A.S. in Geology

A.S. DEGREE MAJOR

Geologists are curious about the world in which they live. The earth is their laboratory. Geology is the fundamental discipline used to explain the natural earth systems that shape our changing planet. Today the majority of geoscientists are employed in the environmental fields, but many are also employed in the exploration for and production of natural resources. While students may take classes at both campuses, the majority of courses required for the major are offered at the Kentfield Campus. Students who complete the requirements listed below, plus additional general education and graduation requirements, will be awarded the associate degree. All students should consult a counselor.

PROGRAM REQUIREMENTS

A.S. in Geology Major Requirements (Total 35 - 35.5)
Complete the following number of credits: 35-35.5
Required Core (Total 33)
Complete all of the following
CHEM131 - General Chemistry I 5
CHEM132 - General Chemistry II 5
GEOL120 - Physical Geology 3
GEOL120L - Physical Geology Laboratory 1
GEOL121 - Historical Geology 4
GEOL201 - Elementary Mineralogy 4
MATH104 - Plane Trigonometry 3
PHYS108A - General Physics I 4
PHYS108B - General Physics II 4
Select One Field Course (Total 2 - 2.5)
Complete the following number of credits: 2-2.5
GEOL125 - Field Geology I 2.5
GEOL126 - Field Geology II 2

PROGRAM LEARNING OUTCOMES

- Apply fundamental principles from physics and chemistry to scientific questions related to the earth.
- Organize and create scientific inquiries using primary data collected from the lab and/or the field, in accordance with appropriate scientific methodologies and practices.
- Assess geologic hazards for specific areas, including hazards from earthquakes and landslides.
- Evaluate and compare mitigation strategies for geologic hazards and environmental pollution issues.