

**IUPUI University College
School of Science**

Geology – Bachelor of Science
Granted by Indiana University and offered through the Department of Earth Sciences

Required: SCI-I 120 Windows on Science. With permission another Learning Community may be substituted. 1 cr. ____

AREA I COMMUNICATION – 9 credits

- A. English Composition – 6 credits
 (Grade of a C or better in each course is required.)
- ENG-W 131 (ENG-W 140) English Composition I 3 cr. ____
- Second composition course
 ENG-W 132 (ENG-W 150) or ENG-W 231 3 cr. ____
 GEOL-G 205 may be used as a second composition course.

- B. Speech Communication – 3 credits
 COMM-R 110 Speech Communication 3 cr. ____

AREA II FOREIGN LANGUAGE

No foreign language proficiency is required for the BS degree.

AREA III GENERAL EDUCATION REQUIREMENTS - 56 cr.

- A. Humanities, Social Sciences, & World Cultures – 12 credits
- HIST-H 114 Western Civilization II 3 cr. ____
- One course each from List H, S and C.
 See School of Science Course List under checksheets.
- List H: _____ 3 cr. ____
 List S: _____ 3 cr. ____
 List C: _____ 3 cr. ____

- B. Junior/Senior Integrator

Not required for the BS Geology degree

- C. Physical and Biological Sciences – 30 credits
 (No grade below C- will be accepted in any of these courses.)
- CHEM-C 105 Principles of Chemistry I 3 cr. ____
 CHEM-C 125 Principles of Chemistry I Lab 2 cr. ____
 CHEM-C 106 Principles of Chemistry II 3 cr. ____
 CHEM-C 126 Principles of Chemistry II Lab 2 cr. ____
 PHYS-P 201 General Physics I 5 cr. ____
 PHYS-P 202 General Physics II 5 cr. ____

Two courses in biological sciences approved by the Department of Earth Sciences 5 cr. ____

- D. Math and Computer Science – 14 credits
 (No grade below C- will be accepted in any of these courses.)
- MATH 16500 Analytic Geometry & Calculus I 4 cr. ____
 MATH 16600 Analytic Geometry & Calculus II 4 cr. ____
 CSCI-N 207 or other approved computer course 3 cr. ____
 STAT 301 or other approved statistics course 3 cr. ____

AREA IV Geology Program Requirements – at least 38 credits
 (No grade below C- will be accepted in any of these courses.)

- Major Requirements – 23 credits
- GEOL-G 110 Physical Geology 3 cr. ____
 GEOL-G 120 Physical Geology Laboratory 1 cr. ____
 GEOL-G 205 Reporting Skills in the Geosciences 3 cr. ____
 GEOL-G 221 Mineralogy 4 cr. ____
 GEOL-G 222 Petrology 4 cr. ____
 GEOL-G 334 Sedimentology & Stratigraphy 4 cr. ____
 GEOL-G 335 Evolution of Earth and Life 4 cr. ____

- Major Options – 12 credits
- Four additional 300- or 400-level Geology courses, with department approval
- _____ 3 cr. ____
 _____ 3 cr. ____
 _____ 3 cr. ____
 _____ 3 cr. ____

- General Requirements – at least 6 credits**
- Two additional 300 to 400 level Science courses
- _____ 3 cr. ____
 _____ 3 cr. ____

- Capstone Requirement, at least 3 credits**
- Satisfied by GEOL-G 420 Field Excursion –OR–
 Field Camp from approved university.
- _____ _ cr. ____

- Electives – up to 9 credits**
- _____ _ cr. ____
 _____ _ cr. ____
 _____ _ cr. ____
 _____ _ cr. ____

- GENERAL INFORMATION**
- A. A minimum of 122 credit hours must be completed for graduation. This total must include residence of at least two semesters at IUPUI and completion of at least 32 credit hours at the 300-level or above taken at IUPUI.
- B. No more than 6 credit hours of athletic, studio, clinical, performing arts course work will count towards the degree.
- C. Independent study (correspondence) courses may be taken for general electives up to a maximum of 12 credit hours with approval from the School of Science.
- D. Courses taken on the pass/fail option will only count as general electives and not towards any degree requirements of the School or Program.