Students are interested in obtaining a degree with a clear pathway for a career in environmental assessment, remediation, and protection. To lead environmental geoscience projects, many states require licensure as a “Professional Geologist” (PG). This licensure is acquired through a process administered by the National Association of State Boards of Geology (ASBOG). 37 states including Indiana require a PG to lead consulting projects. The innovative nature of this degree is the direct preparation for the FG exam and clear curricular pathway for students wishing to pursue a career in environmental remediation. Would you like to make this your career?

HERE'S HOW WE CAN HELP

CONTACT INFORMATION
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Bachelor of Science in Environmental Geosciences
pathway to a degree for your CAREER in Environmental Geosciences
The Bachelor of Science in Environmental Geoscience degree will help you prepare for a career as a licensed Professional Geologist.

The B.S. in Environmental Geoscience is designed for students who plan to seek professional employment in the environmental geoscience sector or continue for advanced study in related fields. Students who pursue this degree program are introduced to concepts of geoscience relevant to environmental assessment and remediation including Earth materials, stratigraphy, hydrogeology, and GIS. The degree provides the curriculum necessary to prepare for a career as a licensed Professional Geologist, a designation required to lead environmental geoscience projects in most states in the U.S.

The environmental sector of the geosciences is a rapidly growing industry. Students wanting to pursue careers in the environmental geosciences need to develop proficiency in computational tools such as GIS as well as general geoscience knowledge that prepares them for taking the National Association of State Boards of Geology (ASBOG) examination.

Careers in the environmental geoscience sector include assessment of environmental conditions for commercial, industrial, or residential development; remediation of water, soil, and soil vapor contamination; hazard, habitat, and paleontological mitigation; as well as jobs in government agencies or chemical, manufacturing, mining, oil and gas, and railroad industries to name a few. Environmental geoscientists are often employed by these industries to provide expertise in the science of site assessment, characterization, cleanup, and protection. There is also growing demand for students with expertise in regional or global analyses of water, energy, and mineral resources, and linkages with global environmental change.

**required courses + EAS courses**

**EARTH MATERIALS**
- E333 Sedimentation and Tectonics
- E406 Introduction to Geochemistry
- E415 Principles of Geomorphology
- E416 Economic Geology
- E423 Methods in Applied Geophysics
- E451 Principles of Hydrogeology
- E454 Fundamentals of Plate Tectonics

**WATER RESOURCES**
- E118 Sustainability in Water Resources
- E351 Hydrology
- E406 Geochemistry
- E444 Analytical Geochemistry
- E446 Hydrometeorology
- E451 Hydrogeology

**GLOBAL + ENVIRONMENTAL SUSTAINABILITY**
- E415 Geomorphology
- E451 Hydrogeology
- SPEA-E 444 Hazardous Materials
- SPEA-E 452 Solid and Hazardous Waste Management
- SPEA-E 464 Organic pollutants: environmental chemistry and fate
- SPEA-E 476 Environmental Law and Regulation
- CHEM-A 314 Biological and Environmental Chemical Analysis
- CHEM-C 341 Organic Chemistry

**courses scan to see all the degree requirements in the 2023-24 course bulletin**

**questions?**

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