COMPANIES RECRUITING OUR STUDENTS
Representatives from Chevron, Arcadis, ExxonMobil, and other firms hold recruiting sessions in Bloomington during September and October. Travel support from the department will allow students to participate in AAPG jobs fairs in Houston and Laramie.

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http://earth.indiana.edu
Atmospheric Science at Indiana University is a dynamic program with exciting opportunities to undertake field, satellite, or modeling research. Our faculty members actively conduct both observational and modeling studies of weather and climate processes across scales, from cold fronts and tropical cyclones, to global atmospheric cloud and circulation patterns. The Atmospheric Science Group is an active participant in the interdisciplinary research of other Earth and Atmospheric Sciences faculty, including paleoclimatology and research and global climate change studies. The Department's diverse, close-knit group of researchers enjoys a collaborative atmosphere in earth-science solid interactions. We are among the most active users of IU's high-performance parallel computing facilities which include the new Big Red II machine—one of the world's 70 fastest supercomputers.

FACULTY: CHANH Q. KIEU, CODY KIRKPATRICK, PAUL W. STAITE, AND BENJAMIN ZUH (JANUARY 2019)

Our research programs are rooted in the exploration of molecular and isotopic characteristics of organic matter in diverse geological settings. The programs address challenges in the limits of understanding how the evolution and persistence of complex interactions between chemical, geological and biological systems shape our planet and its neighbors. Geochemistry is inherently multidisciplinary, positioned at the intersection of biology, geology, and chemistry, and typically combines field investigations and sampling with laboratory analyses and experimentation to yield empirical data that can constrain computational models.

FACULTY: SIMON BRASSELL, ERICA ELDRICK, MARIA MASTALERZ, EDWARD RIPLEY, JUERGEN SCHIEBER, PETER SAGER, ARNOLD SCHMIDT, JEFF WHITE, ZHIHUI WU

Economic Geology encompasses all areas in the geological sciences that pertain to the extraction or production of geologic materials for profit. Natural resource utilization throughout the world includes geologic materials such as metals, non-metals, fuels, and water.

Here at IU we have faculty and research scientists who are involved in both field/analytical and experimental studies of all of these natural resources. We have an active group investigating the genesis of metallic ore deposits that occur in magmatic, hydrothermal, and sedimentary environments. Several faculty and research staff are also involved in studies that relate to the genesis and localization of petroleum, coal, and natural gas.

FACULTY: JIM BROPHY, CHUSI LIU, MARIA MASTALERZ, EDWARD RIPLEY

These disciplines investigate the interactions between life and environments throughout Earth's history. Principles of paleontology form the foundation that bridges geologic, biologic, chemical, and anthropologic sciences. Geobiology relies on analysis of fossils in their geologic, and thus historical and environmental contexts to test hypotheses about the history of life. Geoastronomy and geochronology focus on the spatial, temporal, and environmental context of humans in the most recent phases of Earth's history.

The IU Paleontology Collection, which contains more than 1.3 million fossil specimens, offers special opportunities for specimen-based research, teaching, and outreach.

FACULTY: SIMON BRASSELL, ERICA ELDRICK, ED PERLMAN, CLAUDIA JOHNSON, JACKSON NJUH, DAVID POLLY

geochemistry

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