

# GEOLOGY (GEOL)

---

**GEOL 1101 Earth Sciences Lab I****Credit:** 1 (0-1-0)

Laboratory course linked to GEOL 1301. Laboratory exercises reinforce concepts related to the formation of earth materials, processes of plate tectonics and of atmosphere. The course emphasizes scientific communication and collaboration as well as measurement methods, observation, and inference.

**Corequisites:** GEOL 1301. TSI Restriction(s): Reading, Math, and Writing**Restrictions:** Graduate level students may not enroll.**GEOL 1102 Earth Sciences Lab II****Credit:** 1 (0-1-0)

Laboratory course linked to GEOL 1302. Laboratory exercises reinforce concepts in historical geology. The course emphasizes scientific communication and collaboration as well as measurement methods, observation, and inference.

**Corequisites:** GEOL 1302. TSI Restriction(s): Reading, Math, and Writing**Restrictions:** Graduate level students may not enroll.**GEOL 1301 Earth Sciences I****Credits:** 3 (3-0-0)

This is an interdisciplinary earth science course, incorporating aspects of mathematics, chemistry, biology, and physics to study geological, oceanic, and atmospheric processes. The questions examined in this course are: How did planet earth form and how does it work? What is it made up of, and how does it change through time? Plate tectonics, earth materials, landforms, structures, climate, and the formation of natural resources will be studied. The process of scientific discovery will be introduced through local field trips, sample and data collection, and their interpretation. This course meets the standards for the 'Life and Physical Sciences' category of courses under the core curriculum. TSI Restriction(s): Reading, Math, and Writing

**Restrictions:** Graduate level students may not enroll.**GEOL 1302 Earth Sciences II****Credits:** 3 (3-0-0)

This is the second course in earth sciences, incorporating aspects of mathematics, chemistry, biology, and physics to study geological, oceanic, and atmospheric processes. It covers the surface features and processes of the planet, including the atmosphere and the hydrological cycle, as well as earth's interior. Topics of study include volcanoes, earthquakes, climate, and the hydrological cycle. The process of scientific discovery will be introduced through local field trips, sample and data collection, and their interpretation. This course meets the standards for the 'Life and Physical Sciences' category of courses under the core curriculum. TSI Restriction(s): Reading, Math, and Writing

**Restrictions:** Graduate level students may not enroll.**GEOL 2390 Selected Topics: Geology****Credits:** 3 (3-0-0)

A course in geology in areas of specialization of the faculty, with emphasis on current developments. Specific topics will be changed from semester to semester, so a student may take the course for credit more than once. Instructor approval required. TSI Restriction(s): Reading, Math, and Writing

**Restrictions:** Enrollment is limited to Undergraduate level students.**GEOL 4390 Advanced Topics: Geology****Credits:** 3 (3-0-0)

A course in geology in areas of specialization of the faculty, with emphasis on current developments. Specific topics will be changed from semester to semester, so a student may take the course for credit more than once. (Maximum 6 hours). Instructor approval required. TSI Restriction(s): Reading, Math, and Writing

**Restrictions:** Graduate level students may not enroll.