Associate in Science for Transfer Degree: Mathematics

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. 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.

Degree Student Learning Outcome:

Students will be able to:
-Prepare for the mathematical reasoning required in upper division work in their major, including the ability to generalize concepts and comprehend increasing levels of abstraction.

-Demonstrate mathematical literacy, problem solving ability, and modeling ability.

Program Requirements:

Units required: 22-24

		Units:
MATH-211	Calculus I	5.0
MATH-212	Calculus II	5.0
MATH-213	Calculus III	5.0

Plus four units from the following:

MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0

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

CMPSCI-235	C Programming	3.0
CMPSCI-236	C++ Object Oriented Programming	3.0
MATH-140	Introductory Statistics	4.0

OR

MATH-140H	Introductory Statistics - Honors	4.0
	OR	
MATH-140X	Statistics with Support	5.0
MATH-214	Linear Algebra	4.0
MATH-215	Differential Equations	4.0
CMPSCI-111	Introduction to Algorithms and Programming/Java	3.0
	OR	
CMPSCI-111L	Introduction to Algorithms and Programming Lab	1.0