

## PROGRAM OF STUDY

### Mathematics Associate in Science for Transfer (AS-T)

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an "associate degree for transfer", a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
  - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
  - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

Associate Degrees for Transfer also require that students must earn a C or better in all courses required for the major or area of emphasis.

This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Mathematics. Additional majors are being developed. Please see a counselor or visit <http://www.canyons.edu> for more information.

#### **Student Learning Outcome:**

Students will be prepared for the mathematical reasoning required in upper division work in their major, including the ability to generalize concepts and comprehend increasing levels of abstraction.  
Students will demonstrate mathematical literacy, problem solving ability, and modeling ability.

#### **Program Requirements:**

##### **Twelve to fifteen units from the following:**

		<b>Units</b>
MATH 211	Calculus I	5 - 0
MATH 212	Calculus II	5 - 0
MATH 213	Calculus III	5 - 0

##### **Plus three units from the following:**

		<b>Units</b>
MATH 214	Linear Algebra	3 - 0
MATH 215	Differential Equations	3 - 0

##### **Plus three units from the following that have not already been selected from the courses listed above:**

		<b>Units</b>
CMPSCI 235	'C' Programming	3 - 0
CMPSCI 236	C++ Object Oriented Programming	3 - 0
MATH 140	Introductory Statistics	4 - 0
	<b>or</b>	
MATH 140H	Introductory Statistics - Honors	4 - 0
MATH 214	Linear Algebra	3 - 0
MATH 215	Differential Equations	3 - 0
CMPSCI 111	Introduction to Algorithms & Programming/Java	3 - 0
	<b>or</b>	
CMPSCI 111L	Introduction to Algorithms and Programming Lab	1 - 0

Major Codes: 5200.MATH.AS-T or 5210.MATH-CSUI.AS-T

**Total Units**

**18 - 21**

PID 97