



Do you enjoy being outdoors and exploring your Earth?
 Are you interested in climate change ?
 Do you want to know more about where we get our water?
 Would you like to integrate the studies of the oceans, solid Earth and the Earth surface to examine how these systems sustain life on Earth?
Would you like to make this your career?

CONTACT INFORMATION

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pathways
 to CAREERS
 in EARTH SCIENCES

explore
 your
Earth!

<https://earth.indiana.edu>

here's how we can
 help

 EARTH AND ATMOSPHERIC SCIENCES

Students choose among courses in geobiology, geochemistry, energy, environmental geology, hydrology, and geophysics to create an individualized pathway.

the Bachelor of Science in Earth Science degree pathways are:

EARTH MATERIALS - Minerals, rocks, soil, and water are the materials of which the Earth and its natural resources are composed. You will learn what makes up these materials, how they are formed, and what they reveal about the Earth's structure and history.

WATER RESOURCES - The study of the water cycle. Examines the physical, chemical, and biological processes involving water as it cycles through the atmosphere and over and beneath the Earth's surface.

select your

EARTH HISTORY - The history of Earth's continents, atmosphere, oceans, and life are important components of the Earth History pathway. You will learn how to reconstruct the movements of continents, the history of mineral-producing basins, and the evolution of life.

GLOBAL ENVIRONMENT AND SUSTAINABILITY - This field is an integrated study of our environment and its long-term sustainability involving such fields as ecology, biology, geochemistry, mineralogy, hydrology, and atmospheric science.

required courses

+

EAS courses

EARTH MATERIALS

E406 Introduction to Geochemistry

E416 Economic Geology

E418 Igneous and Metamorphic Petrology

E427 X-ray Mineralogy

E225 Earth Materials

E226 Earth Processes

E227 Earth Climate and History

E314 Data Analysis

X429 Field Geology in the Rocky Mountains

E451 Principles of Hydrogeology

E333 Sedimentary and Tectonic Processes

E415 Principles of Geomorphology

E454 Fundamentals of Plate Tectonics

WATER RESOURCES

E118 Sustainability in Water Resources

E351 Hydrology

E406 Geochemistry

E444 Analytical Geochemistry

E446 Hydrometeorology

E451 Hydrogeology

courses

EARTH HISTORY

E308 Paleontology and Geology of Indiana

E340 Physical Meteorology, Climate, and Paleoclimate

E411 Invertebrate Paleontology

E412 Vertebrate Paleontology

GLOBAL + ENVIRONMENTAL SUSTAINABILITY

E131 Oceans and Our Global Environment

E171 Environmental Geology

E341 Natural History of Coral Reefs

E415 Geomorphology

E451 Hydrogeology

E490 Environmental and Energy Diplomacy

energy consulting
environmental engineering
environmental consulting
environmental law
hydrology/water resources
park services and conservation
geoarchaeology

to prepare for your career in

paleontology
museum curation
military engineering
mining, oil and gas
engineering geology
construction firms
state agencies (DNR, Geological Surveys)
federal agencies (NASA, USGS, DOE)
highway department
department of natural resources
state geological surveys
geology/environmental education
science writing/journalism

questions?

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