



Mathematics for Transfer AS-T

The Associate in Science in Mathematics for Transfer (AS-T) allows for students to begin preparation for careers in quantitative professions such as actuarial science, education, computer programming, systems analysis and operations research analysis. In addition, a strong background in mathematics facilitates employment in fields such as engineering, economics, finance and genetics.

Associate Degree for Transfer requirements (pursuant to SB 1440):

Completion of 60 semester units that are eligible for transfer to a California State University.

The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.

A minimum of 18 semester units in a major or area of emphasis, as determined by the community college district.

Obtainment of a minimum grade point average of 2.0.

A grade of “C” or better in all courses required for the major or area of emphasis.

Program Student Learning Outcomes

Students should be able to produce, analyze and manipulate graphs of a function.

Students should be able to correctly choose and apply a theorem or procedure to produce a result.

Students should be able to solve an equation or a system of linear equations.

Students should be able to use and or apply mathematical solutions to better understand the world around them.

Program Requirements

Required core courses:

Course #	Title	Units
MATH 1A	Introduction to Calculus.....	5
MATH 1B	Calculus with Applications.....	5
MATH 2A	Multivariate Calculus	4

Choose a minimum of 2 courses from below with at least one course from List A and one from List B:

List A

Course #	Title	Units
MATH 2B	Differential Equations.....	4
MATH 3A	Linear Algebra	4

List B

Course #	Title	Units
MATH 2B	Differential Equations.....	4
MATH 3A	Linear Algebra	4
MATH 25	Introduction to Statistics.....	4
PHYSICS 4A	Classical Mechanics	4
Total		22

CSU-GE or IGETC requirements (allowing double counting)..... 34-39

Electives (must be transferable to CSU)..... 0-4

Total **60**