

# Geology & Geological Engineering

[Overview](#)

[Academics & Admissions](#)

[Programs](#)

[Minors](#)

[Courses](#)

[Faculty](#)

## Courses

- [Engr 310: Engineering Analysis I](#)
- [Engr 340: Engineering Geology](#)
- [G E 301: Geological Eng. Design Field Camp 1](#)
- [G E 305: Geomechanics](#)
- [G E 401: Geological Eng. Design Field Camp 2](#)
- [G E 405: Engineering Geophysics](#)
- [G E 413: Prob. & Stat. Analyses in Eng. Design](#)
- [G E 415: Petroleum Geology](#)
- [G E 420: Subsurface Site Characterization](#)
- [G E 421: Geological Engineering Design](#)
- [G E 430: Geological Field Studies I](#)
- [G E 436: Field Camp G E Design](#)
- [G E 450: Hydrogeology](#)
- [G E 470: Intro. to Geographic Information System](#)
- [G E 490: Directed Studies and Projects](#)
- [G E 503: Environmental Geochemistry](#)
- [G E 507: Regional Geological Engineering](#)
- [G E 510: Remote Sensing](#)
- [G E 511: Spatial Analysis](#)
- [G E 513: Economic Geology](#)
- [G E 525: Engineering Seismology](#)
- [G E 530: Advanced Geomechanics](#)
- [G E 540: Rock Mechanics](#)
- [G E 555: Introduction to Mining Engineering](#)
- [G E 577: Geophysics I](#)
- [G E 591: Special Topics](#)
- [G E 635: Advanced Rock Mechanics](#)
- [Geol 101: Physical Geology](#)
- [Geol 102: Historical Geology](#)
- [Geol 103: Earth Dynamics](#)
- [Geol 104: Environmental Geology - Hazards](#)
- [Geol 105: Environmental Geology - Resources](#)
- [Geol 106: Earth History](#)
- [Geol 107: Introduction to Oceanography](#)
- [Geol 111: Physical Geology Laboratory](#)
- [Geol 112: Historical Geology Laboratory](#)
- [Geol 114: Environmental Geology-Hazards Laboratory](#)
- [Geol 115: Environmental Geology - Resources Lab](#)
- [Geol 120: Dinosaurs](#)
- [Geol 203: Earth Dynamics Laboratory Content](#)
- [Geol 221: Mineralogy](#)
- [Geol 222: Elementary Petrology](#)
- [Geol 225: Mineralogy & Elementary Petrology](#)
- [Geol 303: Structural and Tectonic Geology](#)
- [Geol 305: Geomorphology](#)
- [Geol 309: Invertebrate Paleontology](#)
- [Geol 314: Sedimentology and Stratigraphy](#)
- [Geol 410: Coastal and Reef Dynamics](#)



- [Geol 420: Optical Mineralogy](#)
- [Geol 500: Intro. to Geographic Information Systems](#)
- [Geol 505: Hydrogeology](#)
- [Geol 517: Global Tectonics](#)
- [Geol 518: Quantitative Methods in Geo. & Geo Eng](#)
- [Geol 520: Advanced Igneous and Metamorphic Petrolo](#)
- [Geol 530: Geology Field Studies](#)
- [Geol 535: Geochemistry](#)
- [Geol 610: Earth Science Projects](#)
- [Geol 614: Advanced Geographic Information Systems](#)
- [Geol 615: Geostatistics](#)
- [Geol 630: Coastal Plain Geology](#)
- [Geol 643: Advanced Geomorphology](#)
- [Geol 645: Advanced Sedimentation](#)
- [Geol 646: Advanced Stratigraphy](#)
- [Geol 647: Sedimentary Petrology](#)
- [Geol 648: Metamorphic Petrology](#)
- [Geol 649: Pedology](#)
- [Geol 690: Scientific Writing](#)
- [Geol 697: Thesis](#)

