

**BACHELOR OF SCIENCE
COMPUTER AND INFORMATION STUDIES**

COURSES IN MAJOR (45-49 credits)

GENERAL EDUCATION CORE REQUIREMENTS

Competencies			
<input type="checkbox"/>	Basic College Math		
<input type="checkbox"/>	Reading Comprehension		
<input type="checkbox"/>	Computer Literacy		
ENG 101	Composition I	3	_____
ENG 102	Composition II	3	_____
SPC 101	(Public Speaking)	3	_____
SFL ____	(Health)	3	_____
SFL ____	(Activity)	.5	_____
SFL ____	(Activity)	.5	_____
Distribution Sequences (18-20 Credits)			
‡ ____	(Lab Science I)	3-4	_____
‡ ____	(Lab Science II)	3-4	_____
HIS 101	History of World Civilization I	3	_____
HIS 102	History of World Civilization II	3	_____
____	(Literature I)	3	_____
____	(Literature II)	3	_____
Distribution Electives (15 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)			
*MAT 220	Calculus I	4	_____
*MAT 221	Calculus II	4	_____
____	_____	_____	_____
Social Sciences (Division III)			
____	_____	_____	_____
____	_____	_____	_____
____	_____	_____	_____
(Note: Courses allowable as distribution electives are marked DI, DII or DIII in the College Catalog)			
QUANTITATIVE (Q) _____ DIVERSITY (V) _____ WRITING (W) _____			

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

**Required Option Sequence
(typically taken junior or early senior year)**

†CSC ____	_____	_____	_____
CSC ____	_____	_____	_____
	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	

**SUPPORT COURSES (34 credits total)
(credits include Lab Science Seq and courses listed in DIV II)**

PHS 205	Digital Circuit Design	4	_____
MAT 214A	Discrete Structures	4	_____
MAT 247	Statistics	3	_____
MAT ____	Math Support Course	3	_____
	(choose from MAT 304A, 308, 316, or 323)		
____	Science Support Course	4	_____
	(choose from BIO 131, CHE 130, CHE 212, GGR 101P, GLS 100, GLS 201, PHS 211A, PHS 221)		

**FREE ELECTIVES
(11 credits total IF required Support courses are used as
Distribution Sequence and Electives as suggested)**

____	_____	_____	_____
____	_____	_____	_____
____	_____	_____	_____
____	_____	_____	_____

COMPUTER SCIENCE MINOR:

CSC 200A, CSC 201J, CSC 202J, CSC 260, plus one additional CSC elective, either 245A or numbered above 260

- * These are **required** support courses which may also be used to satisfy the indicated Distribution requirements. A student may choose to fulfill Distribution requirements with courses other than the ones listed, but these listed courses must still be taken.
 - ‡ 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.
 - ¶ At least one CSC elective must be numbered 290 or above.
 - † At least one CSC elective **or** one Option course must be chosen from the following list of courses using a programming language other than the one used in the CSC 201J/CSC 202J sequence: CSC 245A, CSC 271, CSC 273, CSC 311, CSC 312A
- 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.

LEVEL I TO BE COMPLETED WITHIN THE FIRST 30 CREDITS
 LEVEL II TO BE COMPLETED IN THE FIRST 53 CREDITS
 LEVEL III TO BE COMPLETED BEFORE GRADUATION

Exceptions in the timing of courses will be made for transfer students.

Effective 9/2007

Total credits for graduation: 120