

# ECU Geology Field Course



## 6-credit hours in Colorado and New Mexico (May 19 - June 24, 2025)

### Overview of the Summer Geology Field Course

The Summer Geology Field Course (GEOL-4000) is a 6-semester hour, capstone Geology Field experience administered by the Department of Geological Sciences at East Carolina University. The Course is conducted in northern New Mexico and southern Colorado within a geologic and tectonic setting that includes the Southern Rocky Mountains, the Colorado Plateau, the Rio Grande Rift, the Jemez Caldera, and the San Juan Mountains. The course emphasizes project based learning including: field mapping, stratigraphy and geophysics, and is designed to train students in field oriented problem solving and critical thinking that will prepare them for a professional career in the Geological Sciences. This includes introducing students to complete project life cycles from data collection in the field, to analysis in a digital and GIS based environment and final production of scientific reports.

Overall, the New Mexico and Colorado regional setting immerse students in diverse geologic environments, ranging from: active faults, Proterozoic metamorphic rocks, Paleozoic to Cenozoic sedimentary rocks, young volcanic terrains, and Late Cenozoic alluvial and colluvial sediments. This setting makes learning about the geosciences a truly unique experience!

### Course Information

GEOLOGY 4000- 6 semester hours: **May 19- June 24, 2025** (Including Travel Days in vans to and from New Mexico and Colorado)

**TUITION AND FEES:** Total cost for applicants is approximately \$3975. \$500 is due with the application, with the remainder due by **April 3, 2025**, pending financial aid disbursements. Students who are not currently enrolled at East Carolina University will have to pay an Application Fee (\$75) to be admitted as a Visiting Summer Student (<https://admissions.ecu.edu/apply/visiting-students/>). Total fees cover tuition, transportation and lodging (not food).

**APPLICATION DEADLINE: Feb. 21, 2025.** Applications are welcome as long as space remains for additional students. Our Geology Field Course fills quickly, so apply early if you want to be assured a spot in the 2025 Geology Field Course.

**PREREQUISITES:** Courses in Mineralogy, Petrology, Stratigraphy/Sedimentology, Structural Geology, and Field Methods are preferred. You must have completed a course in Structural Geology and General Petrology (Igneous, Sedimentary, and Metamorphic) to attend the Field Course. Some substitutions are allowed for qualified candidates.

Mapping Area, San Ysidro, NM



### For additional information

Contact the Field Course Director:

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Department of Geological Sciences  
East Carolina University

<https://geology.ecu.edu/undergraduate-field-course/>