GEOSCIENCES, B.S.

Begin Campus: Any Penn State Campus

End Campus: University Park

Program Learning Objectives

• To produce graduates who possess a broad understanding of the origin and evolution of the Earth, including the geosphere, hydrosphere, biosphere, and atmosphere.
• To produce graduates who can apply knowledge of the mathematics, physics, chemistry, and biology of Earth processes to the solution of geologic problems.
• To produce graduates who can interpret Earth’s history and dynamics by observing and measuring minerals, rocks, fluids, fossils, landforms, and structures.
• 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.