AS-T Mathematics 2.0

The Mathematics 2.0 Transfer Degree provides the foundation for studying engineering, the physical, biological, and health sciences, economics, business, computer science, statistics, and many other fields.

Career Opportunities

Students with degrees in mathematics have a wide variety of career opportunities. Some pursue careers in the teaching of mathematics. Others pursue lucrative positions in fields such as engineering, operations research, computer programming, finance, data analysis, and law.

Program Learning Outcomes

Students completing this program will be able to:

1. Use symbolic, graphical, numerical, and written representations of mathematical ideas.
2. Use mathematical reasoning and a generalized problem solving process to solve real-world problems.

AS-T Degree Requirements: 60 units
Major: Core and Selective Requirements

Complete Core Courses, 21 units		**Units**
MATH C2210	Calculus I: Early Transcendentals	5 units
MATH C2220	Calculus II: Early Transcendentals	5 units
MATH 253	Analytic Geometry and Calculus III	5 units
MATH 270	Linear Algebra	3 units
MATH 275	Ordinary Differential Equations	3 units

List A: Select one course from the following, 3- 4 units		**Units**
CIS 250	Introduction to Object Oriented Programming: C++	3 units
	OR	
CIS 284	Introduction to Object Oriented Programming- Java	3 units
	OR	
CIS 122	Introduction to Programming: Python	3 units
	OR	
PHYS 250	Physics with Calculus I	4 units

Completion of Cal-GETC (California General Education Transfer Curriculum)

Elective courses:

Additional CSU or UC transferable courses needed to meet the minimum 60 CSU transferable unit requirement.

Please refer to Associate Degree for Transfer (ADT) Requirements for more information.