LOS MEDANOS COLLEGE

Associate in Science in Mathematics for Transfer

Catalog Description.

The Associate in Science in Mathematics for Transfer at Los Medanos College prepares students to transfer into a curriculum at a 4 year institution to pursue a baccalaureate degree in Mathematics. To achieve the degree students must:

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

ADTs also require that students must earn a C or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is not an acceptable grade for courses in the major.

**Program Requirements:**

**Required Core: (12 units)**

MATH-050 Calculus with Analytic Geometry I 4

MATH-060 Calculus with Analytic Geometry II 4

MATH-070 Calculus with Analytic Geometry III 4

**Chose a minimum of 6 units from the lists below, with at least 3 units from List A**

**List A:** (select 1-2 courses 3-6 units)

MATH-080 Differential Equations 3

MATH-075 Linear Algebra 3

**List B:** Select one course (1-4 units)

MATH-160 Discrete Math 4

PHYS-040 Physics for Scientists & Engineers 4

COMSC-044 Intro to C++ Programming Part I 3

Or

ENGIN-020 Programming with C++ 2

for Engineers and Scientists

Or

COMSC-132 Programming and Methodologies II 3

Total Units: 18-19

CSU GE Units 39