

**BACHELOR OF SCIENCE  
COMPUTER AND INFORMATION STUDIES**

**effective Fall 2003**

**CORE REQUIREMENTS**

**Competency-Based Skills**

@	9	Basic College Mathematics	
@	9	Reading Comprehension	
@	9	Computer Literacy	
@	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	_____	_____
@	SFL	_____	_____

**Distribution Sequences (20 credits)**

_____	_____	(Literature I)	3 ____
_____	_____	(Literature II)	3 ____
_____	_____	(Lab Science I)	3-4 ____
_____	_____	(Lab Science II)	3-4 ____
@	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)**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Science/Mathematics (Division II)**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**Social Sciences (Division III)**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

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

**COURSES IN THE MAJOR (49 credits)**

**Required Courses:**

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 _____	(CSC 245A, 273, 311 or 312A)	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 ____

**Option:** \_\_\_\_\_ (see 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**

(Two CSC courses numbered above 200, with at least one numbered 290 or above.)

CSC _____	_____	_____
CSC _____	_____	_____

**SUPPORT COURSES (24 credits)**

PHL 325	Symbolic Logic	3 ____
MAT 220	Calculus I	4 ____
MAT 221	Calculus II	4 ____
MAT 214	Discrete Structures	3 ____
MAT 247	Statistics I	3 ____
MAT _____	_____	3 ____
PHS 205	Digital Circuit Design	4 ____

**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 Academic Affairs Office.

**FREE ELECTIVES (Minimum: 4 credits)**

_____	_____	_____
_____	_____	_____
_____	_____	_____

@ 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.

**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.

Total credits for graduation: 127

Effective: 9/03