

GEOPHYSICS, B.S.

The Bachelor of Science degree in Geophysics concentrates on the branch of geology that deals with the physics of the earth, including oceanography, seismology, volcanology, and geomagnetism.

Learning Outcomes

- Students will demonstrate their knowledge of fundamental concepts and laboratory skills in the geosciences by responding to written and laboratory-practical exam questions in at least one of the following GEOL 302, GEOL 325, GEOL 345, GEOL 355, GEOL 531, GEOL 556, GEOL 554, GEOL 555, GEOL 575 and GEOL 582.
- Students will demonstrate knowledge of geological field skills by showing a competency at the proficiency level on a geologic field exercise. In the Geophysics courses GEOL 548 and GEOL 554, the field exercise will include a class field project using seismic data and solving a particular geologic problem, such as fault identifications or the presence of sinkholes. For students enrolling in GEOL 500, the field exercise will be a mapping exercise, the Sheep Mountain project.
- Students will demonstrate their preparation for careers or graduate studies in the geosciences.