



## 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): ENGL 102 *or* 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: None required by the College of Engineering and Computing

#### 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): A list of acceptable Liberal Arts Elective courses is maintained in the department office and on its website.
- 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 - Introduction to Software Engineering

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.

### Major GPA

Major 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 Major 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.