PROGRAM OF STUDY

Associate in Science in Mathematics for Transfer Degree AS-T Degree

Merritt College

TOP Code: 1701.00
Program Control Number: 32928
State Approval Date: 10/10/2014
Board of Trustees Date: 11/18/2014
Curriculum Committee Approval Date: 10/23/2014
Current Effective Date: 08/01/2015

The Associate in Science in Mathematics for Transfer Degree (AS-T) is designed for students planning to transfer into the mathematics major. Successful completion of the program with a minimum G.P.A. of 2.0 affords students specific guarantees for transfer to the CSU system such as admission to a CSU with junior status, priority admission to their local CSU campus and to a program or major in mathematics or similar major. Students interested in the AS-T for transfer degree in mathematics should consult with the departmental faculty chair. The AS-T degree will be awarded upon completion of the major course requirements listed below and the General Education requirements for the Associate in Science Degree listed in the Degrees, Programs & Transfer Requirements section of this Catalog. Complete the Degree Major Requirements and/or courses from Groups A and B below to complete preparation for the major. Also complete 37-40 General Education units from either the California State University General Education-Breadth Requirements (CSU-GE) or the Intersegmental General Education Transfer Curriculum (IGETC) and electives to total 60 units for the degree.

Career Opportunities in

In the modern world, there are many fields that need specialists in mathematics. Careers in mathematics include: scientists, researchers, programmers and other specialists in information systems, mathematics teachers, actuaries and insurance specialists, and people who can combine mathematical knowledge with a scientific, technological, or business background.

Degree Major Requirements		**Units**
MATH 003A	Calculus I	5
MATH 003B	Calculus II	5
MATH 003C	Calculus III	5

Group A: **Choose at least 1 course from this group (if you choose Math 3D or Math 3E and Math 3F, then Group B is optional):**		**Units**
MATH 003D	Linear Algebra and Differential Equations	5
	or	
MATH 003E	Linear Algebra	3
	or	
MATH 003F	Differential Equations	3

Group B: **Choose one course from this group if necessary to complete 20-23 units for the major:**		**Units**
MATH 013	Introduction to Statistics	4
	or	
PHYS 004A	General Physics with Calculus	5
Degree Major Requirements Unit Total:		20 - 23

Other Requirements:	**Units**
General Education IGETC or CSU-GE Breadth and Electives	37 - 40

Total Units	60