THE FOLLOWING IS REQUIRED FOR ALL AA-T OR AS-T DEGREES:

1. Minimum of 60 CSU-transferable semester units.

2. Minimum grade point average (GPA) of at least 2.0 in all CSU transferable coursework. While a minimum of 2.0 is required for admission, some CSUs or majors may require a higher GPA. Please consult with a counselor for more information.

3. Completion of a minimum of 18 semester units in an “AA-T” or “AS-T” major as detailed in the transfer section of the catalog. All courses in the major must be completed with a grade of C or better or a “P” if the course is taken on a “pass-no pass” basis.

4. Certified completion of the California State University General Education-Breadth pattern (CSU GE Breadth) OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

CONTACT:
Counseling and Advising:
(530) 895-2378
Transfer Counseling Center:
(530) 895-2264
Transfer Information:
www.assist.org
Department Office: TE 132
(530) 879-6106
Michael Panunto, Department Chair
(530) 895-2229

A DEGREE WITH A GUARANTEE
STUDENT LEARNING OUTCOMES

Upon successful completion of this program, the student will be able to:

- Identify and interpret common rocks, minerals, fossils and geologic structures.
- Explain the physical and biological changes that have occurred on earth throughout geologic time using modern theories such as plate tectonics and evolution.
- Demonstrate an understanding of the geologic time scale and determine the age of rocks using both relative and absolute dating methods.
- Synthesize information from plate tectonics theory and other science disciplines to solve geologic problems and explain geologic phenomena such as mountain building, patterns of igneous activity and seismicity.
- Read and interpret topographic and geologic maps in order to answer geologic questions.
- Demonstrate the analytical and critical thinking skills needed to succeed in a four-year geology program.

Required Courses For The Major:

<table>
<thead>
<tr>
<th>Required Core:</th>
<th>CSU GE</th>
<th>IGETC</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL-32 Physical Geology with Laboratory</td>
<td>B1, B3</td>
<td>5A</td>
<td>4</td>
</tr>
<tr>
<td>GEOL-34 Historical Geology with Laboratory</td>
<td>B1, B3</td>
<td>5C</td>
<td>4</td>
</tr>
<tr>
<td>CHEM-1 General Chemistry I</td>
<td>B1, B3</td>
<td>5A</td>
<td>5</td>
</tr>
<tr>
<td>CHEM-2 General Chemistry II</td>
<td>B1, B3</td>
<td>5A</td>
<td>5</td>
</tr>
<tr>
<td>MATH-30 Analytic Geometry and Calculus I</td>
<td>B4</td>
<td>2A</td>
<td>5</td>
</tr>
<tr>
<td>MATH-31 Analytic Geometry and Calculus II</td>
<td>B4</td>
<td>2A</td>
<td>4</td>
</tr>
</tbody>
</table>

Total units for the major                       27

Total units that may be double-counted          7

Inter-segmental General Education Transfer Curriculum (IGETC) 37
or CSU General Education-Breadth Requirements 39

Transferable Electives                           1-3

Degree Total                                     60

ABOUT THE GEOLOGY PROGRAM

The Associate in Science in Geology for Transfer degree (AS-T Geology) is intended for students who plan to complete a bachelor’s degree in Geology at a CSU campus. Students completing this degree are guaranteed admission to the CSU system, but not to a particular campus or major. Students transferring to a CSU campus that does accept this degree will be required to complete no more than 60 units after transfer to earn a bachelor’s degree. This degree may not be the best option for students intending to transfer to a particular CSU campus or to a university or college that is not part of the CSU system. In all cases, students should consult with a counselor for more information on university admission and transfer requirements.

The associate transfer degrees (AA-T or AS-T) require completion and certification of the California State University General Education (CSU GE) or the Intersegmental General Education Transfer Curriculum (IGETC) as well as the specific AA-T or AS-T major degree requirements. Students earning either an AA-T or an AS-T will not be held to additional Butte College graduation requirements (including Physical Education and the multicultural competency). Students should work with a counselor to identify major coursework that can be used to fulfill CSU GE or IGETC categories.

EARNING YOUR AA-T/AS-T DEGREE

To obtain an AA-T/AS-T degree, students must complete both the major requirements and the graduation requirements listed in the college catalog.

Note that some courses have a prerequisite (P), corequisite (C), or both (P/C). Prerequisites and corequisites are listed within each course description in the catalog.

Transfer majors designated as AA-T or AS-T are designed for transfer to a similar major at an unspecified CSU. Transfer majors designated as AA or AS are designed for transfer to the corresponding major at a specific CSU and are based on articulation. See a counselor for more information. Read about the difference between these types of degrees at the beginning of the Transfer section of the catalog.

Butte College does not discriminate on the basis of age, race, color, national origin, sex or disability in its programs offerings, admission criteria, accessibility, admission and employment criteria. For issues regarding Title IX and Section 504, please contact Allen Renville, Vice President of Student Services, Butte College Campus Center, Room 141, 530-895-2239.