Geochemistry is a state-of-the-art science that studies the abundance of elements and their movement through the Earth’s crust, atmosphere, oceans, lakes, and streams. Knowledge of the chemical and biological reactions that mobilize and transform elements within the environment is fundamental to a broad range of disciplines including geology, climate science, environmental science, microbiology, ecology, forensics and chemistry.

Geochemistry Minor Requirements – at least 15 credits

Choose five of the following courses (15-18 Credit Hours):

A **minimum** of which three courses (9 credit hours) must be GEOL-G courses:

- GEOL-G406 Introduction to Geochemistry
- GEOL-G482 Environmental Microbiology
- GEOL-G483 Isotope Geochemistry
- GEOL-G486 Soil Biogeochemistry
- GEOL-G488 Global Cycles

And a **maximum** of two (2) courses/course sequences (6-9 credit hours) may come from the list below.

- CHEM-C310 Analytical Chemistry and CHEM-C311 Analytical Chemistry Laboratory
- CHEM-C341 Organic Chemistry I
- CHEM-C360 Elementary Physical Chemistry
- CHEM-C361 Physical Chemistry of Bulk Matter
- CHEM-C410 Principles of Chemical Instrumentation and CHEM-C411 Principles of Chemical Instrumentation Laboratory
- BIOL-K411 Global Change Biology

**General Information**

A. At least 9 credit hours of the minor must be taken at IUPUI
B. Recommended courses include one year of college chemistry and at least one course in college algebra.
C. No grade below C- will be accepted in any of these courses and an overall GPA of 2.0 must be maintained in these courses.