

Associate in Science for Transfer Degree: Mathematics

The Student Transfer Achievement Reform Act (Senate Bill 1440, now codified in California Education Code sections 66746-66749) guarantees admission to a California State University (CSU) campus for any community college student who completes an “associate degree for transfer”, a newly established variation of the associate degrees traditionally offered at a California community college. The Associate in Arts for Transfer (AA-T) or the Associate in Science for Transfer (AS-T) is intended for students who plan to complete a bachelor's degree in a similar major at a CSU campus. Students completing these degrees (AA-T or AS-T) are guaranteed admission to the CSU system, but not to a particular campus or major. In order to earn one of these degrees, students must complete:

1. Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following:
 - a. The Intersegmental General Education Transfer Curriculum (IGETC) or the California State University General Education – Breadth Requirements.
 - b. A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district.
2. Obtainment of a minimum grade point average of 2.0.

Associate Degrees for Transfer also require that students must earn a C or better in all courses required for the major or area of emphasis.

This degree may not be the best option for students intending to transfer to a particular CSU campus or to university or college that is not part of the CSU system. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. At the time of catalog publication, a student may earn an AS-T in Mathematics. Additional majors are being developed. Please see a counselor or visit <http://www.canyons.edu> for more information.

Degree Student Learning Outcome:

Students will be able to:

-Prepare for the mathematical reasoning required in upper division work in their major, including the ability to generalize concepts and comprehend increasing levels of abstraction.

-Demonstrate mathematical literacy, problem solving ability, and modeling ability.

Program Requirements:

Units required: 22-24

| | | Units: |
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| MATH-211 | Calculus I | 5.0 |
| MATH-212 | Calculus II | 5.0 |
| MATH-213 | Calculus III | 5.0 |

Plus one course from the following:

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| MATH-214 | Linear Algebra | 4.0 |
| MATH-215 | Differential Equations | 4.0 |

Plus three - five units from the following that have not already been selected from the courses listed above:

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| CMPSCI-235 | C Programming | 3.0 |
| CMPSCI-236 | C++ Object Oriented Programming | 3.0 |
| MATH-140 | Introductory Statistics | 4.0 |

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| OR | | |
| MATH-140H | Introductory Statistics - Honors | 4.0 |
| OR | | |
| MATH-140X | Statistics with Support | 5.0 |
| MATH-214 | Linear Algebra | 4.0 |
| MATH-215 | Differential Equations | 4.0 |
| CMPSCI-111 | Introduction to Algorithms and Programming/Java | 3.0 |
| OR | | |
| CMPSCI-111L | Introduction to Algorithms and Programming Lab | 1.0 |