

CORE REQUIREMENTS

Competencies

9 Basic College Mathematics
9 Reading Comprehension
9 Computer Literacy

| | | | |
|----------|---------------------|---|-------|
| ENG 101 | Composition I | 3 | _____ |
| ENG 102 | Composition II | 3 | _____ |
| SPC 101A | Public Speaking | 3 | _____ |
| SFL 194 | Health and Wellness | 3 | _____ |
| SFL ____ | (Activity) _____ | 1 | _____ |
| SFL ____ | (Activity) _____ | 1 | _____ |

Distribution Sequences (20 credits)

| | | | | |
|----------|---------------------------------|------------------|-------|-------|
| ## ____ | ____ | (Lab Science I) | 4 | _____ |
| ## ____ | ____ | (Lab Science II) | 4 | _____ |
| HIS 101 | History of World Civilization I | 3 | _____ | |
| HIS ____ | (History II) | 3 | _____ | |
| ____ | (Literature I) | 3 | _____ | |
| ____ | (Literature II) | 3 | _____ | |

Distribution Electives (18 credits)

Among the distribution electives, the student must earn at least 3 but no more than 9 additional semester hours in each of the three divisions.

Humanities (Division I)

____ _ _____ _ _ _
____ _ _____ _ _ _
____ _ _____ _ _ _

Science/Mathematics (Division II)

____ _ _____ _ _ _
____ _ _____ _ _ _
____ _ _____ _ _ _

Social Sciences (Division III)

____ _ _____ _ _ _
____ _ _____ _ _ _
____ _ _____ _ _ _

(Note: Courses allowable as distribution electives are marked DI, DII or DIII in the College Catalog.)

Quantitative: Diversity: Writing:

Free Electives (minimum 3 credits)

____ _ _____ _ _ _
____ _ _____ _ _ _
____ _ _____ _ _ _

COURSES IN THE MAJOR (47 credits total)

Required Courses (33 credits):

| | | | |
|----------|--|---|-------|
| CSC 200A | Survey of Computer Science I | 3 | _____ |
| CSC 201J | Software Design & Programming I | 4 | _____ |
| CSC 202J | Software Design & Programming II | 4 | _____ |
| CSC 215 | Survey of Computer Science II | 4 | _____ |
| CSC 260 | Data Structures & Algorithms | 4 | _____ |
| CSC 280 | Operating System Principles | 3 | _____ |
| CSC 300 | Software Engineering I | 4 | _____ |
| CSC 295 | Computer Architecture and Organization | 3 | _____ |
| CSC 498 | Project Specification & Design Practicum | 1 | _____ |
| CSC 500 | Directed Study in Computer Science I | 3 | _____ |

NOTE: At least one of the Option courses or one of the Computer Electives below must be chosen from the following list of courses using a programming language other than the one used in the CSC201J-202J-260 sequence: CSC 245A, CSC 271, CSC 273, CSC 311, CSC 312A.

Option: _____ (min. 7 credits)
(fill in option name and courses from list below)

| | | | |
|----------|-------|-------|-------|
| CSC ____ | _____ | _____ | _____ |
| CSC ____ | _____ | _____ | _____ |

Information Systems Option: CSC 263, CSC 320
Computation Theory Option: CSC 290, CSC 415
Parallel Computing Option: CSC 245A, CSC 445
Object Oriented Methods Option: CSC 311, CSC 312A
Computer Systems Option: two of CSC 271, CSC 315A, CSC 390
Embedded Systems Option: CSC 230, CSC 330A
Computer Networking Option: CSC 315A, CSC 475
Software Engineering Option: CSC 263, CSC 301

Computer Electives (min. 7 credits)
(Two CSC courses numbered above 200, with at least one numbered 290 or above.)

| | | | |
|----------|-------|-------|-------|
| CSC ____ | _____ | _____ | _____ |
| CSC ____ | _____ | _____ | _____ |

Support Courses (26 credits)

| | | | | |
|----------|------------------------|--------------------------------------|---|-------|
| ____ | ____ | [science course chosen from list***] | 4 | _____ |
| PHS 205 | Digital Circuit Design | | 4 | _____ |
| MAT 220 | Calculus I | | 4 | _____ |
| MAT 221 | Calculus II | | 4 | _____ |
| MAT 214A | Discrete Structures | | 4 | _____ |
| MAT 247 | Statistics I | | 3 | _____ |
| MAT ____ | _____ | | 3 | _____ |

(MAT 304A, 308, 316, or 323)

@ Requirements so marked must be completed within the first 53 credits of study (i.e., before Junior status). Exceptions will be made for transfer students.
A laboratory science sequence chosen from the following list is a **required** support ingredient for the Computer and Information Studies major: BIO 131-132, CHE 130-131, CHE 130 & 212, PHS 211A-212A, PHS 221-222, GLS 100 & 201. The chosen sequence may also be used to satisfy the Division II laboratory science sequence requirement.
*** This science support course is in addition to the lab science sequence and must be chosen from the following list: BIO 131, CHE 130, CHE 212, GGR 101P, GLS 100, GLS 201, PHS 211A, PHS 221. The chosen course may also be used as a Division II distribution elective.

Note: If a course is used to satisfy two or more requirements (for example, a support course and a distribution elective), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.