MATHEMATICS - ASSOCIATE IN SCIENCE FOR TRANSFER

The Associate in Science in Mathematics for Transfer (AS-T) degree will prepare students with the strong foundation necessary for pursing studies at the university level in various majors such as mathematics, statistics, engineering, physics, chemistry, computer science, economics and business. A grade of "C" or better is required in all coursework completed for the major.

The AS-T in Mathematics is intended for students who plan to complete a baccalaureate degree in Mathematics or a related field of study at a California State University (CSU). Students who complete this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that accepts the AS-T will be required to complete no more than 60 semester units after transfer to earn a baccalaureate degree.

To be awarded the Associate in Arts in Mathematics for Transfer degree, students must:

(1) Complete 60 semester units or 90 quarter units which are eligible for transfer to the California State University (CSU) system, 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) Obtain a minimum grade point average of 2.0.

While a minimum of 2.0 is required for admission, some majors may require a higher GPA. Please consult with a counselor for more information.

Program Learning Outcomes

- Demonstrate the ability to use symbolic, graphical, numerical, and written representations of mathematical ideas.
- Use mathematical reasoning to develop mathematical models to solve real life applications.
- Use appropriate technology to enhance their mathematical thinking, solve mathematical problems, and judge the reasonableness of their results.

A.S.-T Major Requirements

Course	Title	Credits
MATH 071	Calculus I With Analytic Geometry [1]	5
MATH 072	Calculus II with Analytic Geometry	5
MATH 073	Multivariable Calculus	5
Select one of the following:		3-4
MATH 078	Differential Equations	
MATH 079	Linear Algebra	
Select one of the following:		3-5
Any course from above not already taken		
CIS 054	C/C++ Programming	
or CIS 084	Java Programming	
MATH 063	Elementary Statistics	
MATH 070	Discrete Mathematics	
MATH 078	Differential Equations	
MATH 079	Linear Algebra	
PHYS 004A	General Physics	
Total Units		**21-24**

A.S.-T Degree Requirements

Course	Title	Credits
Major Requirements		21-24
CSU GE or IGETC for CSU		37 - 39
Transferable Electives		2-6
Total Units		**60**