PROGRAM DESCRIPTION:
Earth Science is the application of many sciences to the understanding of the Earth. While it is often used as a synonym for geology, traditionally Earth Science encompasses a wider range of scientific inquiry including oceanography, meteorology, planetology, and soil sciences. Today’s Earth Science has expanded to include environmental studies as applied to the physical world.

The curriculum is designed to provide the fundamental knowledge and skills to prepare students for transfer to a university as a junior. This is a two-year program leading to an Associate in Science Degree. Students following this program will be well suited to pursue an advanced degree in Earth Science, Environmental Science, or any related science. This program is equally intended to assist those who wish to teach Earth Science in elementary or secondary schools, those interested in understanding environmental issues, or those who desire an understanding of the Earth.

HOW DO I KNOW THIS MAJOR IS FOR ME?
- You are interested in conserving resources and environmental protection
- You enjoy conducting research and analyzing results
- You like to study the physical sciences
- You like to monitor product quality to ensure compliance with standards
- You pay close attention to details and have strong analytical skills
- You enjoy preparing and operating testing equipment
- You enjoy collecting and analyzing samples
- You have strong written communication and organization skills
- You enjoy creating charts, presentations, and reports to describe test results

WHAT CAN I DO WITH THIS ASSOCIATE DEGREE?
- Environmental Technician
- Research Technician
- Natural Science Technician
- Laboratory Specialist
- Water Quality Specialist
- Land-use Technician
- Geological Sample Assistant
- Recreation Leader
- Conservation Technician
- Camp Counselor
- Tour Guide

WHERE CAN I WORK?
This pathway provides you with a choice of various work environments including:
- Social Advocacy Organizations
- Grassroots Organizations
- Beaches, Forests, State/Federal Parks
- Schools, Colleges and Universities
- Manufacturing
- Federal/State Government
- Technical Consulting Services
- Scientific Research Development Services
- Utility Companies
- Natural Resource Organizations
- Environmental Protection Agencies

WHAT IS THE POTENTIAL WAGE OUTLOOK?
This Associate Degree may lead to a position as an Environmental Technician, which according to O*NetOnline, the median salary in 2016 in California was $50,620 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 Environmental Science or other Physical Science. According to the EDD/LMID Occupational Employment Statistics Survey, 2017 the median wage in California for Environmental Scientists was $80,079 annually or $38.50 per hour. For more information, visit www.labormarketinfo.edd.ca.gov/OccGuides.
- Environmental Compliance Officer
- Waste Management Specialist
- Compliance Investigator
- University Professor
- Conservation Scientists and Foresters
- Environmental Engineer
- Geoscientists
- Geophysical Data Technicians
- Hydrologists
- Materials Scientists
- Meteorologist
- Natural Resources Managers
- Natural Sciences Managers
- Research and Development Directors
- Research Science Managers
- Secondary School Teachers
- Sustainability Officer

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.
Chaffey College

MAJOR AND COURSE REQUIREMENTS:

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Grade</th>
<th>IP</th>
<th>Need</th>
<th>Units</th>
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<td>ASTRON 35</td>
<td>Planets and the Solar System with Lab (or ASTRON 26, Stars and Galaxies, 3)</td>
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<td>CHEM 9</td>
<td>Health Science Chemistry</td>
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<td>ESC 5</td>
<td>Oceanography</td>
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<td>ESC 5L</td>
<td>Oceanography Laboratory</td>
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<td>GEOL 1</td>
<td>Physical Geology</td>
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<td>GEOL 2</td>
<td>Historical Geology</td>
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**Plus one course from the following:**

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<th>Need</th>
<th>Units</th>
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<tbody>
<tr>
<td>BIOL 1</td>
<td>General Biology</td>
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<td>BIOL 3</td>
<td>California Natural History</td>
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<td>BIOL 61</td>
<td>Introduction to Cell and Molecular Biology</td>
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<td>BIOL 62</td>
<td>Biology of Organisms</td>
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**Required General Education courses:**

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<th>Need</th>
<th>Units</th>
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<tr>
<td>ENGL 1A</td>
<td>Composition</td>
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<tr>
<td>ESC 1</td>
<td>Earth Science</td>
<td></td>
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<tr>
<td>MATH 31</td>
<td>Plane Trigonometry (or higher level math)</td>
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</tbody>
</table>

Student Name: ____________________________  
ID#: ____________________________  
Date: ____________________________  
Counselor: ____________________________

$46 per unit for CA Residents

In addition to completion of the MAJOR, there are other requirements for the degree, refer to the Chaffey College Graduation Requirement Sheet or see a counselor in the Counseling Center.
All courses required for a certificate must be completed with a minimum grade of C.