

CORE REQUIREMENTS

Competency-Based Skills

- @ 9 Basic College Mathematics
- @ 9 Reading Comprehension
- @ 9 Computer Literacy

Basic Core Courses (12 credits)

- @ ENG 101 Composition I 3 _____
- @ ENG 102 Composition II 3 _____
- @ SPC 101 (Speech) 3 _____
- @ SFL 194 Health and Wellness 3 _____

Physical Education Activities (1 credit total)

- @ SFL _____ 1 _____
- @ SFL _____ 1 _____

Distribution Sequences (20 credits)

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

____ _____ 3 _____
 ____ _____ 3 _____
 ____ _____ 3 _____

Science/Mathematics (Division II)

____ _____ 3 _____
 ____ _____ 3 _____
 ____ _____ 3 _____

Social Sciences (Division III)

____ _____ 3 _____
 ____ _____ 3 _____
 ____ _____ 3 _____

(Note: Courses allowable as distribution electives are marked "D" in the College Catalog or indicated by appropriate footnotes.

FREE ELECTIVES
(minimum 3 credits)

____ _____ 3 _____
 ____ _____ 3 _____
 ____ _____ 3 _____

COURSES IN THE MAJOR (47 credits total)

Required Courses (33 credits):

CSC 200	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 266	Software Engineering	4 _____
CSC 280	Operating System Principles	3 _____
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)
(see list and Note 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 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 _____

Note: The unspecified Mathematics course must be chosen from MAT 304A, 308, 316, or 323. With one additional 300-level Mathematics course, the requirements for a Mathematics Minor would be satisfied. Students choosing such a Minor must declare it by filing an appropriate form with the Registrar's Office.

@ 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.

