



DUAL CREDIT GEOLOGY

What is it?

Grades: 11 & 12; **Credit:** 1 High School (3 college credits); **Type:** Physical Science

Prerequisites: Passing grade in Biology

Geology is a survey course focusing on the study of Earth's materials, forms, and processes. Topics covered include rock and mineral classification, Earth's dynamic interior and physical processes operating to shape Earth's landforms. Designed as a dual credit class for the **non-science major**, this course includes a laboratory component and may include field trips.



Who should take it?

- Do you like earth sciences?
- Do you like science but do NOT plan on majoring in a science in college?
- Do you want college credit?

What are the expectations?

This is an upper-level science class. You will be expected to take effective notes, study outside of class and be able to apply knowledge to new situations. You will organize your own materials to serve as reference throughout the class. Collaboration is expected on many activities. While this is a class geared for non-science majors, it is a college-level class and will require higher level thinking, readings outside of class, and projects.



What will you study?

- The earth in context—scientific method
- Minerals, rocks, and their formation processes
- Plate tectonics theory and the resulting geologic structures
- Solid earth processes and surface processes—water, oceans, deserts, glaciers
- Natural disasters—earthquakes, volcanoes, mass movements
- Geologic time
- Global change in Earth system