Fresno City College

Title: Associate in Science in Mathematics for Transfer - Major #6250

Award Type: Associate of Science (AS-T) Degree for Transfer

Effective Semester: 2025 Fall Semester

Description:

The Associate in Science in Mathematics for Transfer is designed to prepare students for further study in mathematics or in the sciences at the university level. It is also intend to provide students with a solid mathematics background in preparation for graduate level study or research in most majors. The Associate in Science in Mathematics for Transfer is specifically designed for students who plan to complete a bachelor's degree in mathematics at a CSU campus. To earn the Associate in Science in Mathematics for Transfer, students must complete 60 required semester units of CSU-transferable coursework, Cal-GETC requirements and 20-22 semester units within the major. Students must maintain a minimum 2.0 GPA, including grades of C (or 'P') or higher in each course taken to fulfill the major. The local graduation requirements are not required for the transfer degree. Students should consult with a counselor when planning to complete the degree for more information on university admissions and transfer requirements.

[Click here to see Major Requirements without GE courses](#)

Term 1	**Units:** 15.0-17.0
Cal-GETC Area 1A - English Composition	4.0
Cal-GETC Area 3B - Humanities	3.0-5.0
Cal-GETC Area 6 - Ethnic Studies	3.0
MATH 5A Mathematical Analysis I	5.0

See a counselor for placement in MATH. Prerequisites may be required before taking MATH 5A.

Satisfies CalGETC GE area 2

Term 2   **Units:** 13.0-15.0

Cal-GETC Area 1B - Critical Thinking and Composition		3.0
Cal-GETC Area 1C - Oral Communication		3.0
MATH 5B	Mathematical Analysis II	4.0
Major Option: Group A or B		3.0-5.0

Select one of the following:

CSCI 40	Programming Concepts and Methodology I	4.0
MATH 7	Introduction to Differential Equations	4.0
MATH 17	Differential Equations and Linear Algebra	5.0
MATH 26	Elementary Linear Algebra	3.0
MATH 42	Statistics for the Behavioral Sciences	4.0
STAT C1000	Introduction to Statistics	4.0
STAT C1000H	Introduction to Statistics - Honors	4.0
PHYS 4A	Physics for Scientists and Engineers	4.0

Term 3   **Units:** 13.0-15.0

Cal-GETC Area 3A - Arts		3.0
Cal-GETC Area 4 - Social and Behavioral Sciences - Recommend POLS C1000 and/or HIST 11 or 12 for CSU graduation requirement.		3.0
Cal-GETC Area 5A - Physical Sciences - Area 5A or 5B must have a lab component to satisfy this area.		3.0-5.0
MATH 6	Mathematical Analysis III	4.0

Term 4   **Units:** 19.0-16.0

Cal-GETC Area 4 - Social and Behavioral Sciences - Recommend POLS C1000 and/or HIST 11 or 12 for CSU graduation requirement.	3.0
Cal-GETC Area 5B - Biological Sciences - Area 5A or 5B must have a lab component to satisfy this area.	3.0-5.0
Major Course: List A	4.0-8.0
MATH 7 Introduction to Differential Equations	4.0
OR	
MATH 17 - Differential Equations and Linear Algebra and MATH 26 - Elementary Linear Algebra	8.0
MATH 17 Differential Equations and Linear Algebra 5.0	
AND	
MATH 26 Elementary Linear Algebra 3.0	
ELECTIVE (Only if needed to reach 60 transferable units)	9.0-0.0

Total: 60.0-63.0