

INTEGRATED INFORMATION TECHNOLOGY, B.S.

Degree Requirements (120 hours)

See College of Engineering and Computing (<https://academicbulletins.sc.edu/undergraduate/engineering-computing/>) 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	41-50
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 (34-43 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, STAT 205, or STAT 206

SCI – Scientific Literacy (7 hours)

- two CC-SCI courses (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>) 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 (<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 ¹ (3 hours)

- SPCH 140, SPCH 145, or SPCH 230

INF ¹ – Information Literacy (0-3 hours)

- any overlay or stand-alone CC-INF course (<https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/>)

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

- ITEC 101

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 (41-50 hours)

Supporting Courses (36-41 hours)

Course	Title	Credits
Foundational Courses		
Select one of the following:		3-6
RETL 261 & 262	Principles of Accounting I and Principles of Accounting II	
or ACCT 222 Survey of Accounting		
ECON 224	Introduction to Economics ¹	3
SPT 240	Business Law	3
or ACCT 324 Survey of Commercial Law		
HTMT 344	Personnel Organization and Supervision	3
or MGMT 371 Principles of Management		
Select one of the following:		3
ITEC 242	Business Communications	
ENGL 462	Technical Writing	
ENGL 463	Business Writing	
MGMT 250	Professional Communication	

Lower Division Integrated Information Technology

Must be passed with a grade of C or higher:

ITEC 233	Introduction to Computer Hardware and Software	3
ITEC 293	Cybersecurity Operations	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 104 & 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	

ITEC 544	Training Systems	3
ITEC 545	Telecommunications	3
ITEC 552	Linux Programming and Administration	3
ITEC 562	Advanced Web Support Systems	3
ITEC 570	Database Management and Administration	3
ITEC 590	Special Topics in Integrated Information Technology	3

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 (0-14 hours)

The IIT curriculum includes 0-14 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 and Security	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)

Students must take 3 credit hours of Integrated Information Technology electives. Undergraduate courses that may be used to satisfy this requirement are listed below. In addition, ITEC 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
ITEC 475	Mainframe Systems	3
ITEC 476	Job Control Language	3
ITEC 490	Special Topics in Information Technology	3
ITEC 510	Emerging Information Technology Trends	3
ITEC 534	Advanced Human Computer Interaction	3