

MATHEMATICS, ASSOCIATE IN SCIENCE DEGREE FOR TRANSFER

Financial Aid Eligible

Banner Code: 3_AST_MATH

Control Number: 32136

Upon successful completion of the Associate in Science in Mathematics for Transfer, the student will have demonstrated a practical and theoretical understanding of mathematics in preparation for transfer to the California State University system. This degree will be useful for students majoring in the STEM (science, technology, engineering and mathematics) fields. It is recommended that students consult a counselor for further information.

Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Select and apply correct quantitative methods to find the correct solution to a problem in familiar or unique situations or contexts.
2. Accurately interpret and create mathematical models such as formulas, graphs, tables, and schematics; include predictions based on the model.
3. Adequately explain thinking and mathematical processes, and justify mathematical solutions effectively and accurately.

Associate Degree for Transfer Requirements

1. Minimum of 60 CSU-transferable semester units. A minimum of 12 units must be in residence at Coastline College.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Completion of a minimum of 18 semester units in an Associate Degree for Transfer major as detailed in the catalog.
4. Certified Completion of the California State University General Education-Breadth pattern (CSU GE Breadth - Coastline's Option 2 General Education pattern), OR the Intersegmental General Education Transfer Curriculum (IGETC - Coastline Option 3 General Education pattern).

Requirements for the Major

Course	Title	Units
Required Core		
MATH C180	Calculus 1	5
MATH C185	Calculus 2	5
MATH C280	Calculus 3	5
Group A		
MATH C285	Introduction to Linear Algebra and Differential Equations	5
Group B		
MATH C160 or PHYS C185	Introduction to Statistics Calculus Based Physics: Mechanics	4

Course	Title	Units
Total Required for the Major		24
CSU General Education or IGETC pattern		37-39
Transfer Electives as needed to reach 60 transferable units		
Total Units		60

Mathematics ADT Program Map

This program map is a recommended example of all major (program) requirements as well as general education requirements for two-year completion or transfer. This path may be altered to fit your individual academic needs. These two-year program maps were created by program faculty and counselors and demonstrate a recommended path to completion. **Students are advised to meet with a Coastline Counselor for individualized program planning.**

Your Path to Success

Follow this path to earn your ADT in Mathematics in 2 years.

Don't forget to consult a counselor for an education plan!

See a graphic of the Mathematics Associate Degree for Transfer roadmap (<https://documents.coastline.edu/Academics/Degrees/Degree%20Roadmaps/ADT%20-%20Mathematics.pdf>).

Course	Title	Units
1st Semester		
MATH C180	Calculus 1	5
ENGL C100	Freshman Composition	4
COUN C105	Strategies for College Success	3
MUS C100	History and Appreciation of Music	3
2nd Semester		
ENGL C102	Critical Reasoning, Reading, and Writing	3
MATH C185	Calculus 2	5
CMST C110	Public Speaking	3
PHYS C185	Calculus Based Physics: Mechanics	4
MRSC C100	Introduction to Marine Science	3
3rd Semester		
PSYC C100	Introduction to Psychology	3
HIST C175	United States History since 1876	3
MATH C280	Calculus 3	5
MATH C160	Introduction to Statistics	4
4th Semester		
PHIL C120	Ethics	3
PSCI C180	American Government	3
MATH C285	Introduction to Linear Algebra and Differential Equations	5
SOC C233	Racial and Ethnic Relations in America	3