

# COMPUTER SCIENCE MAJOR

## CONCENTRATION IN SOFTWARE ENGINEERING (CSS)

**GENERAL EDUCATION (12 Courses Required):** Twelve courses are designated as General Education courses, which must be taken in a department other than the major department. Only courses designated (Gen.Ed.) after the course title will meet General Education requirements. Please refer to the Catalog for complete information.

<u>COURSE #</u>	<u>TITLE</u>	<u>GOAL(S) MET</u>
43.117	Introduction to Statistics	2
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**General Education Goals (Check off as Completed):**

- |                                |                                      |
|--------------------------------|--------------------------------------|
| 1 _____ Writing                | 8 _____ Historical Studies           |
| 2 _____ Quantitative           | 9 _____ Social/Behavioral Sciences   |
| 3 _____ Language               | 10 _____ Forces in the United States |
| 4 _____ Literature/Philosophy  | 11 _____ Non-Western Studies         |
| 5 _____ Visual/Performing Arts | 12 _____ Gender, Race and Class      |
| 6 _____ Physical Science       | _____ Laboratory Science             |
| 7 _____ Life Science           | _____ Study of the Constitutions     |

**MAJOR AND RELATED COURSES (18):**

<u>COURSE #</u>	<u>COURSE TITLE</u>
63.152	Computer Science I using Java
63.252	Computer Science II using Java
63.258	Introduction to Operating Systems using UNIX
63.266	Digital Logic, Organization & Assembly Language
63.271	Data Structures
63.347	Analysis of Algorithms
63.355	Computer Architecture
63.362	Software Engineering
63.460	Theory of Computing
63.465	Operating Systems Internals
63.477	Computer Networking
*	1 <sup>st</sup> semester of science sequence
*	2 <sup>nd</sup> semester of science sequence

\*may fulfill Gen. Ed. Goal 6 and lab (see Catalog for list)

Two (2) restricted Computer Science electives (see catalog):

_____	_____
_____	_____

Required Mathematics courses:

43.219	Calculus I
43.220	Calculus II
43.292	Discrete Mathematics I

TWO (2) FREE ELECTIVE:

_____	_____
_____	_____