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Academic Year
2020 - 2021

Associate in Science in Mathematics for Transfer (A.S.-T.)

Physical Sciences, Mathematics and Engineering Division
Bldg. S3, Room S31
408-864-8800

Find your counselor at
deanza.edu/our-counselors

Please visit your counselor to apply for certificates or degrees and for academic planning assistance.

A.A.-T/A.S.-T. Associate Degree for Transfer Requirements

1. Completion of all major courses with a C grade or higher. Major courses may be used to satisfy GE requirements.
2. Completion of either the California State University General Education-Breadth pattern (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern in full; students transferring to CSU using IGETC must complete Area 1C.
3. Completion of a minimum of 90 CSU-transferable quarter units with a minimum overall GPA of 2.0 in all CSU-transferable units.

Note: While a minimum 2.0 GPA is required for admission to CSU, many majors and campuses require a higher GPA. Please consult with a counselor or academic adviser.

Note: A minimum of 18 degree-applicable quarter units must be earned at De Anza College.

Associate in Science in Mathematics for Transfer

A.S.-T. Degree

The role of mathematics is vital and growing, providing solutions to problems in a wide range of sciences – social, biological, physical, behavioral and management. As a whole, mathematics is necessary for understanding and expressing ideas in science, engineering and human affairs. Mathematics is integrally related to computer science and statistics, which have proven invaluable to advancing research and modern industrial technology. The curriculum for the Associate in Science in Mathematics for Transfer academically prepares the student to transfer into the CSU system to complete a baccalaureate degree in a similar major. The Mathematics major consists of courses appropriate for an Associate in Science in Mathematics for Transfer degree, which provides a foundational understanding of the discipline, a breadth of coursework in the discipline and preparation for transfer to any CSU that accepts the Transfer Model Curriculum (TMC). The Associate in Science in Mathematics for Transfer is intended for students who plan to complete a bachelor's degree in Mathematics (or an approved similar major) at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 (semester) units after transfer to earn a bachelor's degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

Program Learning Outcomes: Upon completion, students will be able to

- Be prepared for successful entry into upper division courses in mathematics
- 1. Meet the A.A.-T/A.S.-T. degree requirements for transfer.
- 2. Complete the following.

Required Core:	20
MATH 1A Calculus	5
or MATH 1AH Calculus - HONORS	
MATH 1B Calculus	5
or MATH 1BH Calculus - HONORS	
MATH 1C Calculus	5
or MATH 1CH Calculus - HONORS	
MATH 1D Calculus	5
or MATH 1DH Calculus - HONORS	

List A - Complete two courses:	10
MATH 2A Differential Equations	5
or MATH 2AH Differential Equations - HONORS	
MATH 2B Linear Algebra	5
or MATH 2BH Linear Algebra - HONORS	

Major	<i>Mathematics for Transfer</i>	30
Transfer GE	<i>CSU GE or (IGETC for CSU) (47-61 units)</i>	
Electives	<i>CSU-transferable elective courses required when the major units plus transfer GE units total is less than 90</i>	
Total Units Required		90