

science@iupui

Geochemistry Minor Check Sheet & Application

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.

A minor in Geochemistry requires satisfactory completion of the following:

- Completion of **15** credit hours, with a minimum grade of **C** in each course
- A **minimum** of three courses (9 credit hours) of GEOL-G courses listed below
- Residency requirement - At least **9** credits must be completed at IUPUI (this does not include transfer credit, AP, or CLEP credit)

<u>COURSE</u>	<u>SEMESTER</u>	<u>GRADE</u>	<u>NOTES</u>
GEOL-G Courses (minimum 3 courses, 9 credits):			
GEOL-G 406 (3 cr) – Intro to Geochemistry			
GEOL-G 482 (3 cr) – Environmental Microbiology			
GEOL-G 483 (3 cr) – Isotope Geochemistry			
GEOL-G 486 (3 cr) – Soil Biogeochemistry			
GEOL-G 488 (3 cr) – Global Cycles			
Outside GEOL-G Courses:			
CHEM-C 310 & 311 (3+1 cr) – Analytical Chemistry & Lab			
CHEM-C 341 (3 cr) – Organic Chemistry I			
CHEM-C 360 (3 cr) – Elementary Physical Chemistry			
CHEM-C 361 (3 cr) – Physical Chemistry of Bulk Matter			
CHEM-C 410 & 411 (3+2 cr) – Principles of Chemical Instrumentation and Lab			
BIOL-K 411 (3 cr) – Global Change Biology			

PLEASE NOTE: Pre-requisites to the minor courses are not included but are required in order to complete the minor. This information can be found in the School of Science bulletin.

To apply for the minor, complete the application below and submit via email to Sean Winningham, Earth Sciences Undergraduate Advisor, at swinning@iupui.edu.

Date: _____

Name (please print): _____

Student 10-digit ID: _____

University Email: _____

Current Major: _____

Expected Graduation Date: _____