Advisor: _____

Name: _____
Date admitted into Major: _____
Transfer credits: _____

BACHELOR OF SCIENCE
COMPUTER SCIENCE

GENERAL EDUCATION CORE REQUIREMENTS

Competencies

- ❑ Basic College Math
- ❑ Reading Comprehension
- ❑ 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)	3-4	_____
‡	____	____	(Lab Science II)	3-4	_____
	HST	101	World History I	3	_____
	HST	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
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 (18 credits total)

	PHS	205	Digital Circuit Design	4	_____
	MAT	214A	Discrete Structures	4	_____
	MAT	247	Statistics I	3	_____
	MAT	____	Math Support Course	3	_____

(Choose one MAT course with MAT 220 or MAT 221 as a prerequisite, or another MAT course with permission of the Computer Science Chairperson)

+	____	____	Science course chosen from list	4	_____

FREE ELECTIVES (3 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 Science major: BIO 131-132, CHE 130-131, CHE 130 & 212, PHS 211A-212A, PHS 221-222, GLS 100 & 201

\+ 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, 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 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-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:9/10

Salem State College