

MATHEMATICS (AST.MAT)

ASSOCIATE IN SCIENCE FOR TRANSFER

Program Outcomes: Upon successful completion of this program a student will be able to:

- demonstrate proficiency in solving mathematical problems involving major concepts, theories, and principles including, but not limited to
 - applying derivatives and integrals
 - solving 2nd order differential equations
 - constructing basic mathematical proofs
- analyze data using appropriate technology to enhance mathematical understanding.

Required Major Courses (12 units)

<input type="checkbox"/>	MAT-3A – Analytic Geometry and Calculus I	4.0
<input type="checkbox"/>	MAT-3B – Analytic Geometry and Calculus II	4.0
<input type="checkbox"/>	MAT-3C – Analytic Geometry and Calculus III	4.0

Major Electives A (Complete 3 units)

<input type="checkbox"/>	MAT-4 – Linear Algebra	3.0
<input type="checkbox"/>	MAT-5 – Differential Equations	3.0

Major Electives B (Complete one additional 3-5 units)

<input type="checkbox"/>	MAT-4 – Linear Algebra	3.0
<input type="checkbox"/>	MAT-5 – Differential Equations	3.0
<input type="checkbox"/>	MAT-13 – Elementary Statistics	4.0
<input type="checkbox"/>	CSS-2A – Object Oriented Programming	4.0
<input type="checkbox"/>	PHY-4A – General Physics I/Mechanics	4.0

SUBTOTAL: 18-19 UNITS

General Education – Required Courses

Students must complete one of the following General Education Plans:

CSU-GE (see page 70) 39 units

IGETC (see page 72) 37 units

Students can double-count required courses and courses for General Education

■ *Electives (Courses Numbered 1-99) required when degree units plus GE units total fewer than 60.*

TOTAL: 60 UNITS



**A Degree With A
Guarantee.comSM**
*Associate Degree
for Transfer*

In order to earn this degree, students must complete the Associate Degree for Transfer Requirements:

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 GE – Breadth Requirements (CSU GE-Breadth).
 - 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

ADTs include (AA-T) and (AS-T) degrees. The law authorizing these degrees also requires that students must earn a “C” or better in all courses required for the major or area of emphasis. A “P” (Pass) grade is also an acceptable grade for courses in the major if the course is taken on a Pass/No Pass basis.