

Advisor: _____

Name: _____

Date admitted into Major: _____

Transfer credits: _____

**BACHELOR OF SCIENCE
COMPUTER AND INFORMATION STUDIES**

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 _____
SMS	_____	(Health)	3 _____
SMS	_____	(Activity)	.5 _____
SMS	_____	(Activity)	.5 _____
Distribution Sequences (20 credits)			
‡	_____	(Lab Science I)	4 _____
‡	_____	(Lab Science II)	4 _____
HIS	101	World History I	3 _____
HIS	102	World History 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)	_____

COURSES IN MAJOR (45-49 credits total)

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	295	Computer Architecture & Organization	3	_____
CSC	300	Software Engineering I	4	_____
CSC	498	Project Specification & 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	
		Objects 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 Options	CSC 263, CSC301	

SUPPORT COURSES (18 credits total)

MAT	214A	Discrete Structures	4	_____
MAT	247	Statistics I	3	_____
MAT	304A, 308, 316, or 323	_____	3	_____
PHS	205	Digital Circuit Design	4	_____
+	_____	(Science course chosen from list)	4	_____

FREE ELECTIVES (5 credit minimum)

May be necessary to take additional credits to attain the minimum 120 credits required for graduation.

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

- * 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.
- 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 total credits required for graduation.
- ‡ 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 support science course is in addition to the lab science sequence and must be chosen from the following list: BIO 131, CHE 130, CHE 212, GPH 101P, GLS 100, GLS 201, PHS 211A, PHS 221. The chosen course may also be used as a Division II distribution elective.
- ♦ At least one CSC elective must be numbered 290 or above.
- † At least one of the Option courses or one of the CSC electives **MUST** be chosen from the following list of courses using a programming language other than the one used in the CSC 201J-202J sequence: CSC 245A, CSC 271, CSC 273, CSC 311, CSC 312A.

LEVEL I TO BE COMPLETED IN 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.

Total minimum credits for graduation: 120

Effective:9/09

Salem State College