



# COMPUTER SCIENCE

## Associate of Science Degree ( Code #1203) Revised for 2011-2012

### REQUIREMENTS FOR THE MAJOR:

COURSE NO.	TITLE	UNITS
<b>Group 1: Must complete all 7 courses</b>		
CMPSCI 111	Intro to Algorithms & Programming: Java	3
CMPSCI 111L	Intro to Algorithms & Programming: Java—Lab	1
CMPSCI 122	Computer Architecture & Assembly Language	3
CMPSCI 182	Data Structures & Program Design	3
CMPSCI 182L	Data Structures & Program Design Lab	1
CMPSCI 235	Programming in C	3
CMPSCI 282	Advanced Data Structures	3
<b>Group 2: Must complete 6 units from the following: (Philosophy 230 is recommended for transfer majors)</b>		
COMPSCI 132	Introduction to Programming	3
COMPSCI 190	Web Programming: JavaScript	3
COMPSCI 192	PHP Programming	3
COMPSCI 222 or COMPSCI 236	Computer Organization or Object Oriented Programming in C++	3
PHILOS 230	Symbolic Logic <i>(recommended for transfer majors)</i>	3
<b>Group 3: Must complete Calculus course</b>		
MATH 211	Calculus I	5
<b>Group 4: Must complete Option A or Option B</b>		
<b>Option A</b> Students who are <b>NOT</b> going to transfer to be a Computer Science major at a university complete 8 units of additional Computer Science courses		8
<b>Option B</b> Students who will transfer to University to major in Computer Science at a university <b>MUST</b> take MATH 212 and 214		8
<b>Total Units for Major:</b>		<b>36</b>

### PLUS:

- ◆ a minimum of 60 semester units (a minimum of 12 units completed at College of the Canyons)
- ◆ completion of Associate Degree GE, Diversity, American Institutions and PE/Wellness requirements
- ◆ a minimum 2.0 grade point average (C average) or better in associate degree applicable units and be in good standing at College of the Canyons (all courses required for the major must be completed with a C grade or better).