

# INFORMATION SCIENCE, B.S.

## Learning Outcomes

1. Students will describe the techniques and principles for creating, storing, organizing, transforming, and communicating information to various information seekers.
2. Students will demonstrate practical skills of information science and the use of information systems.
3. 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.

## Entrance Requirements

New freshmen who meet University admissions standards are eligible for admission to degree programs offered by the School of Information Science.

A student who wishes to enter the School of Information Science 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 School of Information Science from another USC 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 USC campus.

A student who wishes to enter the School of Information Science from another institution must have a cumulative GPA of 2.25.

## Degree Requirements (120 hours)

### Program of Study

Requirements	Credit Hours
1. Carolina Core	31-44
2. College Requirements	0
3. Program Requirements	40-53
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 110, STAT 112, STAT 201, STAT 205, or STAT 206
- any CC-ARP course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

### SCI – Scientific Literacy (7 hours)

- Two approved Carolina Core Scientific Literacy courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>) from the natural sciences, including one laboratory course

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

Students in the School of Information Science are required to demonstrate proficiency in one foreign language equivalent to the 110 or 121 course through course credit or the corresponding foreign language placement score.

- 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 <sup>1</sup> (0-3 hours)

- any overlay or stand-alone CC-CMS course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)  
ISCI recommends one of the following:
  - SAEL 200
  - SPCH 145
  - SPCH 230

### INF – Information Literacy <sup>1</sup> (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 Responsibility<sup>1</sup> (0-3 hours)

- any overlay or stand-alone CC-VSR course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>) (ISCI recommends SAEL 200)

<sup>1</sup> **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 (40-53 hours) Supporting Courses (15 hours)

Complete the required credit hours for each category below.

Course	Title	Credits
<b>Technology/Systems</b>		
Select three hours of the following:		3
CSCE 101	Introduction to Computer Concepts	
CSCE 102	General Applications Programming	
MGSC 290	Computer Information Systems in Business	
GEOG 263	Geographic Information Systems	
ITEC 444	Introduction to Human Computer Interaction	
<b>Diversity, Equity, and Inclusion</b>		
Select three hours of the Diversity and Social Advocacy track of GLD		3
<b>Business/Management</b>		
Select three hours of the following:		3
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	Management in Data Driven Organizations	
<b>Additional Professional Courses</b>		
Select two from any of the courses listed in the categories above <sup>1</sup>		6
<b>Total Credit Hours</b>		<b>15</b>

## Electives (25-38 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	Data, Information & Society	3
ISCI 202 or ISCI 310	Information Literacy and Technology Information Science Data Analysis and Evaluation	3
ISCI 250	Information Design	3
ISCI 301	Text Mining in Big Data Analytics	3
ISCI 410 or ISCI 415	Knowledge Work as an Organizational Asset Social Issues in Information and Communications Technologies	3
ISCI 434	Introduction to Knowledge Discovery	3
ISCI 560	Data Visualization	3
ISCI 494 or ISCI 496	Independent Study in Information Science Internship in Information Science	3
<b>Total Credit Hours</b>		<b>24</b>

## Major Electives (12 hours)

Course Title Credits  
Select 12 hours from ISCI 100-level and above and the JOUR courses listed below. No more than 6 hours may be selected from JOUR courses. 12

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	
<b>Total Credit Hours</b>		<b>12</b>

## 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.

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