



Program of Study

**Degree Requirements (121 hours)**

1. **Carolina Core (34-44 hours)**

- a. **CMW** (6 hours) –*must be passed with a grade of C or higher*
  - i. ENGL 101 - Critical Reading and Composition
  - ii. ENGL 102 - Rhetoric and Composition
- b. **ARP** (7-8 hours) –*must be passed with a grade of C or higher*
  - i. CSCE 145 - Algorithmic Design I
  - ii. MATH 122 - Calculus for Business Administration and Social Sciences *or* MATH 141 - Calculus I
- c. **SCI** (8 hours): any two approved CC-SCI courses, must include two labs
- d. **GFL** (0-6 hours): Students in the College of Engineering and Computing are required to demonstrate proficiency in one foreign language equivalent to the 121 course by 1) a score of two or better on the foreign language placement test; or 2) completion of the 109 and 110 courses in FREN, GERM, LATN, or SPAN or completion of the 121 course in another foreign language.
- e. **GHS** (3 hours): any approved CC-GHS course
- f. **GSS** (3 hours): any approved CC-GSS course
- g. **AIU** (3 hours): any approved CC-AIU course

**Carolina Core Stand Alone or Overlay Eligible Requirements:**

Up to two of these requirements may be met in overlay courses. At least one of these requirements must be satisfied by a course not applied elsewhere in general education. (3-9 Hours)

- h. **CMS** (3 hours)
  - i. SPCH 140 - Public Communication
- i. **INF** (0-3 hours): any approved overlay or stand-alone CC-INF course
- j. **VSR** (1 hour)
  - i. CSCE 390 - Professional Issues in Computer Science and Engineering –*must be passed with a grade of C or higher*

2. **College Requirements:** No college-required courses for this program.

3. **Program Requirements (60 hours)**

- a. **Minor in Business Information Management** (24 hours)
  - i. ECON 224 - Introduction to Economics
  - ii. ACCT 222 - Introduction to Accounting
  - iii. MGMT 371 - Principles of Management
  - iv. MGSC 390 - Business Information Systems
  - v. MGSC 490 - Information Systems Analysis and Design
  - vi. MGSC 590 - E-Commerce Concepts and Research Topics
  - vii. Electives (6 hours) Choose any two of the following courses.
    1. ACCT 324 - Survey of Commercial Law
    2. ECON 311 - Issues in Economics
    3. ECON 379 - Government Policy Toward Business
    4. FINA 333 - Finance and Markets
    5. IBUS 301 - Introduction to International Business
    6. MGMT 472 - Entrepreneurship and Small Business
    7. MKTG 350 - Principles of Marketing
    8. MKTG 351 - Consumer Behavior
    9. MGSC 392 - Quantitative Analysis for Business Decision Making

10. MGSC 395 - Operations Management

11. MGSC 594 - Strategic Management of Information Systems

b. **Supporting Courses** (36 hours)

i. ENGL 462 - Technical Writing *or* ENGL 463 - Business Writing

ii. MATH 174 - Discrete Mathematics for Computer Science *or* MATH 374 - Discrete Structures –*must be passed with a grade of C or higher*

iii. STAT 509 - Statistics for Engineers *or* STAT 515 - Statistical Methods I

iv. STAT 516 - Statistical Methods II

v. **Liberal Arts Electives** (9 hours):

1. AERO 401, 402

2. AFAM 201-580

3. ANTH 100-499

4. ARMY 401, 402

5. ARTE 101, 260

6. ARTH 105-366

7. ARTS 103-261

8. CHIN 103-550

9. CLAS 220-598

10. CPLT 150-597

11. CRJU 100-494

12. DANC 101-381

13. ECON 101-499

14. ENGL 270-499

15. FAMS 180-597

16. FREN 109-615

17. GEOG 103-595

18. GERM 109-615

19. HIST 101-692

20. ITAL 101-615

21. JAPA 121-500

22. LASP 201-451

23. LATN 109-615

24. LING 300-600

25. MART 110-341

26. MUSC 110-140

27. NAVY 401, 402

28. PHIL 101-109, 112-598

29. POLI 100-499

30. PORT 121-615

31. PSYC 100-499

32. RELG 101-552

33. RUSS 121-616

34. SOCY 100-499

35. SOST 101-500

36. SPAN 109-615

37. THEA 170-565

38. WGST 111-555

vi. **Lower Division Computing** (15 hours) –*must be passed with a grade of C or higher*

1. CSCE 146 - Algorithmic Design II

2. CSCE 190 - Computing in the Modern World

3. CSCE 201 - Introduction to Computer Security

4. CSCE 210 - Computer Hardware Foundations

5. CSCE 215 - UNIX/Linux Fundamentals

6. CSCE 240 - Advanced Programming Techniques

4. **Major Requirements (27 hours)** –*must be passed with a grade of C or higher*
  - a. **Major Courses** (24 hours)
    - i. CSCE 205 - Business Applications Programming
    - ii. CSCE 311 - Operating Systems
    - iii. CSCE 350 - Data Structures and Algorithms
    - iv. CSCE 416 - Introduction to Computer Networks
    - v. CSCE 490 - Capstone Computing Project I
    - vi. CSCE 492 - Capstone Computing Project II
    - vii. CSCE 520 - Database System Design
    - viii. CSCE 522 - Information Security Principles
  - b. **Major Elective** (3 hours): Choose from CSCE 317 or other approved CSCE courses numbered 500 and higher. A list of acceptable courses is also maintained in the department office and on its website.

### **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, MGSC 390, MGSC 490, and MGSC 590.

### **Exclusions**

No Lower Division Computing or Computer Information Systems Major course may be counted toward a minor. All other degree-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.