SANTA MONICA COLLEGE
PROGRAM OF STUDY

Mathematics
Associate in Science for Transfer (AS-T)

(effective Not Specified, Not Specified)

Upon successful completion of the Santa Monica College's AS-T in Mathematics, the student will have a strong academic foundation in the field and be prepared for upper division baccalaureate study. This coursework will satisfy most of the lower-division Mathematics requirements at many institutions at both the University of California and the California State University systems. This degree is intended for students who are interested in the theory of Mathematics and are planning to transfer to a four-year university and majoring in Mathematics, Physics, Engineering, or Computer Science.

This Associate degree for Transfer involves satisfactory completion of a minimum of 60 CSU-transferable semester units with an overall average grade of C or higher including the semester units of the area of emphasis (articulated below) and fulfillment of CSU GE, or IGETC. Students transferring to CSU must complete IGETC Area 1C. Each course in the area of emphasis must be completed with a grade of C or higher, or with a P if the course was taken on a Pass/No Pass basis, and the P is equal to a C or higher (Title 5 §55063). Note: while a minimum GPA of 2.0 (C) is required for admission, some CSU majors/campuses may require a higher GPA. Consult with a counselor for more information. Additional graduation requirements for the Associate degree are available at the Transfer/Counseling Center and online at www.smc.edu/articulation.

Catalog rights dictate that a student may satisfy the requirements of a degree or certificate by completing the general education and area of emphasis requirements in effect at any time of the student's continuous enrollment. Continuous enrollment is defined as enrollment in consecutive Fall and Spring semesters until completion.

Program Learning Outcomes:

Upon completion of the program, students will demonstrate an appreciation and understanding of mathematics in order to develop creative and logical solutions to various abstract and practical problems. Furthermore, given a mathematical situation, the student will be able to critically analyze it, determine an appropriate strategy to address it, and implement the strategy to find the solution.

Area of Emphasis

Required Courses (18 units):		**Units**
MATH 7	Calculus 1	5
MATH 8	Calculus 2	5
MATH 11	Multivariable Calculus	5
MATH 13	Linear Algebra	3

Select at least one course from the following (3 units minimum):		**Units**
MATH 10 *(same as CS 10)*	Discrete Structures	3
MATH 15	Ordinary Differential Equations	3
PHYSCS 8	Calculus-based General Physics 1 with Lab	4
PHYSCS 21	Mechanics With Lab	5

Total Units for Area of Emphasis: 21

PID 214