Program Outcomes: Upon successful completion of this program a student will be able to:
- apply the scientific method to knowledge acquisition and transfer of information.
- demonstrate proficiency in the areas of graphical presentation, oral communication, and scientific writing.
- examine the various earth system components and their complex interaction through inquiry-based interdisciplinary curricula in the physical sciences.
- use observing systems, geospatial technology, computers, information processing and data analysis.
- explain the significance of geological resources and their economic and sustainable value for long-term habitation of the planet by humans.

<table>
<thead>
<tr>
<th>Required Major Courses (26 units)</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ GEL-1 – Physical Geology</td>
</tr>
<tr>
<td>□ GEL-6 – History of the Earth</td>
</tr>
<tr>
<td>□ CHM-1A – General Chemistry I</td>
</tr>
<tr>
<td>□ CHM-1B – General Chemistry II</td>
</tr>
<tr>
<td>□ MAT-3A – Analytic Geometry and Calculus I</td>
</tr>
<tr>
<td>□ MAT-3B – Analytic Geometry and Calculus II</td>
</tr>
</tbody>
</table>

**SUBTOTAL: 26 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**

---

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.