PROGRAM DESCRIPTION:
The Associate in Science for Transfer (AS-T) degree in Biology explores life at the molecular, cellular, organismal and ecological levels, providing a foundation for further study in the life sciences and related fields of study (e.g. medicine, dentistry, veterinary science, agriculture botany, microbiology, zoology, entomology, ecology). The Associate and Science for Transfer is suited to the needs of students who will complete their education at Chaffey College with an associate degree, as well as those students who will complete their Chaffey associates degree and then transfer to a four-year institution to complete their bachelor’s degree. Successful completion of the transfer degree in Biology guarantees the student’s acceptance to a California State University (but does not guarantee acceptance to a particular campus or major) to pursue to a baccalaureate degree, in preparation to pursue a career in the field of Biology. Students should consult with a counselor for more information on university admission and transfer requirements.

HOW DO I KNOW THIS MAJOR IS FOR ME?
• You enjoy conducting research and analyzing data
• You enjoy thinking critically and problem solving
• You like to keep detailed records of your work
• You like to work with charts and reports
• You like working with technology
• You enjoy working with hands-on problems and solutions
• You want to work in lab environment

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?
• Biological Technician
• Wildlife Technician
• Environmental Technician
• Laboratory Assistant
• Resource Technician
• Research Assistant
• Medical Lab Assistant
• Science Technician

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
• Colleges and Universities
• Federal/State Government
• Colleges and Universities
• Food Manufacturing
• Local Government
• Scientific Research Services
• Pharmaceutical Companies
• Medical Facilities
• Gaming/Fishing Management

WHAT IS THE POTENTIAL WAGE OUTLOOK?
This associate degree may lead to a position as a Biological Technician, which according to the EDD/LMID Occupational Employment Statistics Survey, 2018 the median wage in California was $49,717 annually, or $23.90. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides. The job and wage outlook will vary based on the position selected within this major. To review current salary information and job outlook, visit www.onetonline.org.

WHAT CAN I DO IN THE FUTURE WITH MORE EDUCATION?
The positions below require at least a bachelor’s degree in Biology. According to O*NetOnline, the median salary in 2018 for Biologists in California was $83,660 annually.
• Biological Science Teacher
• Biological Scientist
• Life Scientist
• Natural Scientist Manager
• Biologist
• Biochemist and Biophysicist
• Microbiologist
• Geneticist
• University Professor
• Physician’s Assistant
• Medical Doctor
• Zoologist
• Plant Scientist
• Wildlife Biologist
• Conversation Resource Manager
• Fisheries Manager
• Molecular Biologist
• Research Director

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.

Career Center • MACC 203 • (909) 652-6511
MAJOR AND COURSE REQUIREMENTS:
To obtain the Biology 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 with a grade point average (GPA) of 2.0 or better.
- Complete either the California State University General Education Breadth pattern (CSU GE), or the Intersegmental General Education Transfer Curriculum (IGETC).

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

List A: Complete the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Grade</th>
<th>IP</th>
<th>Need</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 61</td>
<td>Introduction to Cell and Molecular Biology</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>BIOL 62</td>
<td>Biology of Organisms</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
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<tr>
<td>BIOL 63</td>
<td>Evolutionary Ecology</td>
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<td>4</td>
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</tbody>
</table>

Units for the Major: 36

| STEM | 31 | 33 |
| STEM | Total units that may be double counted     | 10  | 10 |
| STEM | Elective (CSU transferable) units         | 3   | 1  |
| STEM | 60 | 60 |

$46 per unit for CA Residents