



# MATHEMATICS

## Associate of Science-Transfer (AS-T) Degree

**(Code#5200 CSU GE)**

**(Code#5210 CSU/IGETC)**

**2011-2012**

The Associate in Science degree in Mathematics for transfer to The California State University System will prepare students for future academic study at a CSU institution.

### REQUIREMENTS FOR THE MAJOR:

COURSE NO.	TITLE	UNITS
Math 211	Calculus I	5
Math 212	Calculus II	5
Math 213	Calculus III	5
<b>REQUIRED ELECTIVES:</b>		
<b>Plus 3 units from the following:</b>		
Math 214	Linear Algebra	3
Math 215	Differential Equations	3
<b>Complete (3units) from the following that have not already been selected from the courses listed 3 above:</b>		
COMPSCI 235	'C' Programming	3
COMPSCI 236	C++Object Oriented Programming	3
Math 140	Introductory Statistics	4
<b>OR</b>		
Math 140H	Introductory Statistics Honors	4
Math 214	Linear Algebra	3
Math 215	Differential Equations	3
COMPSCI 111	Introduction to Algorithms and Programming	3
COMPSCI 111L	Introduction to Algorithms and Programming Lab	1
Total Units for Major		18-21

#### PLUS:

- ◆ a minimum of 60 CSU semester units (a minimum of 12 units completed at College of the Canyons)
- ◆ students must also complete either the CSUGE or CSU-IGETC certification
- ◆ 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).
- ◆ NOTE: Students are NOT required to complete COC local degree requirements in Diversity, American Institutions and PE/Wellness. However it is recommended that students complete the American Institutions courses as part of either CSUGE or CSU-IGETC certification as CSU requires these for the Bachelors Degree.