### Geology Learning Objectives

**GEO10A:** Geohazards

**GEO10B:** Planetary Geology

**GEO10C:** Environmental Geology

**GEO10D:** Palaeontology

**GEO10E:** Geomorphology

**GEO10F:** Oceanography

**GEO11A:** Introduction to GIS

**GEO20:** Introduction to Soil for Geologists

**GEO21:** Remote Sensing

**GEO22:** Introduction to Geochemistry

**GEO31:** Volcanology

**GEO32:** Sedimentary Geology

**GEO33:** Structural Geology

**GEO34:** Hydrogeology

**GEO35:** Field Geology Seminar

**GEO36:** Research Methods (Writing)

**GEO37:** Research Methods (Speaking)

**GEO38:** General Geology

**GEO100:** Igneous and Metamorphic Petrology (w/ Lab)

**GEO103:** Sedimentary Petrology (w/ Lab)

**GEO105:** Structural Geology (w/ Lab)

**GEO106:** Senior Project

**GEO109:** Reading and Research

**GEO109A:** Geology of the Cascades

**GEO110:** Regional Geology Seminar

**GEO110A:** Research Methods (Writing)

**GEO110B:** Research Methods (Speaking)

### Active Classes

#### GEO20A: Geohazards

#### GEO20B: Planetary Geology

#### GEO20C: Environmental Geology

#### GEO20D: Paleontology

#### GEO20E: Geomorphology

#### GEO20F: Oceanography

#### GEO211A: Introduction to GIS for Geologists

#### GEO212: Remote Sensing

#### GEO213: Intro to Geochemistry

#### GEO311: Volcanology

#### GEO312: Sedimentary Geology

#### GEO313: Structural Geology

#### GEO314: Hydrogeology

#### GEO315: Field Geology Seminar

#### GEO316: Research Methods (Writing)

#### GEO317: Research Methods (Speaking)

#### GEO318: General Geology

#### GEO101: Igneous and Metamorphic Petrology (w/ Lab)

#### GEO103: Sedimentary Petrology (w/ Lab)

#### GEO105: Structural Geology (w/ Lab)

#### GEO106: Senior Project

#### GEO109: Reading and Research

#### GEO109A: Geology of the Cascades

#### GEO110: Regional Geology Seminar

#### GEO110A: Research Methods (Writing)

#### GEO110B: Research Methods (Speaking)

#### GEO38: General Geology

### Archived Classes

#### GEO100: Igneous and Metamorphic Petrology (w/ Lab)

#### GEO103: Sedimentary Petrology (w/ Lab)

#### GEO105: Structural Geology (w/ Lab)

#### GEO106: Senior Project

#### GEO109: Reading and Research

#### GEO109A: Geology of the Cascades

#### GEO110: Regional Geology Seminar

#### GEO110A: Research Methods (Writing)

#### GEO110B: Research Methods (Speaking)

### Degree Requirements

#### Geology Track

- One introductory course: Geology 20A, B, C, D, or E

- A set of seven core courses: Geology 123, 125, 127, 129, 181, 183, 185

- Two Geology electives

- A year-long senior thesis: Geology 192

- Two semesters of college introductory calculus

- An introductory course: Geology 20A, B, C, D or E

- Three intermediate-level courses (take three of four): Geology 123, 125, 127, and 129

- Two upper-division courses (take two of three): Geology 181, 183, 185

- Geology 110 or 115 or 120

- MATH 30 (Calculus I)

- Geology 40 and 40L, or E110A, B and 40L, 146

- Chemistry 1A, B or 1A or 3A, 1B or 1B or 3B, 29

- One upper-division course in Chemistry or Biology: E110A, 115 or 112 or 114

- One pertinent elective to be selected by the student. This elective need not be from the Geology curriculum, but must relate in some clear way to the student’s senior thesis goals, and must be approved by the student’s major adviser. Relevant courses from any of the Claremont Colleges may be applied.

- Senior Thesis: Geology 192

#### Geology Minor

- An introductory course from GEO10A, B, C, D or E

- Two intermediate-level courses (take two of four): Geology 123, 125, 127, 129 plus one course from 181, 183, 185 or 192, GEO211; plus one other Astronomy credit of the student’s choice

- Independent Study: 199 or GEO 199, advanced study topic to be negotiated in consultation with Prof. Varga or Prof. Keala or Prof. Zhao

- Senior Thesis: 192

### Other Programs

#### Earth, Planetary & Space Science

- Introductory Courses: 20, 138 (recommendation), ASTR 1 or 2

- Physics 1A, 1B, 33 and 32

- Disciplinary Focus in Geology: 110; plus any two courses: 123, 125, 127 or 129 plus one course from 181, 183, 185 or 192, GEO211; plus one other Astronomy credit of the student’s choice

- Independent Study: 199 or GEO 199, advanced study topic to be negotiated in consultation with Prof. Varga or Prof. Keala or Prof. Zhao

- Senior Thesis: 192

### Clubs, Organizations, etc.

- Faculty & Staff

- Degree Requirements

- Geology Minor

- Geology Track

- Clubs, Organizations, etc.

- Active Classes

- Archived Classes

- Geology Learning Goals

- Faculty & Staff