

Department of Earth Sciences, School of Science
BS Geology – Bachelor of Science - Granted by Indiana University

IUPUI GENERAL EDUCATION CORE - 30 credits

Writing Competency (1 course) <i>(satisfied by ENG-W 131)</i>	3 cr. ____
Speaking and Listening Competency (1 course) <i>(satisfied by COMM-R110)</i>	3 cr. ____
Analytical Reasoning Competency (2 courses) <i>(satisfied by MATH 16500 and 16600)</i>	6 cr. ____
Life and Physical Sciences Competency (2 courses) <i>(satisfied by CHEM-C 105 and 106)</i>	6 cr. ____
Arts / Humanities / Social Sciences (3 courses) <i>(HIST-H114 suggested under Social Sciences)</i>	9 cr. ____
Cultural Understanding Competency (1 course)	3 cr. ____

SCHOOL OF SCIENCE BACCALAUREATE REQUIREMENTS

First Year Experience

SCI-I 120 Windows on Science.	1 cr. ____
<i>English Composition and Communication Competency</i>	
ENG-W 131 English Composition I	3 cr. ____
2nd Composition Course	3 cr. ____
COMM-R 110 Speech Communication	3 cr. ____
<i>Arts & Humanities, Social Sciences, Cultural Understanding Competency</i>	
See Gen Ed Core above	12 cr. ____
<i>Life and Physical Sciences Competency</i>	
CHEM-C 105/C 125 Principles of Chemistry I & Lab	5 cr. ____
CHEM-C 106/C 126 Principles of Chemistry II & Lab	5 cr. ____
PHYS-P 201 General Physics I	5 cr. ____
PHYS-P 202 General Physics II	5 cr. ____
Two (2) Biology courses with lab	5 cr. ____
_____	5 cr. ____

Additional Science Course Requirement

Two (2) additional 300- or 400- level Science courses or certain GEOG courses (see advisor)

_____	6 cr. ____
<i>Analytical Reasoning Competency</i>	
MATH 16500 Analytic Geometry & Calculus I	4 cr. ____
MATH 16600 Analytic Geometry & Calculus II	4 cr. ____
STAT 30100 or other approved statistics course	3 cr. ____
<i>Computer Science Competency</i>	
CSCI-N 207 or other approved computer course	3 cr. ____
<i>Candidacy for Graduation</i>	
CAND 99100 (last semester)	0 cr. ____

GEOLOGY B.S. PROGRAM / MAJOR COMPETENCIES

No grade below C- will be accepted in any of these courses.

GEOLOGICAL 110 Physical Geology	3 cr. ____
GEOLOGICAL 120 Physical Geology Laboratory	1 cr. ____
GEOLOGICAL 205 Reporting Skills in the Geosciences	3 cr. ____
GEOLOGICAL 221 Mineralogy	4 cr. ____
GEOLOGICAL 222 Petrology	4 cr. ____
GEOLOGICAL 323 Structural Geology	4 cr. ____
GEOLOGICAL 334 Sedimentology & Stratigraphy	4 cr. ____
GEOLOGICAL 335 Evolution of Earth and Life	4 cr. ____
THREE (3) additional Geology 300- or 400-level	3 cr. ____
_____	3 cr. ____
_____	3 cr. ____

GEOLOGY CAPSTONE REQUIREMENT – 3 credits

Satisfied by GEOLOGICAL 420 Field Excursion –OR–
 Field Camp from approved university. 3 cr. ____

GENERAL ELECTIVES – 9 credits*

_____ cr. ____	_____ cr. ____
_____ cr. ____	_____ cr. ____

* if SoS requirements used to satisfy Gen Ed Core

BS Geology Degree Sample Plan of Study

First Year

Fall Semester (1)	
Course	Credits
GEOLOGICAL 110 Physical Geology	3
GEOLOGICAL 120 Physical Geology Laboratory	1
MATH 16500 Analytic Geometry & Calculus I	4
CSCI-N 207 or other approved computer course	3
ENG-W 131 English Composition I	3
SCI-I 120 Windows on Science	1
Spring Semester (2)	
Course	Credits
CHEM-C 105 Principles of Chemistry I	3
CHEM-C 125 Experimental Chemistry I	2
MATH 16600 Analytic Geometry & Calculus II	4
Second Composition Course	3
COMM-R 110 Speech Communication	3

Second Year

Fall Semester (3)	
Course	Credits
GEOLOGICAL 335 Evolution of Earth and Life	4
GEOLOGICAL 221 Mineralogy	4
CHEM-C106 Principles of Chemistry II	3
CHEM-C126 Experimental Chemistry II	2
PHYS-P 201 General Physics I	5
Spring Semester (4)	
Course	Credits
GEOLOGICAL 205 Reporting Skills in the Geosciences	3
GEOLOGICAL 222 Petrology	4
PHYS-P 202 General Physics II	5
Cultural Understanding Course	3

Third Year

Fall Semester (5)	
Course	Credits
GEOLOGICAL 323 Structural Geology	4
GEOLOGICAL 334 Sedimentology and Stratigraphy	4
Biology Course with Lab	5
Arts / Humanities / Social Sciences Course	3
Spring Semester (6)	
Course	Credits
GEOLOGICAL 300 or 400 elective	3
300-400 level Science or Geography Course	3
Biology Course with Lab	5
STAT 30100 Elementary Statistical Methods	3

Fourth Year

Fall Semester (7)	
Course	Credits
GEOLOGICAL 300 or 400 elective	3
GEOLOGICAL 300 or 400 elective	3
Arts / Humanities / Social Sciences Course	3
Arts / Humanities / Social Sciences Course	3
Spring Semester (8)	
Course	Credits
GEOLOGICAL 420 Regional Geology Field Trip (SUM)	3
GEOLOGICAL 300 or 400 elective	3
300-400 level Science Course	3
Elective	3
Elective	3
CAND 99100	0