

## Associate in Science in Mathematics for Transfer (AS-T) Degree

Academic Plan: H032688H

The Associate in Science in Mathematics for Transfer (AS-T) Degree is intended for students planning to transfer into a Bachelor of Science program in Mathematics or related areas at a California State University (CSU); guaranteeing admission to the system (but not to a specific campus), and priority consideration for admission to the equivalent CSU program. A student may earn an Associate in Science in Mathematics for Transfer (AS-T) Degree by completing 60 semester units that are eligible for transfer to the CSU, including 21-23 units in Mathematics, Physics, and/or Computer Technology, 1-9 elective units, and either the Intersegment General Education Transfer Curriculum (IGETC) or the CSU General Education Breadth (CSU GE) requirements, with a grade of C or P or better in all major courses and a minimum cumulative grade point average (GPA) of 2.0. Students should consult with a counselor when planning to complete the degree for more information on university admission and transfer requirements. This degree complies with The Student Transfer Achievement Reform Act (Senate Bill 1440).

**Program Learning Outcomes:** Upon successful completion of the program, students will be able to:

- explain and demonstrate mathematical concepts relevant to the course content.
- analyze and construct proofs relevant to the course concepts.
- create, interpret and analyze graphs relevant to the course content.
- solve problems, including application problems, relevant to course concepts and content.

*Note: this award can also be found in the Education TCAP Pathway*

### Core:

MATH 265	Calculus with Analytic Geometry I (5)
MATH 266	Calculus with Analytic Geometry II (5)
MATH 267	Calculus with Analytic Geometry III (5)

### List A: Select one (3 units)

MATH 270	Linear Algebra (3)
MATH 275	Ordinary Differential Equations (3)

### List B: Select one (3 units)

Any course from List A not already used or any of the following:

MATH 227	Statistics (4)
or	
MATH 227S	Statistics with Support (4)
PHYSICS 037	Physics for Engineers and Scientists I (5)

<b>Major</b>	<b>21-23</b>
<b>Additional CSU GE or IGETC Requirements</b>	<b>31-39</b>
<small>(Not including 2-6 double-countable major units)</small>	
<b>Additional CSU-Transferable Units</b>	<b>1-9</b>
<b>Total</b>	<b>60</b>