

# COMPUTER SCIENCE MAJOR

## Computer Science Concentration with Cooperative Experience – UCSC)

### DOMAIN GENERAL EDUCATION (10 Courses Required):

Domain II A is satisfied through completion of the Computer Science major, leaving ten courses to be completed to satisfy the remaining General Education subdomains through courses taken outside the major department. Only courses designated (Gen. Ed. Domain) after the course title will meet General Education requirements. Please refer to the catalog for full information.

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>SUBDOMAINS</u>
<u>STAT 117</u>	<u>Introduction to Statistics</u>	<u>MET</u>
<u>SCI LAB</u>	<u>Must be a lab course open to science majors</u>	<u>CCM</u>
_____	_____	<u>2B</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Domain General Education Subdomains  
(check off as completed)**

<b>Common Core:</b>	A. ENWR 110 Composition 2	_____
	B. MATH XXX (credit-bearing)	_____
<b>Domain I:</b>	A. Creative Arts	_____
	B. Humanities	_____
	C. Language	_____
<b>Domain II:</b>	A. Analysis, Modeling, Problem-Solving	<u>X</u>
	B. Sciences (two; one must be a lab science)	_____
<b>Domain III:</b>	A. Perspectives on the Past	_____
	B. Perspectives on Contemp. World	_____
	\C. Global Comp., Eth. Reas., Hum Div.	_____

X = Fulfilled through major

### MAJOR AND RELATED COURSES (21):

<u>COURSE #</u>	<u>COURSE TITLE</u>
<u>CSCI 120</u>	<u>Introduction to Information Technology</u>
<u>CSCI 130</u>	<u>Computer Science I Using Java</u>
<u>CSCI 200</u>	<u>Pre-Coop Seminar (0.5)</u>
<u>CSCI 215</u>	<u>Computer Science II Using Java</u>
<u>CSCI 258</u>	<u>Introduction to Operating Systems Using UNIX</u>
<u>CSCI 271</u>	<u>Data Structures</u>
<u>CSCI 317</u>	<u>Discrete Structures*</u>
<u>CSCI 347</u>	<u>Analysis of Algorithms</u>
<u>CSCI 352</u>	<u>Computer Architecture &amp; Assembly Language</u>
<u>CSCI 360</u>	<u>Database Management</u>
<u>CSCI 362</u>	<u>Software Engineering</u>
<u>CSCI 460</u>	<u>Theory of Computing</u>
<u>CSCI 465</u>	<u>Operating Systems Internals</u>
<u>CSCI 477</u>	<u>Computer Networking</u>

\*May be substituted by MATH 330

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

<u>CSCI</u>	_____
<u>CSCI</u>	_____

Mathematics & Science Requirement (3 courses, some of which satisfy General Education requirements):

<u>MATH 206</u>	<u>Discrete Math I or MATH 215 Finite Math</u>
-----------------	--

(see gen ed section in left column for remaining 2 of 3 courses):

TWO ADDITIONAL COURSES (2):

<u>CSCI 310</u>	<u>Cooperative Experience (3 course credits)</u>
<u>CSCI 410</u>	<u>Cooperative Experience II (3 course credits)</u>

One (1) free elective: \_\_\_\_\_