GEOPHYSICS, MINOR

College of Letters & Science

Geophysics is the study of the physical properties and processes within and surrounding the Earth and other planets. Many problems in the Earth and Planetary Sciences require geophysical techniques for study. The minor in geophysics is designed for those Geology majors and non-Geology majors, who are interested in pursuing a graduate or professional career in geophysics, and/or those who desire a career in petroleum or civil engineering or environmental industries. The minor in geophysics may be particularly useful to those in related technical fields such as mathematics, physics, material science and engineering, who wish to apply their skills to problems in Earth science.

Students majoring in **Geology** may elect to complete a minor in Geophysics, Environmental Geology, or Oceanography. They may not complete a minor in Geology.

Students majoring in **Marine & Coastal Science** may elect to complete a minor in Geology, Geophysics, or Environmental Geology. They may not complete a minor in Oceanography.

The minor is sponsored by the Department of Earth & Planetary Sciences (https://catalog.ucdavis.edu/departments-programs-degrees/earth-planetary-sciences/).

Advising

Visit the staff major advisor (https://eps.ucdavis.edu/students/undergrad/advising/) for help navigating minor requirements, policies, prerequisites, and course offerings. Visit the faculty major advisors (https://eps.ucdavis.edu/students/undergrad/advising/) for additional advice on courses, careers, and graduate school. Faculty Advisor: M. I. Billen.

Work with your major advisor and college advisors to fit a minor into your overall academic plan.

Declare your minor using the OASIS Minor Declaration form (https://students.ucdavis.edu/forms/instructions/minordeclaration.aspx?sv=true), due the quarter before graduation.

Code	Title	Units
Choose four:		12
GEL 131	Risk: Natural Hazards & Related Phenomena	
GEL 160	Geological Data Analysis	
GEL 161	Geophysical Field Methods	
GEL 162	Geophysics of the Solid Earth	
GEL 163	Planetary Geology & Geophysics	
Choose additional courses from above and/or from the following list to reach at least 18 total units for the minor.		6
GEL 101	Structural Geology	
GEL/ESP 116N	Oceanography	
GEL 130	Non-Renewable Natural Resources	
GEL 134	Environmental Geology & Land Use Planning	
GEL 142	Basin Analysis	
GEL 147	Geology of Ore Deposits	
GEL 149	Geothermal Systems	
GEL/ESP 150A	Physical & Chemical Oceanography	
GEL/ESP 150B	Geological Oceanography	
GEL 156/HYD 146	Hydrogeology & Contaminant Transport	
HYD/EBS 144	Groundwater Hydrology	
ESM 100	Principles of Hydrologic Science	
ECI 175	Geotechnical Earthquake Engineering	
Total Units		**18**