GEOSCIENCES, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Learning Objectives

- Core Science Application: To produce graduates who can apply knowledge of the mathematics, physics, chemistry, and biology of Earth processes to the solution of geologic problems.
- Earth Systems Thinking: To produce graduates who can integrate multiple aspects of the origin, evolution, and future of the Earth, including the geosphere, hydrosphere, biosphere, and atmosphere.
- Observation & Measurement: To produce graduates who can interpret Earth's history and dynamics by observing and measuring minerals, rocks, fluids, fossils, landforms, and structures.
- Scientific Inquiry & Communication: To produce graduates who
 possess the ability to pose questions, collect and interpret data, and
 solve geologic problems, communicating the results of this scientific
 inquiry through writing and speaking.