

## ASSOCIATE IN SCIENCE IN GEOLOGY FOR TRANSFER

The Associate in Science in Geology for Transfer degree is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Geology. Students will gain physical science and mathematical skills applied to understanding the earth's history, geologic resources and our changing climate in order to study the relationships among geographic places, natural systems, earth resources and society. Geology students learn about and apply scientific principles, problem solving techniques and critical thinking, with an emphasis on hands-on, experiential learning. Priority admission with junior status to the CSU system will be granted. Students completing this degree are exempt from Mendocino College Institutional Requirements and should plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

### Required Courses – Major

| Course Number             | Course Name                       | Units     |
|---------------------------|-----------------------------------|-----------|
| CHM 250                   | General Chemistry I               | 5         |
| CHM 251                   | General Chemistry II              | 5         |
| GEL 201                   | Geology                           | 3         |
| GEL 201L                  | Geology Laboratory                | 1         |
| GEL 203                   | Earth History                     | 3         |
| GEL 203L                  | Earth History Laboratory          | 1         |
| MTH 210                   | Calculus and Analytic Geometry I  | 5         |
| MTH 211                   | Calculus and Analytic Geometry II | 5         |
| <b>Total Major Units</b>  |                                   | <b>28</b> |
| <b>Total Degree Units</b> |                                   | <b>60</b> |

### Program Level Student Learning Outcomes:

1. Experience problem solving and utilizing different techniques in analytic geometry as demonstrated by satisfactory completion of two semesters of calculus.
2. Experience in laboratory methods and applications of chemistry as demonstrated by satisfactory completion of two semesters of general chemistry.
3. Exposure to, and gained knowledge of, basic concepts in geology as demonstrated by satisfactory completion of their physical and historical geology coursework.

### Career Opportunities in GEOLOGY

Completing the Associate in Science in Geology for Transfer degree can lead to a variety of opportunities. Geology is a STEM (Science, Technology, Engineering, Mathematics) field offering countless personal and professional opportunities to work on practical problems that are important for modern society. Careers for a geologist include a broad spectrum of possibilities from resource management to natural hazards assessment and mitigation, including but not limited to working as a hydrogeologist, geophysicist, environmental scientist, oceanographer, planetary scientist and meteorologist.

### Associate Degree for Transfer Requirements:

- Completion of 60 semester units or 90 quarter units of degree-applicable courses,
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of Cal-GETC.