

## Claremont Colleges Scholarship @ Claremont

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Curriculum Maps

Claremont Colleges Curriculum Tools

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# Geology Curriculum Map 2013-2014

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This map displays degree requirements, courses, faculty information, clubs & organizations, and Library resources associated with American Studies across the seven Claremont Colleges (7Cs) for the 2013-14 academic year. It was compiled using public information drawn from Colleges websites, course schedules and catalogs, and the Claremont Colleges Library website. **These maps should be understood as a snapshot of the consortium in time, and not representative of current information beyond 2013-14.**

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- GEO20A: Geohazards
- GEO20B: Planetary Geology
- GEO20C: Environmental Geology
- GEO20D: Paleontology
- GEO20E: Oceanography
- GEO111a: Introduction to GIS
- GEO111b: Introduction to GIS for Geologists
- GEO112: Remote Sensing
- GEO115: Hydrogeology
- GEO120: Intro to Geochemistry
- GEO121: Volcanology
- GEO123: Neotectonics
- GEO125: Earth History w/Lab
- GEO127: Mineralogy w/Lab
- GEO129: Geophysics
- GEO152: Climate Change
- GEO160: Geomodeling
- GEO181: Igneous and Metamorphic Petrology w/Lab
- GEO183: Sedimentology w/Lab
- GEO185: Structural Geology w/Lab
- GEO192: Senior Project
- GEO099/199: Reading and Research
- GEO089: Geology of the Cascades
- GEO140: Regional Geology Seminar
- GEO150A: Research Methods (Writing)
- GEO150B: Research Methods (Speaking)

Active Classes

**Classes**

Archived Classes

**Claremont Colleges Library: Geology Curriculum, 2013-2014**

**Faculty & Staff**

- Dr. Gaines (Chair)
- Dr. Grosfils
- Dr. Hazlett
- Dr. Lackey
- Dr. Reinen
- Dr. Varga (Visiting Scholar)
- Dr. Zenger (Professor Emeritus)
- Ms. Keala (Administrative Assistant)

**Clubs, Organizations, Etc.**

- Field Trips
- Students

**Degree Requirements**

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 1)

Biology 40 and 41E, or JS BIOL 44 and JS BIOL 146

Chemistry 1A, B or 51 or JS CHEM 14, 15 or JS CHEM 29

One upper division course in Chemistry or Biology: BIOL 104 or 112 or CHEM 110

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

Introductory Courses: 20 (20B recommended); ASTR 1 or 62; PHYS 51A,B; MATH 30, 31 and 32

Disciplinary Focus in Geology: 110; plus any two courses from 123, 125, 127 or 129; plus one course from 181, 183 or 185; ASTR 101; plus one other Astronomy credit of the student's choice

Independent Study: 199 or ASTR 199, advanced study topic to be selected in consultation with Mr. Grosfils or Mr. Penprase or Mr. Choi

Senior Thesis: 192

Public Policy

Geochemistry

An introductory course from GEOL 20A, B, C, D or E

Two intermediate-level courses (take two of four): 123, 125, 127, 129

Three additional geology courses from those numbered 100 and above (not to include 192 or 199 without permission of the department faculty)

Geology Track

E.E.S.

Earth, Planetary & Space Science

Geology Minor