COMPUTER INFORMATION SYSTEMS, B.S.

Degree Requirements (120-128 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	34-44
2. College Requirements	0
3. Program Requirements	57-59
4. Major Requirements	27

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 (https://academicbulletins.sc.edu/undergraduate/carolina-core-courses/) 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 (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 – Information Literacy [1] (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 [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	Technical Writing	3
or ENGL 463	Business Writing	
MATH 174	Discrete Mathematics for Computer Science [1]	3
or MATH 374	Discrete Structures	
STAT 509	Statistics for Engineers	3
or STAT 515	Statistical Methods I	
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 - a list of acceptable courses is also maintained in the department office and on its website		
Total Credit Hours		**3**