

GEOL101C : Essentials of Geology

Introduces students to the basic geological principles, including minerals, rock formation, volcanism, weathering, external and internal processes in sculpting and modifying landscapes, geologic time and history, global cycles, and human impacts on geological processes. Environmental resource use and conservation issues are also addressed. Required field trips.

Credits 4

Lab/Practicum/Clinical Hours 2

Lecture Hours 3

Prerequisites

Students must pass all prerequisite courses with a grade of C or higher.

High school-level Biology with lab and high school-level Chemistry with lab, both with grades of C or higher

Learning Outcomes

Upon completion of this course, students will:

1. Discuss the origin, chemical composition, and physical structure of the Earth.
2. Explain the forces that modify Earth's surface to produce the landforms and landscapes in Earth's past and present.
3. Evaluate the interrelationship between geology and our everyday lives including our use of Earth's resources, its impacts and the hazards posed by Earth's internal and surficial processes.
4. Demonstrate proper laboratory techniques and skills.