

# Geology (GEL)

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**GEL 111. Geology. 4.0 Credits.** Class-3.0. Clinical-0.0. Lab-2.0. Work-0.0

This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth. This course introduces basic landforms and geological processes. Topics include rocks, minerals, volcanoes, fluvial processes, geological history, plate tectonics, glaciers, and coastal dynamics. Upon completion, students should be able to describe basic geological processes that shape the earth. This course has been approved to satisfy the comprehensive articulation agreement general education core requirement in natural sciences/Mathematics.

**GEL 113. Historical Geology. 4.0 Credits.** Class-3.0. Clinical-0.0. Lab-2.0. Work-0.0

This course covers the geological history of the earth and its life forms. Emphasis is placed on the study of rock strata, fossil groups, and geological time. Upon completion, students should be able to identify major fossil groups and associated rock strata and approximate ages of geological formations.

Prerequisites: Take One: GEL 111 or GEL 120

**GEL 120. Physical Geology. 4.0 Credits.** Class-3.0. Clinical-0.0. Lab-2.0. Work-0.0

This course provides a study of the structure and composition of the earth's crust. Emphasis is placed on weathering, erosional and depositional processes, mountain building forces, rocks and minerals, and structural changes. Upon completion, students should be able to explain the structure, composition, and formation of the earth's crust.

**GEL 230. Environmental Geology. 4.0 Credits.** Class-3.0. Clinical-0.0. Lab-2.0. Work-0.0

This course provides insights into geologic forces that cause environmental changes influencing man's activities. Emphasis is placed on natural hazards and disasters caused by geologic forces. Upon completion, students should be able to relate major hazards and disasters to the geologic forces responsible for their occurrence.

Prerequisites: Take GEL 111, GEL 120, or PHS 130 Minimum grade C