



# Mathematics

**Degree**

Mathematics, Associate of Science for Transfer

## Associate of Science in Mathematics

### Degree for Transfer

The Associate of Science in Mathematics for Transfer is intended for all students who plan to complete an AS in Mathematics. This degree is especially valuable for those students planning on completing a bachelor's degree in Mathematics at a CSU campus because the Associate of Science in Mathematics for Transfer guarantees admission to the CSU system (but not to a particular campus or major).

#### Requirements for the Associate of Science Degree for Transfer:

- The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University – Breadth Requirements.
- A minimum of 18 semester units in a major area of emphasis, as determined by the district.
- The obtainment of a minimum grade point average of 2.0.
- The completion of all courses required for the major with a 'C' or better. A 'P' (Pass) grade is not acceptable for courses in the major.

#### Program Learning Outcomes

Upon successful completion, the student will:

- demonstrate an understanding of functions from multiple perspectives.
- use numerical, graphical, symbolic, and verbal representations to solve problems and communicate with others.
- use technology as a tool for exploring mathematical concepts.
- demonstrate an ability to work with mathematical abstractions, analyze mathematical relationships, make plausible conjectures, and develop proofs.
- synthesize their mathematical knowledge of engineering technology.

#### Total Units: 18

##### Required Courses

Course #	Name	Units
MATH B6A	Analytic Geometry/Calculus I	4.0
MATH B6B	Analytic Geometry/Calculus II	4.0
MATH B6C	Calculus III	4.0
MATH B6D	Ordinary Differential Equations	3.0
MATH B6E	Elementary Linear Algebra	3.0

#### Category

Units in Major	18
CSU GE Breadth	37-39
Possible double counting of GE's	3
Degree Total	60.0