GEOSCIENCES, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Learning Objectives

1. To produce graduates who possess a broad understanding of the origin and evolution of the Earth, including the geosphere, hydrosphere, biosphere, and atmosphere.

2. To produce graduates who can apply knowledge of the mathematics, physics, chemistry, and biology of Earth processes to the solution of geologic problems.

3. To produce graduates who can interpret Earth’s history and dynamics by observing and measuring minerals, rocks, fluids, fossils, landforms, and structures.

4. 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.