PROGRAM DESCRIPTION:
The Associate of Science in Mathematics for Transfer degree provides students with sufficient understanding of mathematical concepts, skills, and applications to attain upper division status in mathematics at a four-year college or university, majoring in Mathematics, Physics, Engineering, or Computer Science.

The program is suited to the needs of students who will complete their education at Chaffey College with an A.S. degree, as well as those students who will complete their Chaffey A.S. degree and transfer to a four year institution to complete their bachelor’s degree. Successful completion of the transfer degree in Mathematics guarantees the student acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue a baccalaureate degree, in preparation to pursue a career in the field of mathematics, engineering, statistics, actuarial science, business and management law enforcement, government, and education.

HOW DO I KNOW THIS MAJOR IS FOR ME?
- You enjoy using math to solve problems
- You like using mathematical data to analyze results
- You pay close attention to details and have strong critical thinking skills
- You enjoy collecting data
- You have strong written communication and organization skills
- You enjoy creating charts, presentations, and reports to describe results

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?
- Research Technician
- Survey Assistant
- Eligibility Interviewer
- Recreation Worker

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
- Scientific Research and Development Services
- City/County Offices
- Educational Institutions
- Insurance Companies
- Federal/State Government
- Non-Profit Organizations
- Small Businesses
- Community Centers

WHAT IS THE POTENTIAL WAGE OUTLOOK?
This Associate Degree may lead to a position as a Research Technician, which according to O*NetOnline, the median salary in 2018 in California was $51,500 annually.

The job and wage outlook will vary based on the position selected within this major. To review current salary information and job outlook for other occupational titles, visit www.onetonline.org.

WHAT CAN DO IN THE FUTURE WITH MORE EDUCATION?
The positions below require at least a bachelor’s degree in Mathematics. According to the EDD/LMID Occupational Employment Statistics Survey, 2018 the median wage in California for Mathematicians was $53.76 per hour. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides.
- Mathematician
- Tutor
- Operations Research Analyst
- Research and Development Directors
- Middle and High School Teachers
- Social Science Research Assistants
- Actuaries
- Statisticians
- Math Professors
- Survey Researchers
- Statistical Assistants

For additional information about career pathways and to find out if this major is a good fit for you visit the Career Center located in MACC 203. Career information was collected from www.onetonline.org and www.bls.gov.
MAJOR AND COURSE REQUIREMENTS:

To obtain the Mathematics AS-T degree, students must:

- Complete all the major requirements listed below with grades of C or better.
- Complete a minimum of 60 CSU-transferable units listed with a grade point average (GPA) of 2.0 or better.
- Complete either the California State University General Education Breadth pattern (CSUGE), or the Intersegmental General Education Transfer Curriculum (IGETC).

LEGEND: G=Grade  IP=In Progress  N=Need  Bold: Prerequisites  Plain Text: No Prerequisites

### Student Name:

### ID#:

### Date:

### Counselor:

#### Major Requirements for the Associate in Science for Transfer Degree: (S291A/B)

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>IP</th>
<th>Need</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>MATH 65A</td>
<td></td>
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<tr>
<td>MATH 65B</td>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>MATH 75</td>
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#### List A: Plus one course from the following:

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<th>Course</th>
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<tr>
<td>MATH 85</td>
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#### List B: Plus one course from the following:

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<td>ENGIN 30</td>
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<td>PHYS 45</td>
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<tr>
<td>STAT 10</td>
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Any from List A not used above or:

#### Units for the Major: 20-22 units

<table>
<thead>
<tr>
<th>IGETC</th>
<th>CSU</th>
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<tr>
<td>37</td>
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<td>7</td>
<td>7</td>
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<tr>
<td>8-10</td>
<td>6-8</td>
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</tbody>
</table>

$46 per unit for CA Residents