overlay Eligible	Spring 2020	MART 201	Foundations of Media Arts Production	AIU	Arts and Sciences		Fall 2020
JSTU 218	Convergence and Divergence in African American and Jewish Relations: Historical and Contemporary	SR	Arts and Sciences	Overlay Eligible	Spring 2020	MART 210	Digital Media Arts Fundamentals	AIU	Arts and Sciences		Fall 2013
LASP 331	Geography of Latin America	GSS	Arts and Sciences		Fall 2013	MATH 122	Calculus for Business Administration and Social Sciences	ARP	Arts and Sciences		Fall 2013
LATN 109	Beginning Latin I	GFL	Arts and Sciences		Fall 2013	MATH 141	Calculus I	ARP	Arts and Sciences		Fall 2013
						MATH 142	Calculus II	ARP	Arts and Sciences		Fall 2013
						MATH 170	Finite Mathematics	ARP	Arts and Sciences		Fall 2013
						MATH 172	Mathematical Modeling for the Life Sciences	ARP	Arts and Sciences		Fall 2013
						MATH 174	Discrete Mathematics for Computer Science	ARP	Arts and Sciences		Fall 2016
						MSCI 101	The Ocean Environment	SCI	Arts and Sciences		Fall 2013

MSCI 102	The Living Ocean	SCI	Arts and Sciences	Fall 2013	PHIL 213	Communications Moral Issues	CMS	Arts and Sciences	Overlay Eligible	Fall 2016
MSCI 210	Oceans and Society	SCI	Arts and Sciences	Fall 2013	PHIL 213	Communications Moral Issues	VSR	Arts and Sciences	Overlay Eligible	Fall 2016
MSCI 210L	Oceans and Society Laboratory	SCI	Arts and Sciences	Fall 2013	PHIL 320	Ethics	VSR	Arts and Sciences		Fall 2013
MSCI 215	Coastal Environments of the Southeastern US	SCI	Arts and Sciences	Fall 2013	PHIL 321	Medical Ethics	VSR	Arts and Sciences		Fall 2013
MSCI 215L	Coastal Environment of the Southeastern U.S. (Laboratory)	SCI	Arts and Sciences	Fall 2013	PHIL 322	Environmental Ethics	VSR	Arts and Sciences		Fall 2013
MUSC 110	Introduction to Music	AIU	School of Music	Fall 2013	PHIL 324	Business Ethics	VSR	Arts and Sciences		Fall 2016
MUSC 113	Special Topics in Popular Music	AIU	School of Music	Fall 2013	PHIL 325	Engineering Ethics	CMS	Arts and Sciences	Overlay Eligible	Fall 2013
MUSC 114	Introduction to Music Theory	AIU	School of Music	Fall 2013	PHIL 325	Engineering Ethics	VSR	Arts and Sciences	Overlay Eligible	Fall 2013
MUSC 115	Music Theory I	AIU	School of Music	Fall 2013	PHIL 335	Disobedience, and Revolution	VSR	Arts and Sciences		Spring 2021
MUSC 140	Jazz and American Popular Music	AIU	School of Music	Fall 2013	PHYS 101	The Physics of How Things Work I	SCI	Arts and Sciences		Fall 2020
MUSC 210	Understanding the Psychology of Music	GSS	School of Music	Summer 2017	PHYS 101L	The Physics of How Things Work I Lab	SCI	Arts and Sciences		Fall 2020
MUSC 310	Selected Topics	AIU	School of Music	Fall 2015	PHYS 201	General Physics I	SCI	Arts and Sciences		Fall 2013
PHIL 103	Special Topics in Ethics and Values	VSR	Arts and Sciences	Fall 2013	PHYS 201L	General Physics Laboratory I	SCI	Arts and Sciences		Fall 2013
PHIL 111	Introduction to Logic II	ARP	Arts and Sciences	Fall 2017	PHYS 202	General Physics II	SCI	Arts and Sciences		Fall 2013
PHIL 114	Introduction to Formal Logic I	ARP	Arts and Sciences	Fall 2016	PHYS 202L	General Physics Laboratory II	SCI	Arts and Sciences		Fall 2013
PHIL 115	Introduction to Formal Logic II	ARP	Arts and Sciences	Fall 2020	PHYS 211	Essentials of Physics I	SCI	Arts and Sciences		Fall 2013
PHIL 211	Contemporary Moral Issues	VSR	Arts and Sciences	Fall 2013	PHYS 211L	Essentials of Physics I Lab	SCI	Arts and Sciences		Fall 2013
					PHYS 212	Essentials of Physics II	SCI	Arts and Sciences		Fall 2013
					PHYS 212L	Essentials of Physics II Lab	SCI	Arts and Sciences		Fall 2013
					POLI 101	Introduction to Global Politics	GSS	Arts and Sciences		Fall 2013

POLI 201	American National Government	GSS	Arts and Sciences	Overlay Eligible	Fall 2013	SOCY 101	Introductory Sociology	GSS	Arts and Sciences	Spring 2014
POLI 201	American National Government	VSR	Arts and Sciences	Overlay Eligible	Fall 2014	SOCY 301	Sex and Gender	GSS	Arts and Sciences	Fall 2018
POLI 240	Language Conflict and Language Rights	VSR	Arts and Sciences		Spring 2018	SOCY 307	Sociology of Religion	GSS	Arts and Sciences	Fall 2017
POLI 302	Classical and Medieval Political Theory	VSR	Arts and Sciences		Fall 2013	SOCY 309	An Introduction to Social Inequality	GSS	Arts and Sciences	Fall 2017
POLI 303	Modern Political Theory	VSR	Arts and Sciences		Fall 2013	SOCY 310	Social Demography	GSS	Arts and Sciences	Fall 2017
POLI 304	Contemporary Political Theory	VSR	Arts and Sciences		Fall 2013	SOCY 340	Introduction to Social Problems	GSS	Arts and Sciences	Fall 2017
PORT 121	Elementary Portuguese	GFL	Arts and Sciences		Fall 2013	SOCY 355	Race and Ethnic Relations	GSS	Arts and Sciences	Fall 2017
PORT 122	Basic Proficiency in Portuguese	GFL	Arts and Sciences		Fall 2013	SOST 101	The Literary South	AIU	Arts and Sciences	Fall 2014
PSYC 101	Introduction to Psychology	GSS	Arts and Sciences		Fall 2013	SOST 302	Introduction to Southern Studies: The Twentieth Century	GHS	Arts and Sciences	Fall 2018
RELG 101	Exploring Religion	GSS	Arts and Sciences		Fall 2016	SOWK 222	Social Welfare Policies and Programs	GSS	Social Work	Fall 2018
RELG 205	Morality, Ethics, and Religion	VSR	Arts and Sciences		Fall 2014	SPAN 109	Beginning Spanish I	GFL	Arts and Sciences	Fall 2013
RELG 270	Religion and the Arts	AIU	Arts and Sciences		Spring 2015	SPAN 110	Beginning Spanish II	GFL	Arts and Sciences	Fall 2013
RELG 338	Sociology of Religion	GSS	Arts and Sciences		Fall 2017	SPAN 111	Intensive Beginning Spanish	GFL	Arts and Sciences	Fall 2013
RUSS 121	Elementary Russian	GFL	Arts and Sciences		Fall 2013	SPAN 121	Elementary Spanish	GFL	Arts and Sciences	Fall 2013
RUSS 122	Basic Proficiency in Russian	GFL	Arts and Sciences		Fall 2013	SPAN 122	Basic Proficiency in Spanish	GFL	Arts and Sciences	Fall 2013
RUSS 280	Introduction to Russian Civilization	AIU	Arts and Sciences		Fall 2013	SPAN 220	Selected Works of Hispanic Literature in English Translation	AIU	Arts and Sciences	Fall 2013
SAEL 200	Social Advocacy and Ethical Life	CMS	Arts and Sciences	Overlay Eligible	Fall 2013	SPCH 140	Public Communication	CMS	Arts and Sciences	Fall 2013
SAEL 200	Social Advocacy and Ethical Life	VSR	Arts and Sciences	Overlay Eligible	Fall 2013	SPCH 145	Online Public Communication	CMS	Arts and Sciences	Overlay Eligible Spring 2017

SPCH 145	Online Public Communication	INF	Arts and Sciences	Overlay Eligible	Spring 2017
SPCH 213	Communications Moral Issues	CMS	Arts and Sciences	Overlay Eligible	Fall 2016
SPCH 213	Communications Moral Issues	VSR	Arts and Sciences	Overlay Eligible	Fall 2016
SPCH 230	Business and Professional Speaking	CMS	Arts and Sciences		Fall 2015
SPCH 260	Argumentation and Debate	CMS	Arts and Sciences		Fall 2015
SPTE 385	Ethics in Sport and Entertainment Business	VSR	College Hosp Retail Sport Mgmt		Fall 2020
STAT 110	Introduction to Statistical Reasoning	ARP	Arts and Sciences		Fall 2013
STAT 112	Statistics and the Media	ARP	Arts and Sciences	Overlay Eligible	Fall 2013
STAT 112	Statistics and the Media	INF	Arts and Sciences	Overlay Eligible	Fall 2013
STAT 201	Elementary Statistics	ARP	Arts and Sciences		Fall 2013
STAT 205	Elementary Statistics for the Biological and Life Sciences	ARP	Arts and Sciences		Fall 2013
STAT 206	Elementary Statistics for Business	ARP	Arts and Sciences		Spring 2016
THEA 170	Fundamentals of Acting	AJU	Arts and Sciences		Fall 2013
THEA 181	Shakespeare in Performance	AJU	Arts and Sciences		Fall 2013
THEA 200	Understanding and Appreciation of Theatre	AJU	Arts and Sciences		Fall 2013
WGST 112	Introduction to Women's and Gender Studies	GSS	Arts and Sciences	Overlay Eligible	Fall 2013
WGST 112	Introduction to Women's and Gender Studies	VSR	Arts and Sciences	Overlay Eligible	Fall 2013

WGST 113	Women's Health	GSS	Arts and Sciences		Fall 2013
WGST 210	Human Life Cycles in Different Cultures	GSS	Arts and Sciences		Fall 2013
WGST 300	Sex and Gender	GSS	Arts and Sciences		Fall 2020

Integrative Courses (by Major)

Students must complete an integrative course in their chosen major.

College of Arts and Sciences

African-American Studies, B.A.

Course	Title	Credits
AFAM 498	Seminar in African-American Studies	3
AFAM 499	Seminar in African-American Studies	3

Anthropology, B.A.

Course	Title	Credits
AFAM 366	Medicine, Disease, and Slavery	3
ANTH 261	Human Variation	3
ANTH 319	Principles of Archaeology	3
ANTH 320	Archaeology Theory	3
ANTH 355	Language, Culture, and Society	3
ANTH 366	Medicine, Disease, and Slavery	3
ANTH 371	Ethnography of Communication	3
ANTH 381	Gender and Globalization	3
ANTH 518	Visual Cultures	3
ANTH 581	Globalization and Cultural Questions	3
GEOG 581	Globalization and Cultural Questions	3
LING 340	Language, Culture, and Society	3
WGST 381	Gender and Globalization	3

Art Education, B.F.A.

Course	Title	Credits
ARTE 565	Field Experience Seminar	3
ARTE 571	Directed Teaching in Art	12

Art History, B.A.

Course	Title	Credits
ARTH 501	Methodologies of Art History	3
ARTH 511	Etruscan Art and Archaeology	3
ARTH 514	Topics in Ancient Art	3
ARTH 519	Topics in Medieval Art	3
ARTH 520	History of Renaissance Painting	3
ARTH 521	History of Renaissance Sculpture	3
ARTH 522	History of Renaissance Architecture	3
ARTH 523	Florentine Art	3
ARTH 524	Topics in Renaissance Art	3
ARTH 525	History of Baroque Painting	3
ARTH 526	History of Baroque Sculpture	3
ARTH 527	History of Baroque Architecture	3
ARTH 529	Topics in 18th-Century Art	3
ARTH 534	Topics in 19th-Century Art	3

ARTH 535	History of Modern Painting	3
ARTH 536	History of Modern Sculpture	3
ARTH 537	Topics in Modern Architecture	3
ARTH 539	Topics in Modern Art	3
ARTH 540	History of American Painting	3
ARTH 542	History of American Architecture	3
ARTH 543	The History of American Antiques and Decorative Arts	3
ARTH 544	Topics in American Art	3
ARTH 549	Topics in Non-Western Art	3
ARTH 550	Trends in Art History	3
ARTH 557	History of Printmaking	3
ARTH 590	Topics in Art History	3

Art Studio, BA

Course	Title	Credits
ARTS 310	Intermediate Painting I	4
ARTS 311	Intermediate Painting II	4
ARTS 315	Intermediate Printmaking I: Relief	4
ARTS 316	Intermediate Printmaking II: Screen	4
ARTS 320	Intermediate Ceramics I	4
ARTS 321	Intermediate Ceramics II	4
ARTS 325	Intermediate Three-Dimensional Studies I	4
ARTS 326	Intermediate Three-Dimensional Studies II	4
ARTS 330	Intermediate Drawing I	4
ARTS 331	Intermediate Drawing II	4
ARTS 360	Advanced Black & White Photography	4
ARTS 361	Digital Photography	4

Art Studio, B.F.A.

Course	Title	Credits
ARTS 447	Senior Project I	4
ARTS 448	Portfolio Studio	4
ARTS 500	Visual Meaning	4
ARTS 510	Painting I	6
ARTS 511	Painting II	6
ARTS 516	Capstone Printmaking I: Professional Practices	3-6
ARTS 517	Capstone Printmaking II: Exhibition	3-6
ARTS 520	Ceramics I	6
ARTS 521	Ceramics II	6
ARTS 525	Three-Dimensional Studies I	3-6
ARTS 526	Three-Dimensional Studies II	3-6
ARTS 530	Drawing Capstone I	3-6
ARTS 531	Drawing Capstone II	6
ARTS 560	Photography Thesis: Portfolio	6
ARTS 561	Photography Thesis: Exhibition	6

Biochemistry & Molecular Biology, B.S.

Course	Title	Credits
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542L	Physical Chemistry Laboratory	2

Biological Sciences, B.S.

Course	Title	Credits
BIOL 301	Ecology and Evolution	3
BIOL 302	Cell and Molecular Biology	3
BIOL 303	Fundamental Genetics	3

Cardiovascular Technology, B.S.

None

Chemistry, B.S.

Course	Title	Credits
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542L	Physical Chemistry Laboratory	2

Chemistry, B.S.Chem.

Course	Title	Credits
CHEM 541L	Physical Chemistry Laboratory	2
CHEM 542L	Physical Chemistry Laboratory	2

Criminology & Criminal Justice, B.A.

Course	Title	Credits
CRJU 426	Criminal Justice and Mental Health	3
CRJU 430	Communities and Crime	3
CRJU 554	Women and Crime	3
CRJU 558	Crime Over the Life Course	3
CRJU 563	Race, Crime, and Criminal Justice	3
CRJU 575	The Death Penalty	3
CRJU 577	Law and Criminal Justice Policy	3
CRJU 591	Selected Topics in Criminal Justice	3
WGST 554	Women and Crime	3

Cyber Intelligence, B.S.

• None

Dance, B.A.

Course	Title	Credits
DANC 360	Choreography I	3
DANC 478	Integrated Approaches in Dance Education	5
DANC 479	Teaching Internship in Dance Education	12
DANC 490	Senior Capstone Dance Project	3

Economics, B.A. & B.S.

Course	Title	Credits
ECON 436	Introductory Econometrics	3
ECON 511	Senior Seminar in Economics	3

English, B.A.

Course	Title	Credits
AFAM 428A	African-American Literature I: to 1903	3
AFAM 428B	African-American Literature II: 1903 – Present	3
AFAM 442	African-American English	3
AFAM 486	African-American Rhetoric	3
AFAM 565	African American Theatre	3
ANTH 442	African-American English	3
CLAS 471	Rhetoric and the Ancient Roots of Modern Life	3
CPLT 301	Great Books of the Western World I	3
CPLT 302	Great Books of the Western World II	3

CPLT 303	Great Books of the Eastern World	3	ENGL 430	Topics in African American Literature	3
CPLT 380	Epic to Romance	3	ENGL 431A	Children's Literature	3
CPLT 381	The Renaissance	3	ENGL 431B	Picture Books	3
CPLT 382	The Enlightenment	3	ENGL 432	Young Adult Literature	3
CPLT 383	Romanticism	3	ENGL 433	Special Topics in Children's and Young Adult Literature	3
CPLT 384	Realism	3	ENGL 434	Environmental Literature	3
CPLT 385	Modernism	3	ENGL 435	The Short Story	3
CPLT 386	Postmodernism	3	ENGL 436	Science Fiction Literature	3
ENGL 360	Creative Writing	3	ENGL 437	Women Writers	3
ENGL 370	Language in the USA	3	ENGL 438A	South Carolina Writers	3
ENGL 380	Epic to Romance	3	ENGL 438B	Scottish Literature	3
ENGL 381	The Renaissance	3	ENGL 438C	Irish Literature	3
ENGL 382	The Enlightenment	3	ENGL 438D	African Literature	3
ENGL 383	Romanticism	3	ENGL 438E	Caribbean Literature	3
ENGL 384	Realism	3	ENGL 439	Selected Topics	3
ENGL 385	Modernism	3	ENGL 440	Principles of Modern Literary Theory	3
ENGL 386	Postmodernism	3	ENGL 449	Special Topics in Theory	3
ENGL 387	Introduction to Rhetoric	3	ENGL 450	English Grammar	3
ENGL 388	History of Literary Criticism and Theory	3	ENGL 453	Development of the English Language	3
ENGL 389	The English Language	3	ENGL 455	Language in Society	3
ENGL 390	Great Books of the Western World I	3	ENGL 457	African-American English	3
ENGL 391	Great Books of the Western World II	3	ENGL 460	Advanced Writing	3
ENGL 392	Great Books of the Eastern World	3	ENGL 461	The Teaching of Writing	3
ENGL 395	Classical Drama	3	ENGL 464	Poetry Workshop	3
ENGL 400	Early English Literature	3	ENGL 465	Fiction Workshop	3
ENGL 401	Chaucer	3	ENGL 467	Topics in Rhetoric	3
ENGL 402	Tudor Literature	3	ENGL 469	Creative Nonfiction	3
ENGL 403	The 17th Century	3	ENGL 470	Rhetoric of Science and Technology	3
ENGL 404	English Drama to 1660	3	ENGL 471	Rhetoric and the Ancient Roots of Modern Life	3
ENGL 405	Shakespeare's Tragedies	3	ENGL 472	Rhetoric and Popular Culture	3
ENGL 406	Shakespeare's Comedies and Histories	3	ENGL 485	Women's Rhetoric	3
ENGL 407	Milton	3	ENGL 486	African-American Rhetoric	3
ENGL 410	The Restoration and 18th Century	3	ENGL 490	Topics in Advanced Study	3
ENGL 411	British Romantic Literature	3	ENGL 491	Advanced Poetry Workshop	3
ENGL 412	Victorian Literature	3	ENGL 492	Advanced Fiction Workshop	3
ENGL 413	Modern English Literature	3	ENGL 493	Advanced Creative Non-Fiction	3
ENGL 414	English Drama Since 1660	3	ENGL 499	Thesis	3
ENGL 415	The English Novel I	3	ENGL 550	Advanced English Grammar	3
ENGL 416	The English Novel II	3	ENGL 565	African American Theatre	3
ENGL 419	Topics in English Literature	3	ENGL 566	Special Topics in U.S. Film and Media	3
ENGL 420	American Literature to 1830	3	FAMS 566	Special Topics in U.S. Film and Media	3
ENGL 421	American Literature 1830-1860	3	LING 301	The English Language	3
ENGL 422	American Literature 1860-1910	3	LING 345	Language in the USA	3
ENGL 423	Modern American Literature	3	LING 421	English Grammar	3
ENGL 424	American Drama	3	LING 431	Development of the English Language	3
ENGL 425A	The American Novel to 1914	3	LING 440	Language in Society	3
ENGL 425B	The American Novel Since 1914	3	LING 442	African-American English	3
ENGL 426	American Poetry	3	LING 521	Advanced English Grammar	3
ENGL 427	Southern Literature	3	MART 593	Special Topics in U.S. Film and Media	3
ENGL 428A	African-American Literature I: to 1903	3	SPCH 387	Introduction to Rhetoric	3
ENGL 428B	African-American Literature II: 1903 – Present	3	SPCH 470	Rhetoric of Science and Technology	3
ENGL 429	Topics in American Literature	3			

SPCH 471	Rhetoric and the Ancient Roots of Modern Life	3
SPCH 472	Rhetoric and Popular Culture	3
SPCH 485	Women's Rhetoric	3
SPCH 486	African-American Rhetoric	3
THEA 565	African American Theatre	3
WGST 437	Women Writers	3
WGST 485	Women's Rhetoric	3

Environmental Science, B.S.

Course	Title	Credits
ENVR 201	Environmental Science and Policy I	4
ENVR 202	Environmental Science and Policy II	4

Environmental Studies, B.A.

Course	Title	Credits
ENVR 201	Environmental Science and Policy I	4
ENVR 202	Environmental Science and Policy II	4

European Studies, B.A.

Course	Title	Credits
EURO 490	Senior Seminar	3

Experimental Psychology, B.A. & B.S.

Course	Title	Credits
ANTH 373	Introduction to Language Sciences	3
LING 300	Introduction to Language Sciences	3
PSYC 400	Survey of Learning and Memory	3
PSYC 405	Cognitive Psychology	3
PSYC 410	Behavioral and Mental Disorders	3
PSYC 420	Survey of Developmental Psychology	3
PSYC 430	Survey of Social Psychology	3
PSYC 440	Survey of Personality	3
PSYC 450	Sensation and Perception	3
PSYC 460	Brain and Behavior	3
PSYC 465	Health Psychology	3
PSYC 470	Introduction to Language Sciences	3
PSYC 487	Community Psychology	3
PSYC 503	Psychology of Drug Use and Effects	3
PSYC 507	Cognitive Neuroscience	3
PSYC 510	Child Behavioral and Mental Disorders	3

Film and Media Studies, B.A.

Course	Title	Credits
ARTH 551	Special Topics in Film and Media Studies	3
ARTH 569	Special Topics in Film and Media Histories	3
ENGL 566	Special Topics in U.S. Film and Media	3
FAMS 510	Special Topics in Film and Media Histories	3
FAMS 511	Special Topics in Film and Media Studies	3
FAMS 566	Special Topics in U.S. Film and Media	3
FAMS 598	Special Topics in Global Film and Media	3
FORL 598	Special Topics in Global Film and Media	3
MART 591	Special Topics in Film and Media Studies	3
MART 592	Special Topics in Film and Media Histories	3

MART 593	Special Topics in U.S. Film and Media	3
MART 594	Special Topics in Global Film and Media	3

Geography, B.A. & B.S.

Course	Title	Credits
GEOG 495	Seminar in Geography	3

Geological Sciences, B.S.

Course	Title	Credits
GEOL 500	Field Geology	4-6

Geophysics, B.S.

Course	Title	Credits
GEOL 531	Plate Tectonics	3

Global Studies, B.A.

- Any integrative course from another department that is included in the Global Studies major.

History, B.A.

Course	Title	Credits
HIST 300	Introduction to the History Major: The Historian's Craft	3
HIST 497	Senior Seminar	3
HIST 498	Senior Seminar	3
HIST 499	Senior Thesis	3

Interdisciplinary Studies, B.A.I.S. (College of Arts & Sciences)

- None

Interdisciplinary Studies, B.S.I.S. (College of Arts & Sciences)

- None

International Studies, B.A.

Course	Title	Credits
POLI 315	International Relations	3
POLI 316	Comparative Politics	3

Languages, Literatures and Cultures, B.A.

Course	Title	Credits
CLAS 305	Greece and Rome in Film and Popular Culture	3
CLAS 320	Sexuality and Gender in Ancient Greece	3
CLAS 321	Sexuality, Gender, and Power in Ancient Rome	3
CLAS 586	Classical Mythology	3
CPLT 499	Senior Thesis	3
CPLT 300	What is Comparative Literature	3
FREN 309	Reading French Texts	3
FREN 310	Advanced Oral Communication	3
FREN 311	French Composition	3
GERM 420	Medieval German Literature and Culture	3
GERM 430	The German Enlightenment and its Countercurrents	3
GERM 440	German Literature and Culture from 1800-1871	3
GERM 450	German Literature from 1890-1945	3
GERM 460	Post-War and Contemporary German Literature	3
HIST 305	Greece and Rome in Film and Popular Culture	3
RUSS 319	Nineteenth-Century Russian Literature in Translation	3

RUSS 320	Twentieth-Century Russian Literature in Translation	3
SPAN 312	Introduction to Reading Hispanic Literary Texts	3
WGST 320	Sexuality and Gender in Ancient Greece	3
WGST 321	Sexuality, Gender, and Power in Ancient Rome	3

Latin American Studies, B.A.

Course	Title	Credits
LASP 301	Interdisciplinary Study of Latin America	3
LASP 496	Senior Seminar	3

Marine Science, B.S.

Course	Title	Credits
MSCI 311	Biology of Marine Organisms	4
MSCI 313	The Chemistry of the Sea	4
MSCI 314	Physical Oceanography	4

Mathematics, B.S.

Course	Title	Credits
MATH 554	Analysis I	3

Media Arts, B.A.

Course	Title	Credits
FAMS 598	Special Topics in Global Film and Media	3
FORL 598	Special Topics in Global Film and Media	3
MART 521A	Media Writing Advanced: Screenwriting	3
MART 521B	Media Writing Advanced: Feature Film	3
MART 521C	Media Writing Advanced: Manga and Anime	3
MART 521D	Media Writing Advanced: Television Writing	3
MART 571A	Moving Image Advanced: Narrative	3
MART 571B	Moving Image Advanced: Documentary	3
MART 571C	Moving Image Advanced: Animation	3
MART 571D	Moving Image Advanced: Experimental	3
MART 571E	Moving Image Advanced: Cinematography	3
MART 571F	Moving Image Advanced: Sound for Motion Picture	3
MART 581A	New Media Advanced: Site-based and Installation Art	3
MART 581B	New Media Advanced: Mobile Platforms	3
MART 581C	New Media Advanced: Media Performance	3
MART 581D	New Media Advanced: Video Game Design	3
MART 581E	New Media Advanced: Sound Art	3
MART 594	Special Topics in Global Film and Media	3

Neuroscience, B.S.

Course	Title	Credits
PSYC 507	Cognitive Neuroscience	3

Philosophy, B.A.

Course	Title	Credits
PHIL 490	Senior Seminar in Philosophy	3

Physics, BS

Course	Title	Credits
PHYS 511	Nuclear Physics	4
PHYS 541	Advanced Experimental Physics I	4

Political Science, B.A.

Course	Title	Credits
POLI 315	International Relations	3
POLI 316	Comparative Politics	3
POLI 361	Elections and Voting Behavior	3
POLI 368	Interest Groups and Social Movements	3
POLI 370	Introduction to Public Administration	3
POLI 374	Public Policy	3
POLI 451	Constitutional Law II: Civil Liberties	3
POLI 462	The Legislative Process	3
POLI 504	Politics and Ethics	3

Religious Studies, B.A.

Course	Title	Credits
RELG 488	Perspective in Religious Studies	3

Sociology, B.A.

Course	Title	Credits
SOCY 391	Sociological Research Methods	3
SOCY 561	Real World Research Experience	3

Sociology, B.S.

Course	Title	Credits
SOCY 561	Real World Research Experience	3

Statistics, B.S.

Course	Title	Credits
STAT 513	Theory of Statistical Inference	3

Theatre, B.A.

Course	Title	Credits
THEA 490	Theatre Capstone Course	3
THEA 578	Play Direction I	3

Women's & Gender Studies, B.A.

Course	Title	Credits
ANTH 381	Gender and Globalization	3
WGST 381	Gender and Globalization	3
WGST 499	Community Service Internship	3

Moore School of Business**Accounting, B.S.B.A.**

Course	Title	Credits
MGMT 478	Strategic Management	3

Business Economics, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Finance, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

International Business, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Management, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Marketing, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Operations and Supply Chain, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Real Estate, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

Risk Management and Insurance, B.S.B.A.

Course	Title	Credits
MGMT 478	Strategic Management	3

College of Education**Early Childhood Education, B.A.**

Course	Title	Credits
EDEC 591	Seminar on Teaching in Early Childhood	3

Elementary Education, B.A.

Course	Title	Credits
EDEL 491	Seminar on Teaching	3

Middle Level Education, B.A. & B.S.

Course	Title	Credits
EDML 599	Internship B in the Middle School	12

Physical Education, B.S.P.E.

Course	Title	Credits
PEDU 446	Physical Education Curriculum	3

College of Engineering and Computing**Biomedical Engineering, B.S.**

Course	Title	Credits
BMEN 427	Senior Biomedical Engineering Design I	3

Chemical Engineering, B.S.E.

Course	Title	Credits
ECHE 466	Chemical-Process Analysis and Design II	3

Civil Engineering, B.S.E.

Course	Title	Credits
ECIV 470	Civil Engineering Design	4

Computer Information Systems, B.S.

Course	Title	Credits
CSCE 490	Capstone Computing Project I	3

Computer Science, B.S.C.S.

Course	Title	Credits
CSCE 490	Capstone Computing Project I	3

Computer Engineering, B.S.E.

Course	Title	Credits
CSCE 490	Capstone Computing Project I	3

Electrical Engineering, B.S.E.

Course	Title	Credits
ELCT 403	Capstone Design Project I	3

Integrated Information Technology, B.S.

Course	Title	Credits
ITEC 564	Capstone Project for Information Technology	3

Aerospace Engineering, B.S.E.

Course	Title	Credits
AESP 428	Design I	3

Mechanical Engineering, B.S.E.

Course	Title	Credits
EMCH 427	Design I	3

South Carolina Honors College**Interdisciplinary Studies, BarSC**

- None

College of Hospitality, Retail, and Sport Management**Hospitality Management, B.S.**

Course	Title	Credits
HRTM 490	Hospitality Management Strategies	3

Tourism Management, B.S.

Course	Title	Credits
HRTM 482	Sustainable Tourism Planning and Policy	3

Interdisciplinary Studies, B.A.I.S.

Course	Title	Credits
HRSM 497	Senior Seminar	3

Retailing, B.S.

Course	Title	Credits
RETL 495	Retailing Internship	6

Sport & Entertainment Management, B.S.

Course	Title	Credits
SPTM 444	Sports and Entertainment Event Management	3

College of Information and Communications**Advertising, B.A.J.M.C.**

Course	Title	Credits
JOUR 517	Integrated Campaigns	3

Broadcast Journalism, B.A.J.M.C.

Course	Title	Credits
JOUR 586	Capstone I - Advanced Reporting - Broadcast and Online Journalism	3

Journalism, B.A.J.M.C.

Course	Title	Credits
JOUR 587	Capstone I - Advanced Reporting - Multimedia Journalism	3

Mass Communications, B.A.J.M.C.

Course	Title	Credits
JOUR 515	Mass Communications Capstone Portfolio	3

Public Relations, B.A.J.M.C.

Course	Title	Credits
JOUR 531	Public Relations Campaigns	3

Visual Communications, B.A.J.M.C.

Course	Title	Credits
JOUR 560	Capstone Portfolio Development	3

Information Science, B.S.

Course	Title	Credits
JOUR 491	Communication and Information Transfer	3
ISCI 420	Information and Communication Needs and Assessment	3
ISCI 450	Information Issues in Community Institutions	3

School of Music**Music, B.A. & B.M.**

Course	Title	Credits
MUSC 354	History of Western Music II	3
MUSC 455	History of Western Music III	3

Music Industry Studies, B.S.

Course	Title	Credits
MUSC 498	Music Industry Capstone	2-3

College of Nursing**Nursing-Generic, B.S.N.**

Course	Title	Credits
NURS 400	Evidence-based Nursing Practice	3

Nursing (RN to BSN), B.S.N.

Course	Title	Credits
NURS 400	Evidence-based Nursing Practice	3

Palmetto College**Organizational Leadership, B.A.**

Course	Title	Credits
PALM 493	South Carolina Studies	3

Liberal Studies, B.A.

Course	Title	Credits
PALM 493	South Carolina Studies	3

College of Pharmacy**Pharmaceutical Sciences, B.S**

Course	Title	Credits
PHMY 662		

Arnold School of Public Health**Exercise Science, B.S.**

Course	Title	Credits
EXSC 481	Practicum in Community Fitness Programs	9
EXSC 482	Internship in Life-Span Motor Development	9
EXSC 483	Internship in Scientific Foundations	3

Public Health, B.A. & B.S.

Course	Title	Credits
PUBH 498	Public Health Capstone Seminar	3

College of Social Work**Social Work, B.S.W.**

Course	Title	Credits
SOWK 484	Capstone	3

POLICIES AND REGULATIONS

Here you will find helpful information concerning undergraduate admissions and academic regulations for the University of South Carolina System.

Admissions Policies and Regulations (<https://academicbulletins.sc.edu/undergraduate/policies-regulations/admissions-policies-procedures/>)

Undergraduate Academic Regulations (<https://academicbulletins.sc.edu/undergraduate/policies-regulations/undergraduate-academic-regulations/>)

Admissions Policies and Procedures

General Information

An application for admission must be submitted and approved and an official notification of acceptance issued by the Office of Undergraduate Admissions before any person may enroll in an undergraduate course. Before action can be taken on an application for admission, all credentials required by University policy must be received by the admissions office, which has responsibility for evaluation of credentials for the purpose of admission.

Applications must be accompanied by a nonrefundable application fee specified on the application form. Application forms are available online (<http://www.sc.edu/admissions/>).

Applications submitted more than one year in advance of the anticipated date of enrollment will be acknowledged, but no action will be taken until admission standards for the year in question have been established. The number of students admitted and enrolled in any year will be determined by the capacity of the institution to provide for the educational and other needs of the students and by budgetary or other appropriate considerations. Undergraduate admissions policies and procedures are subject to continuous review by the admissions staff and the Faculty Admissions Committee and may be changed without notice.

Selected applicants who present evidence of special talents for University programs requiring such special talents may be evaluated on the basis of these talents as well as high-school grades and entrance examination scores. The University reserves the right to place conditions on the admission of any student. In the event such action is taken, the conditions will be clearly explained in the letter of acceptance.

Proof of immunity to measles, mumps, rubella and meningitis is required before a student will be allowed to enroll in classes at the University of South Carolina.

Campus visits may be arranged through the University Visitor Center. Individual and group tours of the University leave the Visitor Center during regularly scheduled times on weekdays and by special arrangement. Admissions counselors are available Monday through Friday. The admissions office is usually open throughout the year except for established university holidays. A complete listing of university holidays can be found here (http://www.sc.edu/about/offices_and_divisions/human_resources/benefits/time_away/holidays/).

Freshman Admission

A freshman applicant is a person who has not attended a regionally accredited college or university after high-school graduation.

Freshman applicants are encouraged to apply in the fall prior to the fall for which they seek admission, but no later than the December 1 priority deadline. Additional information about current admission deadlines, credential requirements and notification dates can be found on the undergraduate admissions website (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/).

Applicants over the age of 25 may not be required to submit entrance examination results; however, they must submit other credentials which give evidence of reasonable academic potential.

SC resident applicants with at least two years of active duty military service may be admitted as freshmen provided that they graduated high school with a 3.0 HS GPA, completed minimum college preparatory course requirements outlined by the SC Commission on Higher Education, and have not attempted any postsecondary work since graduation.

Assessment of Academic Records

Freshman applicants who satisfy the course requirements listed above will be evaluated on the basis of demonstrated academic achievement, including grades, rigor of courses, and test scores. These factors will be used to determine the applicant's probability of completing the requirements for the desired degree. Click here (http://sc.edu/about/offices_and_divisions/undergraduate_admissions/requirements_for_freshmen/admitted_class_profile/) to view the profile of the admitted class. The overall strength of the applicant pool strongly impacts one's chance of admission. When warranted, factors such as extenuating personal circumstances, activities, and evidence of leadership and service will be taken into consideration.

Transfer Admission

An applicant who, having graduated from high school, has attended another regionally accredited postsecondary institution and attempted one or more courses is a transfer student, regardless of credit earned. If fewer than 30 semester hours (45 quarter hours) of college-level work have been attempted, the applicant must meet both transfer and freshman entrance requirements. Applicants with a Joint Services Transcript may receive up to 6 hours of credit toward the required 30 semester hours.

Additional information about current transfer admission deadlines, credential requirements and notification dates can be found on the undergraduate admissions website (http://www.sc.edu/about/offices_and_divisions/undergraduate_admissions/requirements/).

Note: Deadlines are subject to change at any time. The most up-to-date information can be viewed on the undergraduate admissions website (<http://www.sc.edu/admissions/>).

All applicants for transfer admission must be eligible to return to the last institution attended as a degree-seeking student.

The applicant must submit official transcripts of all previous college courses attempted whether or not credit was earned and regardless of whether the applicant wishes to transfer any credit. An official transcript must be sent directly to the admissions office from **each** institution attended. Failure to report all attempted college courses may constitute sufficient cause for later dismissal from the University.

Transfer applicants from regionally accredited colleges and universities are required to have a minimum grade point average of 2.25 (on a 4.00 scale) on all college-level courses attempted.

In addition to the general requirements for admission outlined in this section, some departments and colleges within the University set additional requirements that may be higher than the University's minimum standards. For more specific information concerning entrance requirements for individual colleges and departments, refer to the program section of this bulletin or the undergraduate admissions website.

For the purpose of admission, a transfer grade point average is calculated using all credits attempted and all grades earned on college-level courses (e.g. non-developmental, non-remedial) at other institutions. This process may include a holistic review of the applicant with consideration given to how recent credits were attempted and earned, educational performance, evidence of student persistence and commitment to educational success, and unique life/work experience that can contribute to campus and community life. Colleges within the University have the right to consider all attempted college-level work in determining admission to particular programs and/or advancement into upper-division or professional-level courses. Transfer students should consult the section of this bulletin for the college in which the student plans to study for further information about the use of credits and grades from previous college work. For regulations on graduation with honors, see "Undergraduate Academic Regulations (p. 763)."

Regardless of the point in an academic career at which students enter the University, all must complete the final year (the last 30 semester hours before graduation) enrolled in classes approved by the appropriate dean of the college, school, or campus from which the degree will be granted. Some UofSC colleges require half of all degree credits to be earned while enrolled at this University.

Evaluation of Transfer Credits

Transfer credits to UofSC must be from regionally accredited institutions for academic courses completed with grades of C- or better. Applicability of credits toward a particular degree is determined by the college or major in which the student enrolls. The number of credits acceptable to the University and the number which may apply toward a particular degree may differ.

Students transferring from non-accredited colleges may be allowed to validate credit after admission to the University. Details of the validation procedure vary and may be obtained from the dean's office of the college in which the student is enrolled.

Original records are required for courses exempted at a previous college. Exemption credit or acceptance of transfer credit by another college has no bearing on the evaluation of transfer credit at the University of South Carolina.

Students transferring to the University from another college or university must, before enrolling in class at the University, have their transcripts evaluated by the University. It is only in the light of such evaluation that students will know definitively the transferability and equivalency of each transfer course. Degree applicability will be determined by the college or school in which the student is enrolled.

Transferability refers to the conditions under which the University accepts credit for inclusion in the student's record. Transfer courses must have been taken at a regionally accredited post-secondary institution, or, if taken at a foreign post-secondary institution, have

been recommended by a NACES - member external evaluation service. Coursework classified as remedial by the University will appear on the student's record, but will not be used to determine admission eligibility or a transfer GPA. Exceptions to this rule may be made by the Office of the Registrar when state scholarship eligibility rules require inclusion.

Equivalency entails equating transfer credit, both in hours and content, to University of South Carolina coursework. The Registrar's Office works with UofSC colleges and schools to coordinate the process of transfer evaluation to equate transfer courses directly to courses in the UofSC course catalog; to subject codes which represent subjects not offered at UofSC; or to subject codes that identify courses as remedial/technical/non-accredited coursework. A list of transfer equivalencies for the Columbia catalog of courses can be found here (<http://registrar.sc.edu/html/transfetable.stm>).

Applicability of credit toward a degree refers to the prerogative of academic divisions to count specific credit toward the fulfillment of a student's degree requirements. The student's college or school of enrollment is responsible for determining applicability.

However, a transfer course is not applicable towards any University of South Carolina academic program or degree if:

1. The transfer course was essentially remedial in nature (example: Developmental English).
2. The transfer course was occupational or technical in nature (examples: welding, paralegal, radiography courses).
3. A grade lower than 2.0 on a 4 point scale, or equivalent, was earned in the transfer course.
4. The transfer course was taken by a degree-seeking University of South Carolina student without prior approval as described in the Earning Credit in Transient Status section of this bulletin.
5. The transfer course was taken while a student was on an academic suspension from the university.
6. The student received any grade other than W an equivalent course at this university, unless the student was enrolled full time at least one year at the transfer institution.

Exceptions to the rules of applicability may be made only by petition to the dean for undergraduate studies of the College or School in which the student is majoring.

A maximum of 76 semester hours may be transferred for degree credit from a junior college or two-year institution which is accredited by a regional association such as the Southern Association of Colleges and Schools.

A maximum of 30 semester hours of credit by correspondence and credit awarded for educational experiences in the military may be applied toward meeting the requirements for a baccalaureate degree. The 30 semester hours of credit which may be awarded for educational experiences in the military should be in accordance with recommendations published by the American Council on Education and be consistent with University policy on the transfer of credit but will only be applied to a degree program upon the approval of the dean of the college from which the degree is to be awarded.

Veteran students may receive credit toward graduation for training received under many of the armed forces college training programs. University credit also may be given for specialized and technical training done under the auspices of the armed forces and for courses taken through the United States Armed Forces Institute/DANTES. This training

may be accepted by the University for credit only if it is at the college level, if it is approved by the University, and if it is appropriate to the particular University course of study in which the student enrolls. Armed forces training will not be evaluated until the applicant has been accepted for admission; however, credentials should be submitted with the admission application. No credit is given for high-school or college-level GED tests.

(Information regarding educational benefits to veterans and the children of deceased or disabled veterans may be found in the section on financial aid. Additional information for veterans is available from the Office of Veteran Student Services, University of South Carolina Columbia.)

A maximum of 30 semester hours of credit earned while classified as a nondegree special student in the University may be applied toward meeting the requirements for a baccalaureate degree.

A student planning to pursue work at other institutions or through correspondence must complete this work before attaining senior classification (90 semester hours).

Courses completed at any institution while the student is suspended by the University will not be accepted toward a degree at USC. All college-level coursework attempted under academic suspension will be used to evaluate a student's eligibility for admission.

Credits from SC Technical Colleges

Effective June 1, 2022, students who graduate with an Associate of Arts or Associate of Science degree from a state of South Carolina public two-year institution of higher education are guaranteed to receive a minimum of 60 transfer credit hours and junior class standing upon enrolling at the University of South Carolina – Columbia. All degree requirements, course prerequisites, minimum grades and credit requirements still apply. (South Carolina proviso 117.152).

Transfer: State Policy and Procedures

Background

Section 10-C of the South Carolina School-to-Work Transition Act (1994) stipulated that the Council of College and University Presidents and the State Board for Technical and Comprehensive Education, operating through the Commission on Higher Education, develop better articulation of associate and baccalaureate degree programs. To comply with this requirement, the commission upon the advice of the Council of Presidents established a Transfer Articulation Policy Committee composed of four-year institutions' vice presidents for academic affairs and the Associate Director for Instruction of the State Board for Technical and Comprehensive Education. The principal outcomes derived from the work of that committee and accepted by the Commission on Higher Education on July 6, 1995, were:

- An expanded list of 86 courses which transfer to four-year public institutions of South Carolina from the two-year public institutions;
- A statewide policy document on good practices in transfer to be followed by all public institutions of higher education in the State of South Carolina, which was accepted in principle by the Advisory Committee on Academic Programs and the commission;
- Six task forces on statewide transfer agreements, each based in a discipline or broad area of the baccalaureate curriculum.

In 1995 the General Assembly passed Act 137 which stipulated further that the South Carolina Commission on Higher Education "notwithstanding any other provision of law to the contrary, shall have

the following additional duties and functions with regard to the various public institutions of higher education." These duties and responsibilities include the commission's responsibility "to establish procedures for the transferability of courses at the undergraduate level between two-year and four-year institutions or schools." This same provision is repeated in the legislation developed from the Report of the Joint Legislative Study Committee.

Act 137 directed the commission to adopt the following procedures for the transfer of courses from all two-year public to all four-year public institutions of higher education in South Carolina.

Statewide Articulation of 86 Courses

1. The Statewide Articulation Agreement of 86 courses already approved by the South Carolina Commission on Higher Education for transfer from two- to four-year public institutions shall be applicable to all public institutions, including two-year institutions and institutions within the same system. In instances where an institution does not have synonymous courses to ones on this list, it shall identify comparable courses or course categories for acceptance of general education courses on the statewide list.

Admissions Criteria, Course Grades, GPAs, Validations

2. All four-year public institutions shall issue annually in August a transfer guide covering at least the following items:
 - a. The definition of a transfer student and requirements for admission both to the institution and, if more selective, requirements for admission to particular programs.
 - b. Limitations placed by the institution or its programs for acceptance of standardized examinations (e.g., SAT, ACT) taken more than a given time ago, for academic course work taken elsewhere, for course work repeated due to failure, for course work taken at another institution while the student is academically suspended at his/her home institution, and so forth.
 - c. Institutional and, if more selective, programmatic maximums of course credits allowable in transfer.
 - d. Institutional procedures used to calculate student applicants' GPAs for transfer admission. Such procedures shall describe how nonstandard grades (withdrawal, withdrawal failing, repeated course, etc.) are evaluated; and they shall also describe whether all course work taken prior to transfer or just course work deemed appropriate to the student's intended four-year program of study is calculated for purposes of admission to the institution and/or programmatic major.
 - e. Lists of all courses accepted from each technical college (including the 72 courses in the Statewide Articulation Agreement) and the course equivalencies (including "free elective" category) found on the home institution for the courses accepted.
 - f. Lists of all articulation agreements with any public South Carolina two-year or other institution of higher education, together with information about how interested parties can access these agreements.
 - g. Lists of the institution's Transfer Officer(s) personnel together with telephone and fax numbers and office address.
 - h. Institutional policies related to "academic bankruptcy" (i.e., removing an entire transcript or parts thereof from a failed or underachieving record after a period of years has passed) so that re-entry into the four-year institution with course credit earned in the interim elsewhere is done without regard to the student's earlier record.

- i. "Residency requirements" for the minimum number of hours required to be earned at the institution for the degree.
3. Course work (individual courses, transfer blocks, statewide agreements) covered within these procedures shall be transferable if the student has completed the course work with a "C" grade (2.00 on a 4.00 scale) or above, but transfer of grades does not relieve the student of the obligation to meet any GPA requirements or other admissions requirements of the institution or program to which application has been made.
 - a. Any four-year institution which has institutional or programmatic admissions requirements for transfer students with cumulative grade point averages (GPAs) higher than 2.00 on a 4.00 scale shall apply such entrance requirements equally to transfer students from regionally accredited South Carolina public institutions regardless of whether students are transferring from a four-year or two-year institution.
 - b. Any multi-campus institution or system shall certify by letter to the commission that all course work at all of its campuses applicable to a particular degree program of study is fully acceptable in transfer to meet degree requirements in the same degree program at any other of its campuses.
4. Any course work (individual courses, transfer blocks, statewide agreements) covered within these procedures shall be transferable to any public institution without any additional fee and without any further encumbrance such as a "validation examination," "placement examination/instrument," "verification instrument," or any other stricture, notwithstanding any institutional or system policy, procedure, or regulation to the contrary.

Transfer Blocks, Statewide Agreements, Completion of the A.A./A.S. Degree

5. The following Transfer Blocks/Statewide Agreements taken at any two-year public institution in South Carolina shall be accepted in their totality toward meeting baccalaureate degree requirements at all four-year public institutions in relevant four-year degree programs, as follows:
 - Arts, Humanities, and Social Sciences: Established curriculum block of 46-48 semester hours
 - Business Administration: Established curriculum block of 46-51 semester hours
 - Engineering: Established curriculum block of 33 semester hours
 - Arts and Sciences, curriculum II: Established curriculum block of 48-51 semester hours
 - Teacher Education: Established curriculum block of 38-39 semester hours for early childhood, elementary, and special education students only. Secondary education majors and students seeking certification who are not majoring in teacher education should consult the Arts, Humanities, and Social Sciences or the Math and Science transfer blocks, as relevant, to assure transferability of course work
 - Nursing: By statewide agreement, at least 60 semester hours shall be accepted by any public four-year institution toward the baccalaureate completion program (BSN) from graduates of any associate degree program in nursing (ADN), provided that the program is accredited by the National League of Nursing and that the graduate has successfully passed the National Licensure Examination (NCLEX) and is a currently licensed registered nurse.
6. Any "unique" academic program not specifically or by extension covered by one of the statewide transfer blocks/agreements listed in #4 above shall either create its own transfer block of 35 or more

credit hours with the approval of CHE staff or shall adopt either the Arts/Social Science/Humanities or the Science/Mathematics block by September 1996. The institution at which such program is located shall inform the staff of the CHE and every institutional president and vice president for academic affairs about this decision.

7. Any student who has completed either an Associate of Arts or Associate of Science degree program at any public two-year South Carolina institution which contains within it the total course work found in either the Arts/Social Sciences/Humanities Transfer Block or the Math/Science Transfer Block shall automatically be entitled to junior-level status or its equivalent at whatever public senior institution to which the student might have been admitted. (Note: As agreed by the Committee on Academic Affairs, junior status applies only to campus activities such as priority order for registration for courses, residence hall assignments, parking, athletic event tickets, etc., and not in calculating academic degree credits.)

Related Reports and Statewide Documents

8. All applicable recommendations found in the commission's report to the General Assembly on the School-to-Work Act (approved by the commission and transmitted to the General Assembly on July 6, 1995) are hereby incorporated into the procedures for transfer of course work among two- and four-year institutions.
9. The policy paper entitled State Policy on Transfer and Articulation, as amended to reflect changes in the numbers of transfer blocks and other Commission action since July 6, 1995, is hereby adopted as the statewide policy for institutional good practice in the sending and receiving of all course credits to be transferred.

Assurance of Quality

10. All claims from any public two- or four-year institution challenging the effective preparation of any other public institution's course work for transfer purposes shall be evaluated and appropriate measures shall be taken to reassure that the quality of the course work has been reviewed and approved on a timely basis by sending and receiving institutions alike. This process of formal review shall occur every four years through the staff of the Commission on Higher Education, beginning with the approval of these procedures.

Statewide Publication and Distribution of Information on Transfer

11. The staff of the Commission on Higher Education shall print and distribute copies of these Procedures upon their acceptance by the commission. The staff shall also place this document and the Appendices on the commission's Home Page on the Internet under the title "Transfer Policies."
12. By September 1 of each year, all public four-year institutions shall on their own Home Page on the Internet under the title "Transfer Policies":
 - a. Print a copy of this entire document (without appendices).
 - b. Print a copy of their entire transfer guide.
 - c. Provide to the staff of the commission in satisfactory format a copy of their entire transfer guide for placing on the commission's Home Page on the Internet.
13. By September 1 of each year, the staff of the State Board for Technical and Comprehensive Education shall on its Home Page on the Internet under the title "Transfer Policies":
 - a. Print a copy of this document (without appendices).
 - b. Provide to the commission staff in format suitable for placing on the commission's Home Page of the Internet a list of all articulation agreements that each of the sixteen technical colleges has with public and other four-year institutions of higher

education, together with information about how interested parties can access those agreements.

14. Each two-year and four-year public institutional catalog shall contain a section entitled "Transfer: State Policies and Procedures." Such section at a minimum shall.
- Publish these procedures in their entirety (except Appendices)
 - Designate a Chief Transfer Officer at the institution who shall
 - provide information and other appropriate support for students considering transfer and recent transfers
 - serve as a clearinghouse for information on issues of transfer in the State of South Carolina
 - provide definitive institutional rulings on transfer questions for the institution's students under these procedures
 - work closely with feeder institutions to assure ease in transfer for their students.
 - Designate other programmatic Transfer Officer(s) as the size of the institution and the variety
 - Refer interested parties to the institutional Transfer Guide of the state's four-year institutions
 - Refer interested parties to the institution's and the Commission on Higher Education's Home Pages on the Internet for further information regarding transfer.

Admission to Columbia Campus for UofSC System Students

UofSC-System Common Curriculum

The purpose of the *UofSC-System Common Curriculum* is to recognize the essential curricular requirements that already exist at each of our UofSC institutions which are common to all. Collectively we are in agreement that we share the following competency categories: written and spoken communication, numerical and analytical reasoning, foreign language or culture studies, natural science, and history. As is the current practice, each institution will identify courses which meet the competency requirements and these will be accepted across the UofSC-System to meet the *UofSC-System Common Curriculum*. At each of our UofSC-system institutions the *UofSC-System Common Curriculum* is consistent with the individual institution's own baccalaureate general education and major program requirements.

The *USC-System Common Curriculum* is described as follows:

Requirements	Credit Hours
Communication - Writing	6
Communication - Speech	3
Numerical/Analytical Reasoning	6
Foreign Language or Cultural Studies ¹	3
Natural Sciences	7
Social or Behavioral Science	3
History	3

¹ 3 hours or appropriate placement test score

University of South Carolina system students who wish to apply for admission to the Columbia campus must complete the system transfer application, which is available here (<http://www.sc.edu/admissions/>). A

student who wishes to be considered for admission from another UofSC campus must fulfill one of the following requirements:

- Be in good standing, meet the admission requirements for a baccalaureate degree on the Columbia campus, and have a UofSC GPA of 2.0 or higher.
- Be in good standing and have completed 30 semester hours with a GPA of 2.0 or higher on a UofSC campus.

Some colleges and schools have a higher GPA requirement to be considered for Columbia admission. Please review the undergraduate admissions website (<http://www.sc.edu/admissions/>) or your intended academic department in the Undergraduate Bulletin for current system transfer requirements and deadlines.

Admission to South Carolina Honors College

Regardless of chosen major, qualified students at UofSC have the opportunity to participate in the University's Honors College. A special application for admission into the South Carolina Honors College is required. Most students in the college enter as freshmen. Students who have already completed at least one semester - at UofSC or elsewhere - may apply as transfer students. Details are provided later in this bulletin; please consult the index. Those who wish to participate in the college should contact the Office of Undergraduate Admissions.

Admission as a Non-Degree-Seeking Candidate

Applicants who wish to attend the University for one semester or on some limited basis may be approved to do so upon submitting an application accompanied by an explanation of their educational goals. The admissions office reserves the right to determine the proper category of admission and to determine what credentials may be required.

Special Students

This category is for part-time applicants who are not interested in earning a degree at UofSC. A maximum of 30 semester hours may be earned in this category. Applicants who have been officially denied admission as degree-seeking students are not eligible for admission as non-degree students. Courses completed by special students carry full University credit; however, none of the hours is applicable to a degree until the student applies and qualifies for admission to a degree program. Visiting or transient students are required to submit transient permission from their home institution that includes verification of good academic standing. All special applicants who have completed a bachelor's degree must present official proof of degree. Proof of degree is designated as an official transcript from the degree-granting institution or an official letter from the degree-granting institution certifying the degree and date earned.

Concurrent

High-school juniors and seniors who have excelled in their studies may enroll in appropriate courses at the University upon recommendation of the school counselor or principal and with approval of the UofSC department in which courses are to be taken. Interested students must submit high-school records and test scores that demonstrate exceptional performance and potential for success in college courses.

Auditor

An auditor may apply as a special student (see above). Classes that are audited at UofSC may not be retaken for credit towards a degree later.

Military Special

Certification of active duty military status is required.

Persons attending the University in any of these categories will be non-degree candidates. Credit earned while attending as a non-degree candidate may be used toward a degree only after the student has applied for and been accepted into a degree program. An applicant denied admission to any degree category is not eligible for admission as a non-degree student. The period of enrollment in these categories is limited by either time or number of allowable credits. The official acceptance letter explains all enrollment restrictions for the category in question. Non-degree students are not eligible for financial aid, veterans' benefits, or on-campus housing during the fall or spring terms. Rooms on the campus may be available to students in the summer whether or not they are working for degrees.

Readmission of Former Students

An application for readmission must be submitted by any former student who wishes to return to the University after missing a major (fall or spring) semester. Summer sessions do not count as a major semester in this instance. The readmit application is available here. **Readmission to the University and to the program in which the student was previously enrolled is not automatic.** An interview may be requested and some basis for a favorable decision may be required.

The University of South Carolina's minimum UofSC GPA requirement for readmission is 2.0, but some colleges and schools have a higher requirement. Please review the undergraduate admissions website (<http://www.sc.edu/admissions/>) for current readmission requirements.

Students who leave the university due to complications related to public health emergency (e.g., COVID-19) or military service and have not attempted any college credits during their absence will be readmitted based on degree progression requirements. The absence is limited to 2 major semesters.

Students who attend the University as special students (including probationary or non-degree candidates) are not considered for "readmission" because these students were not fully admitted to the University originally. If special students wish to return to the University as degree-seeking candidates, they must apply for regular admission as freshmen or transfer students, furnishing all official transcripts and any entrance test scores which may be required.

Students who leave the University in good standing, miss one or more major semesters, and attend another institution while away must submit the application for readmission and official transcripts of all college-level work attempted during their absence from the University. Such applicants must meet the same requirements as transfer students.

A student who leaves the University on suspension must apply for readmission upon completion of the period of suspension and qualify for readmission to the major program requested. To attempt to return to the University prior to the completion of the suspension period requires:

1. an application for readmission and a petition for reinstatement if a major semester has been missed; or

2. a petition for reinstatement if the attempt is being made after notification of suspension but prior to missing a major semester. A petition for reinstatement is made to the University college from which the student was suspended.

If students attend another college-level institution while suspended from the University, they must maintain a satisfactory average at that institution in order to retain the privilege of being considered for readmission at the conclusion of their suspension. The University does not transfer credit earned during a period of suspension, but the quality of grades could affect the decision on readmission.

Applications should be submitted before these deadlines:

- Fall term: July 1
- Spring term: November 1
- Summer term: April 1

Note: These deadlines are subject to change at any time. Check the undergraduate admissions website (<http://www.sc.edu/admissions/>) for the most up-to-date information.

Admission to Other Programs Evening Program

Application should be made through the Office of Undergraduate Admissions and all usual requirements for admission must be met.

Senior and Regional Campuses

For complete information, consult the admissions office on the campus where the student plans to enroll.

Summer School Admission

New undergraduate students entering the University for the first time in a summer term who expect to continue studying toward a degree submit only one application. They must meet all requirements for admission as degree-seeking students before the beginning of the summer term.

Summer Attendance Only

Students who wish to attend the University for the summer only should apply as special students under the "Admission as a Non-degree-Seeking Candidate" paragraph included in this section. Students enrolled in degree programs in another college who wish to take summer courses at UofSC as transients should seek written approval to take specific UofSC courses from a dean or department chair in their home college.

Admission of International Students

The University of South Carolina welcomes the applications of qualified international students.¹ At least six months before the beginning of the semester they wish to enter, and in the case of freshman applicants, at least nine months beforehand, students must send a complete application, including standardized test scores, school records, and financial statements, to the Office of Undergraduate Admissions. Students who have attended colleges or universities outside of the United States are required to submit a professional credential evaluation of all work completed.

International applicants must be proficient in the English language. A score of 550 or above on the paper version of the TOEFL (Test of English as a Foreign Language) is required. (A score of 210 or higher on the computerized version is required, and a minimum score of 77 on the Internet version is required.) The Office of Undergraduate Admissions

also accepts the International English Language Testing System (IELTS) or the PTE Academic Test (PTE). Students must score at least a 6.5 on the IELTS, or at least a 53 on the PTE. English proficiency scores are not required for international students from countries where the primary language of instruction is English nor from graduates of high schools in the United States.

An English proficiency test will be administered to international students, except those from English-speaking countries, upon arrival at the University. All international students must demonstrate sufficient proficiency in written and oral English to progress at the University level. Students who are not proficient in English will be required to take noncredit, concentrated English language training until proficiency is demonstrated.

In addition, freshman applicants must have completed a level of education equivalent to that of students entering from accredited secondary schools in the United States and have superior grades on their school work. Applicants who seek to enter from another college or university in the United States must meet transfer admission requirements.

International applicants will not be allowed to enroll in classes until they establish their ability to pay education expenses. The policies of certain countries have created financial difficulties for their citizens studying at the University. Applicants from these countries will be so notified and required to make an advance deposit of expenses. Applicants from other nations must submit certification of financial support to satisfy this requirement. Some financial assistance from the University is available to qualified international students.

¹ Applicants who are not citizens or permanent residents of the United States.

Placement Examinations

Student Orientation and Testing Programs

All new undergraduate students are expected to take placement tests (math and foreign language) and attend an orientation program (advisement and registration for classes) prior to their enrollment. Information on these programs may be obtained electronically on the Office of New Student Orientation's website (https://sc.edu/about/offices_and_divisions/orientation/) or by calling 803-777-2780. Summer orientation days for parents, freshmen, and transfers are held in June and early July. Abbreviated orientations are also held immediately prior to classes beginning in August, January, and summer school. Optional programs include: Welcome Week, a fall, week-long schedule of events designed to ease the students' transition to the University environment; and University 101, a semester-long, freshman seminar course offered for University credit.

Math and Foreign Language Placement Examinations

All students, both freshmen and transfers alike, must meet the prerequisites for any collegiate math courses that they take at the University of South Carolina.

For foundational math courses at the 100 level, these prerequisites can be met after taking one of two Math Placement Tests (Algebra and Precalculus, respectively) as described at this link (http://sc.edu/study/colleges_schools/artsandsciences/mathematics/study/math_placement/).

Likewise, all freshmen and transfer students must meet the prerequisite requirements for any foreign language courses they take at the University. These prerequisites can be met after taking the Foreign Language Placement Test. Students must take the level of course in which they have placed. For more information is available at this link (<http://artsandsciences.sc.edu/language-placement/home/>).

Candidates who do not pass a particular placement test are not permitted to repeat that test. The required credits must be obtained instead by enrollment and satisfactory completion of the course(s) involved. Specific information about placement test content and policies may be obtained from the appropriate department.

Exam Credit

Baccalaureate degree candidates may qualify for course credit through successful completion of select Advanced Placement (AP) Exams; International Baccalaureate (IB) Exams; College Level Examination Program (CLEP) Exams; Cambridge International A Level Exams; and Defense Activity for Non-Traditional Education Support (DANTES) Exams.

A complete listing of transferrable exam credit and minimum score thresholds can be found here (http://sc.edu/about/offices_and_divisions/registrar/transfer_credits/).

Official exam credit results must be submitted to the University of South Carolina directly from the exam provider.

Multiple successful exam credit scores submitted for the same equivalent course will only be recognized in one instance of the course on students' official academic record at USC.

Exam credit will be transcribed to the academic record similar to a transfer course. Successful exam scores will be equated directly to courses in the UofSC course catalog or to subject codes which represent subjects not offered at UofSC. Exam credit course equivalencies will be posted to the record along with a grade of "CR," the attempted hours, and earned hours. The exam credit will appear on students' advising transcript in Self Service Carolina, while only exam credit earned hours will appear on the official transcript.

Proof of Citizenship

UofSC students must present proof of citizenship or lawful presence in the U.S. before enrolling. This policy has been adopted by the University in order to comply with section 59-101-430 of the South Carolina Code of Laws, as amended, which requires that lawful presence in the United States is verified before enrollment at any public institution of higher education. Verification of immigration status for non-citizens will be conducted by International student officials. For other students, a proof of citizenship verification process has been adopted to deter and prevent false claims of citizenship by unlawful aliens attempting to evade the eligibility requirements of section 59-101-430. Students who are not verified as citizens during the Federal financial aid application (FAFSA) process must present proof of citizenship in the form of one of the following acceptable documents:

- Copy of the South Carolina driver's license if the student first became a licensed driver in the state after January 1, 2002;
- A Certified Birth Certificate indicating that you were born in the United States or a territory of the United States.
- Current U.S. Passport or U.S. Passport that has not been expired more than 10 years;
- Certificate of Naturalization — USCIS Form (N-550 or N-570);

- U.S. government issued Consular Report of Birth Abroad;
- Certificate of Citizenship (N-560 or N-561);
- Unexpired U.S. Active Duty/Retiree/Reservist Military ID Card (DOD DD-2)

The University can accept photocopies of birth certificates and other citizenship documents so long as we reserve the right to demand production of the certified original in the event we have any questions about whether the copy is true and accurate, or in the event any of the information on the copy is unreadable.

More information can be found on the Office of the University Registrar's website (<http://registrar.sc.edu/html/citizenshipverification.stm>).

Behavioral/Criminal Infractions Policy

The University of South Carolina-Columbia expects students who join its community of scholars to uphold the tenets of the Carolinian Creed and to conduct themselves according to these standards. Therefore, all applicants for undergraduate admission must disclose any school behavioral, academic or criminal infraction charges occurring prior to their enrollment at the university. Questions pertaining to infractions will be asked on the application for admission. Applicants will be instructed to provide any updated information occurring after submission of the initial application for admission. The signature [or electronic signature] section of the application attests to the accuracy and completeness of all questions on the application. Failure to provide complete and correct information is grounds for immediate revocation of admission and cancellation of registration or enrollment at the University of South Carolina.

The questions dealing with infractions will direct the applicant to provide a written description of the infraction, appropriate date(s), and ultimate resolution or current disposition. Applicants disclosing an infraction will be flagged in the admissions system to prevent any definitive admission decision until the infraction is reviewed and the student cleared for final action by the director of admissions.

Behavioral infractions are defined as disciplinary violations at an educational institution (including a college or university) resulting in sanctions including suspension or expulsion since the 9th grade. A designated member of the admissions staff will review the application to first determine academic admissibility. If the student is admissible, the staff member will review the infraction and follow up as necessary, including contacting the applicant's previous educational institutions. The facts of the case will be documented and sent to the director of admissions who will make the final determination of admission.

Criminal infractions include misdemeanors, felonies or other crimes more serious than minor traffic violations (e.g. speeding, driving without a license, etc.). A designated member of the admissions staff will review the application to first determine academic admissibility. If admissible, the staff member will review the criminal infraction to determine the appropriate course of action. If upon investigation the staff member deems the offense to be minor the case may be documented and referred to the director of admissions for a final determination of admission.

If the infraction is more serious, in most instances the case will be sent to a special ad hoc committee¹ for review and determination of eligibility for admission and enrollment. The committee will have access to all application materials and information regarding the infraction and may at their discretion request additional information from the applicant or appropriate authorities outside the university.

The committee will make a formal recommendation of action to the director of admissions. If the committee approves admission they may also note any special conditions of enrollment or eligibility for on campus housing and/or referral to the campus Judicial Affairs Committee. The final decision will be made by the director of admissions.

The director of admissions will notify the applicant of the final admission decision. If there are special circumstances or conditions on the applicant's admission these will be communicated to the applicant. If the student is deemed as unfit for university enrollment this will be communicated.

The director of admissions will provide an annual written report to the University Admissions Committee regarding number of cases reviewed and final action in each infraction category.

¹ The ad hoc committee may include representation from the following offices: Judicial Affairs, Faculty Senate Committee on Admissions, Housing/Student Affairs, Campus Safety and Counseling Center. The director of admissions or designee will be ex officio and provide staff support to the committee.

Undergraduate Academic Regulations

As the chief governing body of the University, the Board of Trustees delegates the powers of the president and the faculty in accord with its policies. Subject to the review of the president and the Board of Trustees, the faculty retains legislative powers in all matters pertaining to the standards of admission, registration, instruction, research, extracurricular activities, requirements for and granting of degrees, the curricula, the discipline of students, the educational policies and standards of the University, and all other matters affecting the conduct of academic affairs.

The University reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations whenever, in the judgment of the faculty, the president, or the Board of Trustees, such changes are in the best interest of the students and the University.

Registration at the University of South Carolina assumes the students' acceptance of all published regulations, including both those which appear in this document and all others as applicable in any official announcement such as the Medical School Bulletin, Law School Bulletin, Graduate Studies Bulletin, the University Master Schedule of Classes, or the Carolina Community. Official policies of the University listed below are published in the Carolina Community, which is available online as well as through the Student Government Office or the Office of the Vice President for Student Affairs.

1. Student Rights and Freedoms within the Academic Community
2. Rule of Academic Responsibility and Academic Disciplinary Procedures
3. Grievance Policy and Procedures for Non-Academic Areas
4. University Policy on Use of Alcohol
5. University Policy on Campus Solicitation
6. University Policy on Student Patent and Copyright Matters
7. Student Right to Know

Unforeseen circumstances may interfere with the scheduling of a course or degree offering. Students must accept such developments even if doing so will mean a delay in some of their academic goals or a modification of those goals. The departments concerned will work closely

with students facing such problems in an effort to resolve them with a minimum of difficulty.

The University reserves the right to withdraw any course because of inadequate enrollment. Additional courses may be offered upon application of a sufficient number of students; a minimum of 10 applicants is the usual requirement. Registration in any course may be closed when the maximum enrollment for efficient work has been reached.

Bulletin Rights and Exclusions

Bulletin Rights

An undergraduate student may choose to obtain a degree in accordance with the curricular requirements in force for the particular degree at the time the student first enrolls as a degree-seeking student at any University campus, or under subsequent requirements published while the student is enrolled.

Bulletin Exclusions

The student's choice is restricted to a specific bulletin and the curricular requirements described therein. Undergraduate students have a period of eight years, inclusive and continuous, in which to claim the rights of a specific bulletin.

Within the eight-year limit, an undergraduate student who is absent from the University for no longer than three years, and who returns to complete the program of study, shall have the right to continue under the bulletin in effect at the time of the student's original enrollment as a degree-seeking student. Alternatively, the student may elect the degree requirements under the bulletin in effect at the time of return. If the period of absence is longer than three years, the student will be subject to the curricular requirements in force at the time of return. Under no circumstances will students be allowed to appeal to short-lived rules and regulations which were adopted and abandoned during the period of their absence.

If drastic revisions of curricula or program requirements have occurred during a student's absence (even if for less than three years), or during the period between the student's original enrollment as a degree-seeking student and the eventual movement to a different degree program or campus within the University, a reasonable effort will be made by the academic dean to permit the student to undertake a transitional program that is equivalent to the educational experience intended under the bulletin in force at the time of the student's original enrollment as a degree-seeking student.

Academic Calendar Policies

Academic Calendar

The University follows an early Semester Calendar, with Fall semester beginning the Thursday of the third full week in August and ending in December before the winter break. Spring classes begin the second Monday of January, provided neither Monday is a holiday (New Years or MLK). For Fall and Spring semesters, there are 70 class days with a minimum of 2100 minutes of instruction for a standard 3 hour class-28 Tuesday and Thursday classes of 75 minutes per class meeting and 42 Monday, Wednesday, Friday classes of 50 minutes per class meeting. All nonstandard one or two day per week classes must meet the minutes of instruction requirements as part of the calendar.

Summer Term

The summer term consists of multiple course sessions between the spring and fall terms.

Students regularly enrolled in the University may take work applicable to their degree during the summer term. Regulations governing the regular academic year also pertain to the summer term.

A complete listing of all courses offered in the summer term will be available by April 1 on the registrar's Web site under "Master Schedule." Course sessions and times may vary.

Please refer to the registration calendars on the registrar's Web site for more detailed information.

Advisement Policies

Academic Advising

When students are accepted into the University, they are assigned an academic advisor. Students are expected to arrange to meet with their advisor at least once a semester to plan their course of study for the following semester. Students who do not know their assigned advisor should obtain this information from the appropriate departmental or academic dean's office.

Information, advice, and interpretations of University policies offered by advisors do not supersede the official statement of policies and academic regulations described in the University Undergraduate Studies Bulletin. Exceptions to University regulations cannot be made by academic advisors. Any exceptions to the policies and regulations set forth in the University Undergraduate Studies Bulletin must be made by the appropriate College Scholastic Standards and Petitions Committee or by the dean of the college.

Records of academic progress may be kept by advisors and deans, but the only official student records are maintained by the Office of the University Registrar.

Classification of Students

Classification is based on the total number of semester credit hours earned: A student must have earned 30 hours to be classified as a sophomore, 60 for classification as a junior, and 90 for senior classification. Students are classified at the beginning of each semester and maintain that classification until the next semester begins.

Changes in overall earned hours can affect a student's classification at any point in time during the academic year including but not limited to changes due to the posting of:

- Institutional coursework
- Institutional course grade forgiveness
- Institutional course withdrawals
- Transfer coursework
- Transfer dual enrollment credit
- External exam credit (AP, IB, CLEP, Cambridge)
- Military experience credit

Undeclared Freshmen

For various reasons it may be impossible or inappropriate for a student to declare a major. Nevertheless, all students will receive advisement in the college most closely related to their interests and abilities. Transient students are subject to the rules of their home institution and may take

course work at the University of South Carolina without a declared major. University courses are open to those seeking career advancement or life enrichment and who meet stated course prerequisites. Freshmen who have been accepted by the University, but who are unsure of academic or career goals, may need a period in which to establish their major interest. To accommodate students in these categories, courses which are usually open to students with 30 or fewer hours (freshmen) are open to all students who meet prerequisites published in the University's Undergraduate Studies Bulletin. Students who have earned 30 semester hours and wish to continue their studies at the University of South Carolina must declare a major in a program in which they meet entrance or progression requirements.

Course of Studies

Students are expected to follow the programs outlined by their school or college as closely as possible, particularly in the first two years when satisfying basic degree requirements and prerequisites for advanced work. Students must pursue required courses in the prescribed sequence. Failure to do so may lead to future schedule difficulties, and students may find that the subjects for which they wish to enroll are either not available or are closed to students with advanced standing. Students who fail to complete successfully all freshman requirements may not enroll in courses in their major field beyond the sophomore level. Students ineligible to continue courses in their major field may take electives until the deficiency is removed. Students who enroll in classes for which prerequisites or other defined requirements have not been met may be removed from these classes. Learning-disabled students who wish to take advantage of University-approved program accommodations must have an academic advisory plan on file with the Office of Student Disability Services and the dean of the college. This plan will be formulated by the student's academic advisor with the assistance of the Office of Student Disability Services and will contain recommended accommodations which specifically relate to and are consistent with the student's diagnosed disability. A copy of the student's academic advisory plan must be provided to the course instructor for the student to be eligible for a particular accommodation. Any substitutions for degree requirements recommended in the student's academic advisory plan must be referred to the Scholastic Standards and Petitions Committee of the student's college for action.

Changes in Curriculum

Undergraduate students interested in changing majors should contact the college or school offering the new curriculum the student intends to follow. Once all necessary permissions are obtained, the college or school that offers the new curriculum will notify the Office of the University Registrar to update the student's record. Curriculum changes can affect loan deferment, scholarship eligibility, athletic participation eligibility, tuition and fee assessment, and international student VISA regulations. For this reason, all curriculum changes must be completed before the end of the free drop/add period in Fall and Spring Terms (in Part of Term 30), and prior to June 1 during the Summer Term. Curriculum change requests that arrive at the Office of the University Registrar after these deadlines will be processed for the following term. Exceptions to this rule may be made in the event that a change request is being made in the semester that student is graduating from the University.

Course Substitutions

Only under unavoidable and exceptional circumstances will the faculty permit substitution for or exemption from the prescribed curricula. When it becomes necessary to request a deviation from the prescribed course of study, students should consult the dean of their college or the head

of the department in which they are majoring before preparing a petition listing the substitutions or exemptions sought and the reasons for the request. Petitions are submitted on forms obtainable from the Scholastic Standards and Petitions Committee of the particular college, and must be returned to the dean of the college in which the student is enrolled. Deviations from degree requirements published in the bulletin must be approved by the student's dean and the head of the student's major department. The Scholastic Standards and Petitions Committee of each college functions as an appeal board in cases where agreement between the dean, department head, and the student cannot be reached.

Course and Academic Credit Policies

Course Numbering

Courses numbered from 101 to 699 are available at different levels for undergraduate credit. Courses numbered from 700 to 899 may be taken for graduate credit only and are described in the *Graduate Studies Bulletin*. All courses numbered from 101 to 499 are for four-year baccalaureate degree candidates. Courses numbered from 500 to 699 may be taken by advanced undergraduate and graduate students for undergraduate or graduate credit, respectively. A 500- to 600-level course taken for undergraduate credit cannot later be awarded graduate credit.

Course Credit

The credit value of each course is usually determined by the amount of formal instructional time per week for one semester. At least 700 minutes of instruction (and at least twice that for laboratory time) can be expected per credit hour. The semester hour credit for each course is included in each course description.

No student suspended from the University of South Carolina for any reason may earn academic credit during the period of suspension, whether by residence elsewhere or by correspondence courses of any origin.

Remedial courses (courses numbered 100 or below) may not be used to meet degree requirements.

Credit by Examination

Currently enrolled students may obtain credit by examination in a course in which they have had no class attendance or semester standing; permission must, however, be obtained from the dean of the college or department chair in which the course is offered. A grade of not less than B on the examination is necessary in order to receive credit for the course. Examinations are not permitted in courses in which a student previously has been enrolled regularly or as an auditor. The applicant must pay to the Office of Financial Services in advance of the examination a fee of \$25 per semester hour; this fee is not refundable. The Office of Financial Services will issue a receipt which must be shown to the head of the department conducting the examination, who shall immediately report the results of the examination to the Office of the University Registrar. Credits earned under this regulation are recorded with hours earned only.

Transfer Credit

Students transferring to the University from another college or university must, before enrolling in class at the University, have their transcripts evaluated by the University. It is only in the light of such evaluation that students will know definitively the transferability and equivalency of each transfer course. Degree applicability will be determined by the college or school in which the student is enrolled.

Transferability refers to the conditions under which the University accepts credit for inclusion in the student's record. Transfer courses must have been taken at a regionally accredited post-secondary institution, or, if taken at a foreign post-secondary institution, have been recommended by a NACES - member external evaluation service. Exceptions to this rule may be made by the Office of the Registrar when state scholarship eligibility rules require inclusion.

Equivalency entails equating transfer credit, both in hours and content, to University of South Carolina coursework. The Registrar's Office works with UofSC colleges and schools to coordinate the process of transfer evaluation to equate transfer courses directly to courses in the UofSC course catalog; to subject codes which represent subjects not offered at UofSC; or to subject codes that identify courses as remedial/technical/non-accredited coursework. A list of transfer equivalencies for the Columbia catalog of courses can be found here (http://www.sc.edu/about/offices_and_divisions/registrar/transfer_credits/course_equivalency.php).

Applicability of credit toward a degree refers to the prerogative of academic divisions to count specific credit toward the fulfillment of a student's degree requirements. The student's college or school of enrollment is responsible for determining applicability.

However, a transfer course is not applicable towards any University of South Carolina academic program or degree if:

1. The transfer course was essentially remedial in nature (example: Developmental English).
2. The transfer course was occupational or technical in nature (examples: welding, paralegal, or radiography courses).
3. A grade lower than 2.0 on a 4 point scale, or equivalent, was earned in the transfer course.
4. The transfer course was taken by a degree-seeking University of South Carolina student without prior approval as described in the Earning Credit in Transient Status section of this bulletin.
5. The transfer course was taken while a student was on an academic suspension from the university.
6. The student received any grade other than W in an equivalent course at this university, unless the student was enrolled full time at least one year at the transfer institution.

Exceptions to the rules of applicability may be made only by petition to the dean for undergraduate studies of the College or School in which the student is majoring.

Effective Summer 2017 for all newly admitted and readmitted students, transfer grade points and GPAs will no longer appear on the UofSC record. Transfer course equivalencies, grades, attempted hours, and earned hours will appear on students' advising transcript in Self Service Carolina, while only transfer earned hours will appear on the official transcript.

Earning Credit in Transient Status

Since the University is accountable for the integrity of its degrees, it is essential that degree programs be closely monitored by University faculty. Therefore, students entering the University to seek a degree should expect to complete the majority of their academic work at the University of South Carolina. Normally students who wish to earn more than a semester of credit at another institution should meet all requirements and transfer to that institution. In some programs, and with the permission of the academic dean, students may take up to 18

semester hours of courses in transient status provided they have a 2.00 UofSC grade point average; the courses are approved in advance by the academic advisor and dean; and the other institution is fully accredited and the course work meets University specifications for transfer credits.

Study abroad or in special academic programs within the United States may be of particular benefit to students, and the University cooperates in a variety of national and international exchange programs in which students may pursue up to a year of academic work at another institution. Special permission is granted to students in these programs with the advance approval of the academic advisor and dean.

Course Load

Maximum credit limits, published in the Master Schedule of Classes, also vary according to college policy. Students will not be permitted to register for a semester load in excess of that prescribed for their program of study unless they earned an average of B or better on all courses for which they were enrolled (minimum 12 semester hours) for the preceding semester. New students are eligible for an extra course if they submit to the academic dean satisfactory evidence of equivalent academic achievement. Students eligible for an additional course on this basis must obtain prior approval for each course addition from the dean of their college. No course may be added after the last date to change course schedule or drop without a grade of W being recorded, as published in the academic and refund calendars on the registrar's website. (Note: This regulation does not apply to aerospace studies, Army or naval science courses, which may be added to a course program during the regular registration period without special approval.)

Undergraduate students who are enrolled in 12 semester hours or more for the fall, spring, or summer semester are considered full-time for academic purposes. Students who have been verified as learning disabled by the Office of Disability Resource Center must be enrolled in 9 semester hours or more for the fall, spring or summer semesters to be considered full-time students with regard to access to University residence halls and eligibility for financial aid, provided this is consistent with their academic advisory plan.

Graduate students who are enrolled in 9 semester hours or more for the fall, spring, or summer semester are considered full time for academic purposes.

Full-time fees for undergraduate students are calculated on 12 to 16 semester hours. Full-time status for graduate students with assistantships is determined by the dean of Graduate Studies.

Full-time benefits for veterans are determined by the Office of Veterans Services.

Auditing

A student must be admitted to the University and go through the regular registration process to be eligible for auditing any course. All auditors must be admitted to the University and go through the regular registration process. Those who are not full-time students will be charged the same fees as for courses taken for academic credit.

Auditing a course consists of attending classes and listening without responsibility for any assignments or examinations. An auditor is not responsible for any assignments or examinations. No record of audit shall appear on a transcript unless a student attends 75 percent of the classes.

No credit may be earned in an audited course by examination or otherwise. No audited course may be repeated for credit at a later date except by those students who have been verified as learning disabled by the Office of Student Disability Services and whose academic advisory plan recommends auditing a specific course before it is taken for credit.

The applicant must complete the prescribed procedure for enrollment through the Office of the University Registrar before class attendance will be permitted.

Students who have registered for a course on an audit basis and who wish to change their registration to take the course for credit (or who wish to change from credit to audit) must do so no later than the last day to change course schedule or drop without a grade of W being recorded, as published in the academic and refund calendars on the registrar's website.

Independent Study

The purpose of the independent study option is to allow the student to pursue an area of academic interest not adequately covered by the regular course structure. The experience shall involve an academic product that is consistent with the student's program of study.

Prior to enrolling in an undergraduate independent study course, a student must complete an Independent Study Contract (AS-6). The approval of the instructor, advisor, department chair, and student's dean is required. Students then present their approved copy to the Office of the University Registrar before registering for the course. Only students who take independent study as part of their major or minor or cognate program may receive grade-point credit for independent study. All other students will receive Pass-Fail credit. Students who take independent study on a Pass-Fail basis cannot later receive grade points, even if the student transfers to another major, minor, or cognate otherwise qualifying the course work as appropriate for grade points. This ruling is not reversible by petition.

A grade point average of 2.50 or greater is required to enroll in independent study courses. The amount of credit for independent study per semester is limited to 6 hours. Independent study credits applied toward any undergraduate degree may account for no more than 10 percent of the total required credit hours for that degree.

Repetition of Course Work

When a course is repeated, both grades will be entered on the student's permanent academic record and included in the grade point average, unless the grade forgiveness policy is applied. Course credit toward graduation will be given only once, unless otherwise stipulated in the course description. Many academic programs restrict the number of times a course may be repeated. Consult the college and department section of the bulletin for such restrictions.

International Courses (INTL) / Study Abroad

- 501 — Study Abroad—USC Exchange. (1-16) This course keeps a UofSC student active while on a pre-approved UofSC exchange program.
- 502 — Study Abroad—Non-USC Program. (1-16) This course keeps a UofSC student active while on a pre-approved non-UofSC study abroad program.
- 503 — Study Abroad—Through Another U.S. Institution. (1-16) This course keeps a UofSC student active while on a pre-approved non-

UofSC study abroad program through another U.S. institution of higher education.

Senior Privilege - Enrollment in Graduate Courses

A special provision to earn graduate credit is available for UofSC undergraduate seniors in their final semester who need less than a normal course load to complete baccalaureate requirements. Overload enrollment that includes one or more courses under senior privilege is not allowed. Courses for graduate credit under senior privilege cannot be used toward undergraduate degree requirements. For senior privilege consideration, undergraduate seniors with a 3.00 GPA should submit to The Graduate School, for the graduate dean's approval, form GS19 endorsed by the student's advisor, the chair of the department offering the course, and the academic dean for that department. This action should be taken before registration.

Accelerated Degree Programs

Certain academic units offer accelerated programs whereby an undergraduate student with a GPA of 3.40 and 90 or more hours toward the baccalaureate degree may apply graduate credits to a baccalaureate program. Admission can be requested by students in consultation with their academic advisor, their undergraduate dean, and the graduate director of the proposed master's program. An application form and associated guidelines may be obtained from The Graduate School.

Several of the University's colleges and schools are involved with a variety of accelerated degree programs. For more information, contact:

Office of Undergraduate Admissions
UofSC
Columbia, SC 29208
phone 803-777-7700

Registration Policies

Registration

To be officially enrolled in the University students must be academically eligible, complete the registration process with the Office of the University Registrar, and possess a receipt issued by the Office of Financial Services for payment of current academic fees.

Students are expected to complete registration (including the payment of all required fees) by the dates prescribed in the registration calendars on the registrar's Web site to avoid cancellation of classes and payment of a late registration fee of \$5 per day (\$350 maximum).

Changes in Enrollment

Adding a course, changing from credit to audit or audit to credit, changing from one section to another, and changing the number of credits in any variable credit course must be completed by the last day to change course schedule or drop without a grade of W being recorded, as published in the academic and refund calendars on the registrar's website. Electing or revoking the Pass-Fail option must be completed no later than the last day for dropping a course with a grade of W, as published in the academic and refund calendars on the registrar's website.

Dropping Courses and Withdrawal

Free Drop/Add Period

During the Free Drop/Add period, undergraduate students have the ability to add and remove courses from their schedule through Self Service Carolina. For each course, the Free Drop/Add period begins during the

official first day of the course and extends to a minimum of 6% of the Part of Term¹ in which the course is scheduled. Courses removed during the Free Drop/Add period will not be recorded on a student's transcript. Details regarding Free Drop/Add dates can be found on the Self Service Carolina log-in page (<http://my.sc.edu/codes/>) under the "Academics" sections.

Students are prevented from dropping or adding courses during the Free Drop/Add Period if they have an active registration hold on their record.

¹ Part of Term: Each course is associated with a specific part of the term for the semester or a specific date range in which the course is held. For example, Part of Term can refer to Full Term courses that run the full major semester (fall or spring) or Half Term courses that run only half of a major semester. Each Part of Term has specific drop/add, withdrawal, and withdrawal fail dates. Details regarding Part of Term dates can be found on the Self Service Carolina log-in page under the "Academics" sections.

Course Withdrawal Period

During the Withdrawal Period, undergraduate students have the ability to withdraw from a course with no grade penalty through Self Service Carolina. For each course, the Withdrawal Period begins after the Free Drop/Add Period and extends to a minimum of 72% of the Part of Term* in which the course is scheduled. Courses from which a student withdraws during this period are recorded on a student's transcript as a **W**; however, the semester hours will not be calculated in the computation of grade point average, count towards earned hours, or count towards graded hours. Courses that have a recorded grade of **W** will count towards attempted hours. Details regarding course Withdrawal dates can be found on the Self Service Carolina log-in page under the "Academics" sections.

Students are prevented from withdrawing from courses during the Withdrawal Period if they have an active registration hold on their record.

Course Withdrawal Fail Period

During the Withdrawal Fail Period, undergraduate students have the ability to withdraw from a course with a penalty grade through Self Service Carolina. For each course, the Withdrawal Fail Period begins after the Withdrawal Period and extends through the official last day of class for the part of term in which the course is scheduled. Courses from which a student withdraws with a grade of **WF** during this period are treated as an **F** in the evaluation of academic standing, computation of grade point average, and graded hours. Details regarding course Withdrawal Fail dates can be found on the Self Service Carolina log-in page (<http://my.sc.edu/codes/>) under the "Academics" sections.

Students are prevented from withdrawing from courses during the Withdrawal Fail Period if they have an active registration hold on their record.

Hardship Withdrawal

During and after the Withdrawal Fail Period, it may be necessary for a student to withdraw from all courses for the semester due to a significant personal hardship (e.g., medical or family emergency, prolonged illness, other medical or traumatic event). In these situations, students are able to petition for a Hardship Withdrawal from courses through the Office of the Dean of Students or the Hardship Withdrawal Committee. Each Palmetto College Campus has an equivalent hardship withdrawal process for managing petitions from students enrolled on their campus.

Hardship Withdrawal petitions, including verified documentation of hardship, submitted during the Withdrawal Fail Period until the last day of courses for the semester will be reviewed by the Office of the Dean of Students. Approved petitions will be submitted to the Office of the Registrar for grade assignments of **W** for all courses that semester on the student's transcript.

The Office of the Dean of Students will notify the student's instructors and their home college of the withdrawal.

Hardship Withdrawal petitions, including verified documentation of hardship, submitted after the last day of courses for the semester will be reviewed by the Hardship Withdrawal Committee that must include faculty and college/school representation. Approved petitions will be submitted to the Office of the Registrar for grade assignments of **W** for all courses that semester on the student's transcript.

Prior to a Hardship Withdrawal decision being made, all documentation is subject to verification by the Office of the Dean of Students and/or the Hardship Withdrawal Committee, including but not limited to class attendance, class participation, or supporting documentation. If false documentation or misrepresented information is submitted, students will be referred for alleged violation of the UofSC Honor Code and the Hardship Withdrawal request will be denied.

A Hardship Withdrawal to selectively withdraw from some courses, while remaining enrolled in other courses, will be permitted only under exceptional circumstances and must be approved by the Office of the Dean of Students in consultation with appropriate colleges/schools. The Office of the Dean of Students will submit a report of selective withdrawal decisions for verification to the Hardship Withdrawal Committee at the end of each semester.

Information regarding the University's Withdrawal Refund Appeals procedures can be found in the Fees and Refunds section of the bulletin.

Title IX Obligations

Information contained in Hardship Withdrawal petitions is private and not shared with instructors, departments, or colleges/schools outside of the Hardship Withdrawal Committee. However, in accordance with the provisions of Title IX of the Education Amendments Act of 1972 and University policy, if sexual misconduct information is included in a student's petition, the Office of the Dean of Students and/or the Hardship Withdrawal Committee is obligated to report the matter to UofSC's Title IX coordinator.

Withdrawing via Self-Service Carolina

Students can withdraw for the semester by withdrawing from all courses on Self Service Carolina. Students are encouraged to consider the Hardship Withdrawal Process if they are withdrawing during the Withdrawal Fail Period.

Active Duty Military Withdrawal

Students in the National Guard or armed forces reserves who are placed on active duty by order of the president of the United States or the governor of their state should pursue withdrawal from courses according to the provisions of the University's policy titled "Withdrawal of Students Called to Active Military Service" (ACAF 3.05). Active duty military personnel who are reassigned during an academic term may also invoke the provisions of this policy (<http://www.sc.edu/policies/ppm/acaf305.pdf>)

Course Drop and Withdrawal Chart

Name	Minimum Percentage of Class Time ¹	Grade	Considerations
Free Drop/Add Period	0-6% of classes	No Grade	<ul style="list-style-type: none"> Financial Aid Enrollment status Housing
Withdrawal Period	7-72% of classes	W grade will be recorded on transcript. W grade is not calculated in GPA.	<ul style="list-style-type: none"> Financial Aid Progression towards degree Satisfactory Academic Progress
Withdrawal Fail Period	73-100% of classes	WF grade will be recorded on transcript. WF grade is calculated as an F in GPA.	<ul style="list-style-type: none"> Financial Aid Progression towards degree Academic Standing
Hardship Withdrawal Period	73-100% of classes	W grades will be recorded for all courses for approved petitions. Petitions are subject to review by the Office of the Dean of Students	<ul style="list-style-type: none"> Financial Aid Refund Appeals Process
	After 100% of classes	W grades will be recorded for all courses for approved petitions. Petitions are subject to review by the Hardship Withdrawal Committee	<ul style="list-style-type: none"> Financial Aid Refund Appeals Process

Indebtedness

It is expected that students will discharge any indebtedness to the University as quickly as possible. No diploma, certificate, enrollment verification, or transcript will be issued to or for students who have not made satisfactory settlement with the Office of Financial Services for all of their indebtedness to the University.

Attendance Policy

The University of South Carolina expects its students to commit to their educations by attending class and participating in course activities. In assessing student attendance and participation, the University aims to ensure the highest academic standards while recognizing that events occur beyond the personal control of students or faculty. Different courses demand different approaches to assessing student attendance and participation. Therefore, subject to certain limitations

described below, instructors of record are responsible for determining the attendance and participation policies appropriate to their individual courses.

Each instructor should describe their attendance and participation policy in the courses syllabus, if only to point to this general policy. Should an instructor fail to provide a written attendance policy, this general policy applies.

If an instructor intends to assign a grade penalty for absence or a grade for participation the instructor must: inform students in writing how attendance and participation will be measured, particularly as such measurement goes beyond recording students' mere presence in the classroom for all or part of a class session; maintain current, verifiable records; take care to apply attendance and participation policies consistently and fairly for all students; and recognize that failure to comply could constitute grounds for a grade appeal.

While instructors are not required to keep a record of attendance, they are encouraged to do so whenever practical. Federal law requires institutions to document the last day of participation for enrolled students who fail to complete a course.

Instructors must allow make-up work for excused absences as described below.

Students are responsible for satisfying the requirements for attendance and participation for any class in which they are enrolled, including requirements for notification and documentation of excused absences. Whenever possible, and as specified below, documentation is required in advance of any excused absence.

This policy applies to all courses offered by the University of South Carolina, including synchronous or asynchronous online courses.

Excused Absences

Instructors requiring attendance as a component of a student's grade must distinguish between excused and unexcused absences in the written policy for the course.

Excused absences may not be penalized in a student's grade, and the student must be permitted to make up coursework missed due to an excused absence or to complete an equivalent assignment agreed upon with the instructor. Online courses, whether synchronous or asynchronous, are not exempt from this rule. In all cases of excused absence, the instructor of record must engage in an interactive process with the student to determine reasonable make-up work.

Instructors may refuse to grant a request for an excused absence or for make-up work that would result in a fundamental alteration of the essential academic requirements of the course. In such instances, students should be apprised of the University's policy regarding course withdrawals, including undergraduate hardship withdrawals.

The University of South Carolina is required by law to excuse absences from class for the following reasons:

1. Performance of a military duty or obligation imposed by state or federal law, as documented in writing by the appropriate state or federal authority.
2. Legal obligation to appear at or participate in a judicial or administrative proceeding, including the performance of jury duty, as documented in writing by the appropriate judicial or administrative authority.

3. Any medical condition related to pregnancy or childbirth, as documented by the student's health care provider, requiring the student's absence from class.
4. A disability, as defined by the Americans with Disabilities Act and as documented by the Student with the Student Disability Resource Center, which prevents the student from attending class.
5. Observance of a religious practice, holiday or holy day, if the instructor of the class is provided written notification by the student of their intent to observe such religious practice, holiday or holy day no later than the end of the second week of regularly scheduled classes in a full fall or spring semester term, and within twice the length of the drop/add period for any other term. Change / Drop dates can be found here (<https://my.sc.edu/codes/partofterms/index/>).
6. Any other absences required to be excused by applicable state or federal law.

The University of South Carolina requires that absences from class for the following reasons must also be excused:

1. Participation in an authorized University activity, in which the student plays a formal, required role. Such activities include, but are not limited to, musical performances, academic competitions, and varsity athletic events. University documentation of participation should be provided in advance of the absence.
2. Illness or injury that is too severe or contagious for the student to attend class, with appropriate documentation.
3. Death or severe illness of an immediate/dependent family member, with appropriate documentation.
4. University closure for weather-related or other emergencies.

Instructors, at their discretion, may also excuse absences from class for the following reasons:

1. Non-closure weather-related emergencies that affect a student's capacity to reach campus or that require a student's presence off-campus.
2. Mandatory interviews related to employment, professional school, or graduate school that cannot be rescheduled.
3. Any other situation deemed excusable by the instructor. Instructors are encouraged to show understanding toward students' needs while remaining mindful of the University's high academic standards and the need to be scrupulously even-handed.

Requesting Excuses

To arrange excuses for absences that can be anticipated at the start of a term—including, but not limited to, authorized university activities and religious observances—students should submit a request in writing (email is acceptable) stating the dates of the anticipated absence, explaining the reason for absence, providing supporting documentation as required above, and including any request for make-up work. Students should submit this request no later than the end of the second week of regularly scheduled classes in a full fall or spring semester term and within twice the length of the drop/add period for any other term. Change / Drop dates can be found here (<https://my.sc.edu/codes/partofterms/index/>).

To arrange excuses for absences that cannot be anticipated at the start of a term—including, but not limited to, legal proceedings or illness—students should submit in writing a request stating the date of absence, the reason for absence, and any request for make-up work as soon as reasonably possible after they become aware of the need to be absent. For instance, in the case of a contagious illness a student should notify the instructor soon after becoming aware of this illness. Instructors

should not maintain records of student medical conditions. On the Columbia campus, the Undergraduate Student Ombuds is available to certify any excuses involving confidential personal information.

Unexcused Absences: The "5% Rule"

The University recognizes that students may occasionally miss classes for legitimate reasons not rising to the level of a formal excuse. For this reason, course attendance policies may penalize unexcused absences in a student's grade only after a student's unexcused absences exceed a set percentage of the total classes that the student missed without excuse. Once unexcused absences exceed this set percentage, every unexcused absence may accrue a penalty to a student's grade.

For traditional lecture-based, face-to-face classes, the minimum percentage of unexcused absences allowed must be at least 5 percent of total class meeting time. For example, students in a traditional, face-to-face 3-credit course, which meets in class for a total of 2100 minutes, may not be penalized for absences that total less than 105 minutes of class time (a minimum of one allowable unexcused absence for a class meeting two times per week for 75 minutes; two for a class meeting three times per week for 50 minutes); students may be penalized for each unexcused absence beyond 105 minutes.

Exceptions:

1. Clinical courses, "practicum" courses, laboratory courses, and certain other special kinds of courses may have allowable percentages shorter than 5 percent of class time.
2. Online courses (asynchronous or synchronous) may also set their own policies for participation in online activities and/or meetings, to which the 5-percent minimum does not apply.

Any instructor assessing a grade penalty for absence must specify in the course syllabus the percentage of allowable unexcused absences (with a minimum of 5% for traditional face-to-face classes) and the penalty to a student's grade for each unexcused absence in excess of that percentage. Online courses should specify any penalties for not participating in activities in the allotted time without a valid excuse.

Instructors have full discretion to set their own policy regarding the late acceptance of course work missed due to an unexcused absence; this policy should be specified in the course syllabus.

Assistance and Appeals

On the Columbia Campus, the Undergraduate Student Ombuds is available to assist instructors and verify, in certain cases, students' stated reasons for requesting excused absences. Palmetto College campuses should work with their Faculty Organizations to define similar agencies.

Any student who is denied a request for an excused absence from class for any of the reasons set forth herein may appeal the decision per the STAF 6.30 Academic Grievance Policy. As described in STAF 6.27, the Undergraduate Student Ombuds is also available to help students resolve grievances and maintain policy compliance.

Students are expected to be fully honest with instructors, university staff and administrators when they make requests to excuse absences and when they work with instructors to arrange terms for the completion of coursework missed due to excused absences. Any dishonesty in requesting excused absences or accommodations for the timely completion of missed work is regarded as a violation of academic integrity and is subject to disciplinary action through the Office of Academic Integrity.

Examination Policies

Final Examinations

Final examinations for spring and fall semesters are held during a seven-day period at the close of each semester. Summer examinations are held during a two-day period at the close of each session. Semester examination schedules are published on the registrar's Web site under the "Calendar" link. The results of these examinations, combined with the grades for class performance, determine the reports given at the end of the semester. No final examination may be held outside of the stated time without the special permission of the dean of the college concerned. Reading Day is specified in the University calendar and no exams, quizzes or required class attendance may be scheduled for that day.

In any course or laboratory which meets two or three times per week, no quiz, test, or examination may be given during the last two class meetings prior to the regularly scheduled examination period. In any course or laboratory which meets once a week, no quiz, test, or examination may be given during the last class meeting prior to the regular examination period. In any course or laboratory which meets more than three times per week, no quiz, test, or examination may be given during the last three class meetings prior to the regular examination period. Self-paced courses are exempt from this regulation.

If an instructor teaches more than one section of the same course, students may transfer from one examination section to another with the instructor's permission.

Students who are absent from any final examination will be given the grade of F on the course if they have not offered an excuse acceptable to the instructor. If excused, they will be assigned a grade of I (see "I" entry under "Grading System"), and may complete the course under the conditions specified by the instructor in the "Assignment of Incomplete Grade" form.

Re-examinations for the purpose of removing an F or raising a grade are not permitted.

Graduating Seniors

No early examinations are given for graduating seniors. Students who have submitted a degree application may attend the graduation ceremony. Diplomas are mailed after final examinations and after a student's dean has verified that all degree requirements have been met.

Deferred Examinations

A student with excused absences from final examinations in one semester has the privilege of deferred or special examinations and may take the deferred examination at the next regular examination period, with credit for semester standing, provided the examination is taken at the convenience of the professor. The examination must be taken within one calendar year from the time that the absence was incurred. Deferred examinations will be granted only in case of absence certified as unavoidable because of sickness or other cause, rendering attendance at final examinations impossible.

Grading Policies

Grading System

Enrollment in a course obligates the student not only for prompt completion of all work assigned but also for punctual and regular attendance and for participation in whatever class discussion may occur. It is the student's responsibility to keep informed concerning all

assignments made. Absences, whether excused or unexcused, do not absolve the student from this responsibility.

Students' grades in their courses are determined by class standing and examination grade, combined in such proportion as the professor may decide.

Class standing is determined by the quality of a student's work and the regularity of attendance in lectures and laboratory sessions or other exercises of the course. Grading systems in graduate and professional schools are described in the appropriate bulletins.

A, B, C, D represent passing grades in order from highest to lowest. **B+, C+, D+** may also be recorded. **F** represents failing performance.

S and **U** indicate, respectively, satisfactory (passing) and unsatisfactory (failing) performance in courses carried under the Pass-Fail option. The S/U designation is used also for some research courses, workshops, and seminars in which the regular academic grades are not used. The use of the Pass-Fail grading option in such courses is indicated in their bulletin descriptions. No course carried under the Pass-Fail option will affect a student's grade point average or the evaluation of suspension conditions.

FN (Failure-Non Attendance) and **UN** (Unsatisfactory-Non Attendance) grades are assigned to students who never attended or have stopped attending class but have not officially dropped or withdrawn. Faculty are required to provide a last date of attendance when assigning this grade. The grade and the last date of attendance are used in determining the recalculation of awarded funds for financial aid recipients. Reporting the last date of attendance is critical to avoid potential financial liability for the institution.

FN and UN grades are displayed and calculated as F and U grades on the official transcript.

WF is assigned for student withdrawal from a course after the penalty deadline prescribed in the academic and refund calendars on the registrar's Web site. (See section on "Dropping A Course.") The grade of WF is treated as an F in the evaluation of suspension conditions and grade point average computation.

W is assigned for student withdrawal from a course after the late registration period but before the penalty date. Courses dropped during the late registration period (as published in the academic and refund calendars on the registrar's Web site) will not be recorded on a student's permanent record. In exceptional cases, the grade W will be used after the first seven weeks of a semester, primarily in cases of withdrawal from the University or from a course for medical reasons. (See section on "Dropping A Course.") A grade of W will not enter into the evaluation of suspension conditions or in grade point average computation but will be recorded on a student's permanent record.

I, Incomplete, is assigned at the discretion of the instructor when, in the instructor's judgment, a student is unable to complete some portion of the assigned work in a course because of an unanticipated illness, accident, work-related responsibility, family hardship, or verified learning disability. The grade of I is not intended to give students additional time to complete course assignments unless there is some indication that the specified condition or event prevented the student from completing course assignments on time. By arrangement with the instructor, the student will have up to 12 months in which to complete the work before a permanent grade is recorded. Re-enrolling in the course will not make up an Incomplete. An Assignment of Incomplete Grade form (AS-5) must be completed by the instructor and submitted to the Office of the University

Registrar explaining the reason for the I and conditions for make-up. A grade of I is not computed in calculating a student's grade point average. After 12 months an I that has not been made up is changed to a grade of F or to the back-up grade indicated by the faculty member on the Assignment of Incomplete Grade form.

T, a Graduate School symbol, is assigned to indicate enrollment in Thesis Preparation (799) and Dissertation Preparation (899). Courses with this symbol will be counted as hours attempted and hours earned only. Grade points will not be awarded. For unsatisfactory work the grade of U should be assigned. The grade of I cannot be assigned in courses numbered 799 and 899.

AUD indicates a course was carried on an audit basis. (See section on "Auditing" for more information.)

NR, No Record, is assigned in the event that the grade is not available at the time final grades are submitted. It is a temporary mark on the transcript and must be replaced by a grade. If replacement does not occur before the last week of the spring or fall semester following the term for which the grade was recorded, a grade of F will be assigned. The NR is ignored in computing the GPA.

Academic Honor Code Violation

A transcript notation on the graded course in which the violation occurred denotes "Honor Code Violation."

Pass-Fail Grading

The Pass-Fail program is designed to encourage students to investigate fields outside of their major curriculum in which they have a specific personal interest without affecting their grade point average. The only grades assigned on courses taken under the Pass-Fail option are S and U; a grade of S indicates satisfactory performance, a grade of U indicates unsatisfactory progress. A student will be given credit for courses in which the grade of S is earned, but these courses will not affect the computation of the grade point average.

Specific provisions of the Pass-Fail program are as follows:

1. The Pass-Fail grading system is in effect for an indefinite period of time, subject to periodic review.
2. The Pass-Fail option is not available to undergraduate students whose semester or cumulative GPA is less than 2.00.
3. Students are permitted to exercise the Pass-Fail option only on free elective courses.
4. Students are permitted to take no more than eight courses on a Pass-Fail basis during their undergraduate career.
5. A student wishing to exercise the option must have the permission of the dean of the college and the student's academic advisor. The Pass-Fail Option form (AS-20) is used for this purpose.
6. The option may be elected or revoked by the student no later than the last date for withdrawing from the course without a penalty.
7. Normal prerequisites may be waived for students taking a course on a Pass-Fail basis.
8. Courses taken under this option will be excluded from the calculation of the grade point average.
9. A grade of S will be entered by the Office of the University Registrar for a regularly assigned passing grade; a failing grade will be registered as U.
10. No course carried on a Pass-Fail basis will be counted toward the hours required for either the President's or the Dean's Honor List.

11. A verified learning-disabled student may take on a Pass-Fail basis an elective or required course which is not in the major if the academic advisory plan so recommends the Pass-Fail option for that course. A student who desires use of this option must apply to the dean of the college at the beginning of the semester. With the approval of the academic dean, learning-disabled students may meet specific degree requirements with a satisfactory grade.

Spring 2020 Undergraduate Pass-Fail Grading

Approved by the UofSC Faculty Senate on April 1, 2020

To address complications presented by the COVID19 pandemic, the Faculty Senate Steering Committee approved the following grading accommodations for undergraduate students enrolled in Spring 2020.

- All courses will be graded as originally planned according to grading criteria in course syllabi. After grades are submitted at the end of the semester, undergraduates can choose, on a course-by-course basis, to request a pass/fail grade for the Spring 2020 semester with the exception of Graduate or professional school courses, which can be taken as pass/fail only when deemed appropriate by the program or school Dean.
- The following pass/fail scale will be used: Earned grades of A, B+, B, C+, and C will be replaced with SC, earned grades of D+ and D will be replaced with S, and an earned grade of F will be replaced with U.
- If students select the S+/S/U grading scale for a course, points will not be factored into the GPA. Courses with S+ and S will count towards earned semester hours.
- Courses graded with the S+/S/U scale, under this exception for Spring 2020, will count towards applicable curricular, major, continuation, and graduation requirements. For example, if a course requires a C or better in a prerequisite, students selecting this alternative grading scale would need an S+ in the prerequisite course.
- Faculty members will not be aware of students who select the pass/fail grading option when entering final grades. Grades will be entered in the format for which the course was approved.
- Students who previously decided to take a course on a pass/fail basis will continue on a pass/fail basis using the University's established S/U system (e.g., S is earned if the grade is D or above and U is earned for grades below D).
- For the Spring 2020 semester, undergraduate students who choose to replace a course letter grade with the S+/S/U option must do so no later than July 1, 2020.
- This process will occur through the Office of the University Registrar. A form will be available on the University Registrar website for the student to request that a letter grade be replaced with the S+/S/U scale.
- UofSC will include a transcript note on all academic records, regardless of grading basis, indicating the extraordinary circumstances of the global public health emergency during Spring 2020.
- Because some graduate and professional programs require letter grades to be reflected on transcripts, when necessary, students will be able to request an official letter attesting to the letter grade earned in any classes that were converted to S+/S/U. This letter would attest only to grades, not to GPA. We will ensure that those who need evidence of your academic achievements this spring will be able to get it. A form will be available on the University's website for students to request these letters.

- Students will be allowed to retake undergraduate courses in which they earned an S+, S, or U during Spring 2020. Any undergraduate courses retaken under this provision will not count towards the number of courses currently allowed by the current course grade forgiveness policy. In addition, students who were retaking a class for grade forgiveness in Spring 2020 can retake the class another semester, without penalty.

Grade Point Average

The grade point average is computed on the basis of all semester hours attempted for credit, except for credit hours carried under the Pass-Fail or audit options. Courses in which a grade of S, U, AUD, T, or W was earned are not considered in computing the GPA.

The grade points earned in any course carried with a passing grade (A, B+, B, C+, C, D+, D) are computed by multiplying the number of semester hour credits assigned to the course by a factor determined by the grade. For courses in which the grade of A was earned, the factor is 4; for B+, 3.5; for B, 3; for C+, 2.5; for C, 2; for D+, 1.5; for D, 1. The grade point average is determined by dividing the total number of semester grade points earned by the total number of semester hours attempted for credit (excepting hours carried on a Pass-Fail or audit basis). No grade points are assigned to the symbols F, S, U, WF, W, I, AUD, T, or NR.

Course Grade Forgiveness

It is the policy of the University of South Carolina that every currently enrolled, fully admitted, degree-seeking undergraduate earning a D+, D, F, or WF in a University course may take up to two undergraduate courses for a second time for the purpose of grade forgiveness. Both the first and second grades shall appear on the University permanent record, but only the second grade will be used in computing the University of South Carolina cumulative grade point average. An explanatory notice will appear on the record. Once grade forgiveness is applied to a repeated course, the action may not be revoked.

An eligible student wishing to apply the course grade forgiveness policy to a course enrollment may do so at any time during his/her undergraduate enrollment, but no applications will be honored after the degree is awarded. Grade forgiveness can only be applied once per course for a maximum of two courses (not to exceed 8 credits) on a student's undergraduate academic record, without regard to the number of degrees sought. Under the grade forgiveness policy, the forgiven and repeated class must be taken at the University of South Carolina-Columbia campus or a Regional campus. Courses transferred from other institutions are excluded from this policy.

This policy does not preclude students from repeating classes multiple times, in accordance with program requirements, but only the second attempt at the class may forgive the original grade of D+, D, F, or WF. Only a regular letter grade can replace a forgiven grade. Grades of W, I, S, U, or AUDIT may not replace previous grades. Grades carrying an honor code violation sanction of X are not eligible for grade forgiveness.

Established requirements for repeating classes, admission to, or progression in, specific academic programs of the University take precedence over the grade forgiveness policy. Program or progression grade point averages are not affected by this policy. Refer to the guidelines for each program for specific requirements. Courses intended to be repeated for additional credit, such as research or applied music, are not eligible for grade forgiveness. Semester honors (dean's or president's honor list), or academic standing (scholastic deficiency,

probation, suspension), or previous grade point totals will not change retroactively as a result of applying this policy.

Students who have been granted academic forgiveness to reset the grade point average after readmission are not eligible for course grade forgiveness. Please refer to the bulletin entry titled Academic Forgiveness for Former UofSC Students with Less Than a 2.00 Cumulative GPA.

An eligible student wishing to apply the grade forgiveness policy may begin the process by reading the criteria which must be met and completing the necessary documentation in order to apply grade forgiveness. The criteria and documentation can be found here (http://www.sc.edu/about/offices_and_divisions/registrar/transcripts_and_records/grade_forgiveness/).

Note that Academic Forgiveness is not the same as Grade Forgiveness. Please refer to the bulletin entry titled Academic Forgiveness for Former UofSC Students with Less Than a 2.00 Cumulative GPA.

Grade Reports

Students' grades are reported on Self Service Carolina. Students can also access grade reports in person at the Office of the University Registrar.

Grade Change Policy

Grade changes based on transcription or computation errors shall be reported directly to the Office of the University Registrar on the appropriate grade change form signed by the instructor and the head of the student's academic unit. Any request for a grade change must be submitted by the instructor no later than one calendar year from the date on which the grade was reported. Beyond this period, grade changes will be considered only in exceptional circumstances and must be handled through the petition procedure of the student's college. Any other grade change request resulting from enrollment discrepancies, medical withdrawals, or perceived administrative errors (changes to W, WF, audit, credit, S/U, or to I) must be submitted on the appropriate forms with signatures and documentation to the dean of the student's college for review through the petition procedure. This does not apply to the routine makeup and extension of an I (incomplete) and posting of a permanent grade to replace the recorded NR mark. An I turns into a grade of F after one year; an NR turns into a grade of F after one semester. Special makeup work or examinations to change grades already recorded are not permitted.

Academic Standards Policies

Academic Standards

The following standards for continuing at the Columbia and regional campuses of the University of South Carolina apply to all undergraduate students who first enroll at the Columbia and regional campuses of the University in the fall 2008 semester or thereafter, are admitted to the Columbia and regional campuses of the University in an undergraduate degree program in the fall 2008 or thereafter, or are enrolled in the fall 2010 semester or thereafter, regardless of when first enrolled at the University. Administration of these regulations is the responsibility of the academic deans, who are not empowered to waive any of the provisions.

Academic Review

The record of every undergraduate student will be reviewed at the end of each fall and spring semester. Many of the individual colleges of the University have higher academic requirements for students to continue in their degree programs. However, no student will be suspended

academically from the University unless he/she fails to meet the standards specified here.

Academic Standing

A student's academic standing is based on his/her "Total Institutional GPA" and "Total Institutional GPA Hours" which can be viewed in Self Service Carolina at the end of a student's "Unofficial Academic Transcript" under the heading, "Transcript Totals (Undergraduate)."

Academic Probation

When a student's Total Institutional GPA at the end of any semester is less than a 2.00, he or she is placed on academic probation.

First-Year Freshmen Academic Recovery Program

First-year freshmen who have less than a 2.00 Total Institutional GPA at the end of their first semester of collegiate enrollment are considered at risk. During the first six weeks of their second semester, these students must participate in an academic coaching session before being eligible to register for courses for the third semester. These sessions will provide students with assistance in academic planning, general advisement, major exploration, degree audit, self-assessments, and success strategies. This requirement is in addition to any made by the student's college, school, or academic program.

Removal from Academic Probation

When a student's Total Institutional GPA at the end of any semester is a 2.00 or above, he or she is not on academic probation.

Continuing on Academic Probation

Any student who is on probation at the beginning of a fall or spring semester must achieve a certain Total Institutional GPA at the end of that semester in order to avoid suspension. A student may also continue on probation and avoid suspension if the semester grade point average is 2.50 or greater. Standards for continuing on probation are based on the cumulative grade hours the student has attempted at UofSC. The chart below shows the grade point averages required in order to avoid suspension.

Probation Chart

Total Institutional GPA Hours	Placed on Probation	Continue on Probation (avoid suspension)	Removed from Probation
12-35	below 2.00 Total Institutional GPA	1.500 or higher Total Institutional GPA	2.00 or higher Total Institutional GPA
36-71	below 2.00 Total Institutional GPA	1.800 or higher Total Institutional GPA	2.00 or higher Total Institutional GPA
72+	below 2.00 Total Institutional GPA	only with semester reprieve (see below) or by college petition	2.00 or higher Total Institutional GPA

Semester Reprieve: Regardless of the Total Institutional GPA, a student may continue on probation and avoid suspension if the Current Term grade point average is 2.50 or greater.

First Suspension

Students unable to meet the standards shown above are suspended from the University of South Carolina for one fall or spring semester and the contiguous summer (approximately eight months). Students have the

right to appeal their suspension to the petitions committee of the college or school in which they were enrolled when suspended.

Returning After First Suspension

After the suspension has been served, a student will be considered for readmission by the college or school to which the student is seeking admission. A student readmitted following suspension continues on probation and is reviewed for suspension at the end of each fall and spring semester. A Current Term grade point average of 2.50 or higher must be achieved each semester until the Total Institutional GPA reaches the level above which suspension would occur (see chart).

During the first six weeks after returning from a first suspension, students must participate in an academic coaching session before being eligible to register for courses for the following semester. These sessions will provide students with the resources they need to meet their academic goals.

Returning after Subsequent Suspension

The duration of the second suspension is indefinite, and the student can be considered for readmission only after being approved for reinstatement by action of the petitions committee of the college or school to which the student is seeking admission. A favorable decision by the committee is unlikely within two years of the suspension.

Earning Academic Credit While on Suspension

A student on suspension is given an opportunity to reorder priorities and reassess his or her situation before returning. While serving suspension, a student may not be admitted to, or continue in, any academic program of the University. Credit earned at any other institution while a student is on suspension from the University may not be applied toward a degree from UofSC, unless approved by the Standards and Petitions Committee of the college to which the student is readmitted. Prior approvals for transient study will be revoked for suspended students.

Retention in Degree Programs

Students are reminded that the above regulations are for all undergraduate students in the University. Many colleges and schools offer degree programs that have more stringent requirements for retention in those programs. Failure to meet the academic requirements of those degree programs may result in the student being asked to leave that program. Students should consult the colleges and schools section of the Academic Bulletin to review the specific degree retention requirements.

Academic Progression and Program Dismissal

Students dismissed from a program for failing to meet academic progression requirements will be reassigned to Undergraduate Studies and will be advised by the University Advising Center. Students assigned to Undergraduate Studies will have a maximum of two semesters before declaring a new program of study. At the conclusion of two semesters enrolled at full-time status, students who have not declared a major/program within a degree-granting college will have a registration hold placed and will be unable to enroll in coursework.

Petition Procedures

In addition to previously specified provisions by which a student may petition to waive the application of this suspension policy, a student suspended by this policy has the right to petition to the appropriate college scholastic standards and petitions committee to waive the

application of the suspension rule at any time. Students placed on first suspension who wish to petition for a waiver of the suspension rule may petition only the committee of the college in which they were enrolled at the time of suspension.

Academic Forgiveness Policy

Academic Forgiveness for Former UofSC Students with Less than a 2.00 Cumulative GPA

Under certain conditions undergraduate students may apply for academic forgiveness. Academic forgiveness allows for a recalculation of the GPA to permit a student to graduate or pursue a specific academic program. In order to apply for academic forgiveness all of the following conditions must be met:

1. The student has not been enrolled at any campus of the University of South Carolina for at least 48 months.
2. The student must have been readmitted to a degree program at the University of South Carolina and must have completed at least 24 hours of approved graded course work prior to applying for academic forgiveness.
3. After readmission the student must have earned a cumulative GPA of at least 2.00 and met the progression requirements of the degree program.
4. The student must never before have been granted academic forgiveness.

A student who has met these conditions and desires academic forgiveness must submit a written request for academic forgiveness to the dean of the college in which the student is enrolled. After verification of the student's eligibility, the dean shall inform the registrar that academic forgiveness has been granted to the student.

Once academic forgiveness has been granted, the following apply to the student's academic record:

1. All curriculum requirements will be in accordance with those in force at the time of or subsequent to the student's readmission.
2. The student may not receive Academic Honors upon graduation.
3. The student's grade point average is recalculated beginning with the semester in which the student was readmitted to the University. All academic hours attempted at UofSC will be calculated toward the GPA. The student's GPA will be recalculated using the GPA after readmission and a 2.00 on all grade hours taken prior to readmission.
4. Courses in which the student received a passing grade prior to readmission may, at the discretion of the dean, be applied toward the degree.
5. The following statement shall appear on the academic record and transcript of any student granted academic forgiveness: "This student was granted academic forgiveness under the University of South Carolina Academic Forgiveness Program. The GPA has been recalculated under the criteria of this program to allow for eligibility for graduation."
6. The permanent academic record will remain an unmodified record of all work attempted at the University of South Carolina.

Academic Honors Policies

Honor Lists

Each semester academic achievement is recognized by entering on the President's Honor List or the Dean's Honor List the names of

students who, at the end of the previous semester, attained the following standards:

President's Honor List: a grade point average of 4.00 earned on a minimum of 12 credited semester hours.

Dean's Honor List: a grade point average of 3.50 or higher earned on a minimum of 12 credited semester hours.

No course carried on a Pass-Fail basis, by examination, correspondence, or exemption will be counted toward the 12 hours required for either the President's or Dean's Honor List

Graduation with Honors

Graduation with honors will be based on a student's Total Institutional GPA. Honors designators are determined at the time of graduation and may not be applied retroactively.

To graduate with such honors, a student must have earned at least 60 credit hours applicable toward the degree in residence at the University, 30 credit hours for an associate degree.

The following designations indicate a consistently high level of academic achievement at USC.

Baccalaureate Degree Designations

- Summa Cum Laude: a cumulative GPA of 3.95-4.00
- Magna Cum Laude: a cumulative GPA of 3.75-3.949
- Cum Laude: a cumulative GPA of 3.50-3.749

Associate Degree Designations

- Highest Honors: a cumulative GPA of 3.95-4.00
- High Honors: a cumulative GPA of 3.75-3.949
- Honors: a cumulative GPA of 3.50-3.749

With Honors from South Carolina Honors College: Any student who completes the requirements of the Honors College, regardless of the major or undergraduate degree, is awarded that degree "With Honors from South Carolina Honors College."

With Distinction: Any student who earns an undergraduate degree and completes the appropriate requirements will be awarded graduation "With Distinction in [that major]." For details, refer to the degree requirements of specific majors

With Leadership Distinction: Any undergraduate student who completes Leadership Distinction requirements in community service, diversity and social advocacy, global learning, professional and civic engagement, and/or research as specified by the Provost's Office, regardless of the major or undergraduate degree, is awarded that degree "With Leadership Distinction in [that track]." For further details, contact the Office of UofSC Connect.

Degree Conferral and Graduation Policies

In-Residence Requirement

The last 25% of a student's degree must be completed in residence at the University, and at least half of the hours in the student's major courses and in the student's minor courses (if applicable) must be taken at the University.

The chart below shows the minimum number of hours required to be completed in residence based on to the total number of hours required for a degree.

In-Residence Chart

Total Number of Hours Required for Degree	Minimum Number of In-residence Hours
60 Hours (Associates Degree)	15 Hours
70 Hours (Associates Degree)	18 Hours
120 Hours	30 Hours
121-124 Hours	31 Hours
125-128 Hours	32 Hours
129-132 Hours	33 Hours
133-136 Hours	34 Hours
137-140 Hours	35 Hours
141-144 Hours	36 Hours

Some programs impose greater student residence and/or major requirements.

Regardless of when students enter the University, they must complete the last 25% of the degree before graduation enrolled in classes approved by the appropriate dean of the college, school, or campus from which the degree will be granted. In addition, all degree applicants are urged to confer with the deans of their respective colleges about their programs and degree requirements prior to the beginning of their last semester of residence at the University.

"In residence" means that the student was regularly enrolled at UofSC; completed courses offered by Columbia or one of the other campuses of the University; was a member of a class which was supervised by a regular faculty member of UofSC; attended classes on a regular, pre-established schedule; and in other ways conformed to the requirements which are normally connoted by the term "in residence." In-residence requirements may not be met by courses for which credit is earned by exemption or exam, courses taken by correspondence, or courses for which transfer credit was awarded. Courses taken under the Pass-Fail option meet in-residence requirements. If the student has not established credit for the prescribed number of hours in residence, then the student is not eligible either for graduation with honors or for graduation on the basis of having completed 25% of the degree during the final semesters at the University.

Application Process

All candidates for degrees and certificates must file formal applications online, in Self Service Carolina, during the last academic term prior to graduation. Applications must be filed by the posted deadline found on the website of the Office of the University Registrar. (https://sc.edu/about/offices_and_divisions/registrar/)

Graduation Requirements

In order to be eligible for graduation, students must meet all course requirements, be in good academic standing, meet any departmental or program requirements, and have a cumulative GPA of at least 2.00 on all work attempted at UofSC.

Additional Majors

In some degree programs, a student may elect additional majors. Additional majors are awarded in the same graduation term with one degree. Additional majors are awarded within the same college (exceptions are listed below). Students receive one diploma for each degree earned regardless of the number of majors awarded under a degree. Additional majors are not an option for all academic programs. Colleges may allow an additional major to satisfy some degree

components. Please review program requirements in the academic bulletin for more information.

Special Valid Combinations for Additional Majors

In certain circumstances, students can receive an additional major under a non-corresponding degree and/or college.

Arts and Sciences Majors

An undergraduate student, whose primary program of study is in the College of Arts and Sciences, may earn an additional major in any major from the College of Arts and Sciences, regardless of degree type.

- ex. B.S. in Chemistry with a second major in English

School of Music And College Of Arts and Sciences

An undergraduate student, whose primary program of study is in the School of Music, may earn an additional major from the College of Arts and Sciences.

- ex. B.A. in Music with an additional major of Anthropology

College of Engineering and Computing And College Of Arts and Sciences

An undergraduate student, whose primary program of study is B.S.C.S. in Computer Science from the College of Engineering and Computing, may earn an additional major in Mathematics from the College of Arts and Sciences.

Additional Degrees

Students may also pursue more than one degree either simultaneously within the same term or in subsequent terms. The requirements for both degrees must be satisfied by no less than 144 total credit hours. The additional requirements for the additional degree must include a minimum of 24 semester hours beyond those required for the student's primary or first awarded degree. Students receive a diploma for each degree awarded.

Requirements for Pursuing an Additional Major or Degree

1. The student must be accepted into the additional major or degree program.
2. The student must meet progression requirements for the additional major or degree program.
3. All requirements for the degree normally associated with the additional major must be fulfilled.
4. All requirements for an additional degree program must be fulfilled.

Course Sharing Rules

- If pursuing an additional degree, a course may apply once in the primary degree program and once in each additional degree program.
- Within a single program of study, courses may not be applied toward more than one required academic program component (Carolina Core, College Requirements, Program Requirements, Major Requirements). This rule does not apply to optional components (e.g., a minor or additional major that is in addition to the degree requirements).
- The university ensures that no additional major or degree has excessive overlap of degree requirements. (See SACSCOC Standard 9.2)

Invalid Combinations

Two Degrees with the Identical Majors

A student cannot earn two degrees with an identical major.

- ex. B.S., Psychology, B.A., Psychology in the same graduation term.

Identical Major/Minor

A student cannot earn a major and minor in the same discipline.

- ex. B.A., Film and Media Studies

Indebtedness

It is expected that students will discharge any indebtedness to the University as quickly as possible. No diploma, certificate, enrollment verification, or transcript will be issued to or for students who have not made satisfactory settlement with the Office of Financial Services for all of their indebtedness to the University.

Records, Transcript, and Enrollment Certification Policies

Change of Name or Address

It is the obligation of every student to notify the Office of the University Registrar of any change in name or address (including electronic address). Failure to do so can cause serious delay in the handling of student records and in notification of emergencies. Change of name may only be accomplished by presenting proper legal documentation.

Transcripts

A transcript of a student's record carries the following information: current status; a detailed statement of the scholastic record showing courses pursued with semester hours carried, semester hours earned, grades, grade points, grade point average, and system of grading; a permanent record of all failures, incomplete grades, and penalties (such as suspension); cumulative UofSC grade totals; and references to other college or universities attended, dates attended, and the total transfer credits accepted by the University of South Carolina.

Any student who needs a transcript or a certified copy of the end-of-semester grade report may complete a Transcript Request form or send a signed and dated letter containing all pertinent identifying information to the Office of the University Registrar. Official transcripts may also be requested online through Self Service Carolina. With the exception of copies made for internal use, no copy of a student's permanent record (transcript) will be released to anyone without the student's written consent. In addition to the written consent, each transcript request should include full name or names used, student number, current mailing address, dates of attendance, location of attendance, and date of birth to assure proper identification of the record requested.

No transcript will be issued to a student who is indebted to the University.

No partial transcript will be issued.

The nonrefundable transcript processing fee is \$12.

Enrollment Certification

Certification of enrollment is based upon the total number of credit hours for which a student is registered at the time of the certification request. Beginning and ending dates reported in enrollment certification conform to the official UofSC academic calendar dates for the term requested.

Indebtedness

It is expected that students will discharge any indebtedness to the University as quickly as possible. No diploma, certificate, enrollment verification, or transcript will be issued to or for students who have not made satisfactory settlement with the Office of Financial Services for all of their indebtedness to the University.

Notification of Student Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights include:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the University to amend a record should write the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the University decides not to amend the record as requested, the University will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the University discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent. The University may disclose Directory Information without prior written consent, unless the student has submitted a written request to the Office of the University Registrar not to release Directory Information pertaining to him or her. Students are notified annually, both in the academic bulletins and via email, of their rights under FERPA and are provided with instructions on how to request a "Confidentiality Indicator" on their academic record which prevents the disclosure of Directory Information. A Confidentiality Indicator will be placed on the release of Directory Information filed with the University Registrar, which will remain in effect until the student files a written request to remove it. A request not to disclose Directory Information applies to the entire category of such information and cannot be selective with regard to specific items defined as Directory Information. Similarly, a request not to disclose Directory Information applies to all individuals and cannot be selective with regard to specific individuals or organizations.

- The University discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A

school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position; a person or company with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, service provider or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

- A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the University.
- To officials of other institutions in which the student seeks or intends to enroll provided that the student had previously requested a release of his/her record;
- To authorized representatives of the U.S. Department of Education, U.S. Department of Defense (Solomon Amendment), U.S. Attorney General, the Comptroller General of the United States, state education authorities, organizations conducting studies for or on behalf of the University, and accrediting organizations; to the Department of Homeland Security (DHS) and its Immigration and Customs Enforcement Bureau (ICE) in order to comply with the requirements of SEVIS.
- In connection with a student's application for, and receipt of, financial aid;
- To comply with a judicial order or lawfully issued subpoena;
- To parents of dependent students as defined by the Internal Revenue Code, Section 152;
- To appropriate parties in a health or safety emergency; or
- To the alleged victim of any crime of violence or the results of any disciplinary proceedings conducted by the University.
- The University may disclose the result of a disciplinary proceeding to a parent or guardian so long as the student is under the age of 21 at the time of the incident and the proceeding has resulted in a violation of University drug or alcohol policies, or any federal, state, or local law.
- To students currently registered in a particular class, the names and email addresses of others on the roster may be disclosed in order to participate in class discussion.

Release of Directory Information

In accordance with section 99.7 of the Family Educational Rights and Privacy Act (FERPA), the University of South Carolina provides students annual notification of their FERPA rights. The University of South Carolina has designated certain items as Directory Information. At the University of South Carolina, these items are as follows:

- Name
- Dates of Attendance
- Campus
- College or School
- Classification
- Primary Program of Study
- Full-time or Part-time Status
- Degree(s) Awarded Including Dates
- Honors and Award Including Dean's and President's List
- University Email Address

- City, State, and Zip Code Associated with a Student's Permanent Address

The University may disclose Directory Information without prior written consent, unless the student has submitted a written request to the Office of the University Registrar not to release Directory Information pertaining to him or her. Students are notified annually, both in the academic bulletins and via email, of their rights under FERPA and are provided with instructions on how to request a "Confidentiality Indicator" on their academic record which prevents the disclosure of Directory Information. A Confidentiality Indicator will be placed on the release of Directory Information filed with the University Registrar, which will remain in effect until the student files a written request to remove it. A request not to disclose Directory Information applies to the entire category of such information and cannot be selective with regard to specific items defined as Directory Information. Similarly, a request not to disclose Directory Information applies to all individuals and cannot be selective with regard to specific individuals or organizations.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University of South Carolina to comply with the requirements of FERPA.

Family Policy Compliance Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-5901

Academic Assessment Policy

Assessment, in a university or college setting, can be interpreted to mean several things. Assessment can be the process of evaluating the success of a university in meeting its mission and goals (institutional assessment), or it can be the processes associated with evaluating student outcomes in relation to stated program goals (program assessment), or it can be course-embedded assessment techniques used to deliver information and/or evaluate student learning by observing students' skills and abilities.

The University of South Carolina is committed to offering programs and activities that encourage students to develop both academically and socially. In order to evaluate the effectiveness of our efforts, faculty, administrators, and staff conduct ongoing assessments. The Office of Institutional Planning and Assessment assists the faculty, administration, and other staff in gathering and analyzing assessment data. Assessment, therefore, is the ongoing process of self-improvement through analyzing and evaluating all of our functions and activities.

Students, faculty, and staff play critical roles in the assessment process. Consequently, participation in assessment activities is a University priority and responsibility. The information gleaned from assessment activities is used for planning and program improvement. Many of the University's assessment activities are mandated by external agencies. Therefore, all students wishing to receive a degree from the University of South Carolina must complete procedures required for the assessment of general education and those required by their major and/or area of concentration. If a student fails to participate in a required assessment activity, a hold may be placed on the student's records.

Primary responsibility for the assessment of academic programs within the major or area of concentration is with the faculty of each academic unit. Information pertinent to assessment of the major or area

of concentration is provided to students by the department from which the degree will be granted.

Primary responsibility for coordinating the assessment of general education is with the Office of Institutional Assessment and Compliance. The faculty is actively involved in planning assessment and using the results of assessment to evaluate the effectiveness of general education. The assessment of general education is administered through the use of exams, interviews, surveys, questionnaires, or other instruments as developed by the faculty and Office of Institutional Assessment and Compliance.

The results of any activities used for program or general education assessment may not be used for promotion and/or tenure files or for annual performance evaluations or for the evaluation of any student's progress in a course or progress toward a degree. Assessment activities, however, are integral to the processes of teaching and learning.

For more information contact the Office of Institutional Assessment and Compliance (<http://www.ipr.sc.edu/>).

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