

Moreno Valley College



Associate Degree for TransferSM

California Community Colleges are now offering associate degrees for transfer to the CSU. These may include Associate in Arts (AA-T) or Associate in Science (AS-T) degrees. These degrees are designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Moreno Valley College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to: Please visit the following website to see all your ADT options: <http://adegreewithaguarantee.com/> Students are encouraged to meet with a MVC counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

MATHEMATICS

2020-2021

(CSUGE) MAS719 (IGETC) MAS720

The Associate in Science Degree in Mathematics for Transfer is designed to prepare the student for transfer to institutions of higher education and specifically intended to satisfy the lower division requirements for the Baccalaureate Degree in Mathematics at a California State University (but does not guarantee acceptance to a particular campus or major). It will also provide the student with a sufficient academic basis from which to pursue a career in mathematics, statistics, actuarial sciences, and education.

Program Learning Outcomes

Upon successful completion of this program, students should be able to:

- Reason mathematically both abstractly and computationally.
- Create and analyze mathematical models.

| <u>Required Courses (18-20 units)</u> | | <u>Units</u> |
|--|--|--------------|
| MAT-1A* | Calculus I | 4 |
| MAT-1B* | Calculus II | 4 |
| MAT-1C* | Calculus III | 4 |
| <u>Choose 2 courses from the following with at least 1 course from Group A</u> | | <u>7-8</u> |
| Group A | | |
| MAT-2 | Differential Equations | 4 |
| MAT-3 | Linear Algebra | 3 |
| Group B | | |
| PHY-4A* | Mechanics | 4 |
| CIS-5 | Programming Concepts and Methodologies I | 4 |
| | C++ | |

Associate in Science for Transfer Degree

The Associate in Science in Mathematics for Transfer degree will be awarded upon completion of 60 California State University (CSU) transferable units including the above major requirements and the CSU General Education (CSUGE) certification or the Intersegmental General Education Transfer Curriculum (IGETC) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.