



BACHELOR of SCIENCE in GEOLOGY (#577)

Department of Geography and Geology
 Ogden College of Science and Engineering
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

SAMPLE – Finish in Four Plan

FIRST YEAR (Freshman Year)			
GEOL/G 103 or 111 (Science Colonnade)	3	GEOL 112 Earth History	3
GEOL 113 Earth Lab	1	GEOL 114 Earth Lab	1
ENG 100 Writing (Colonnade Writing)	3	MATH 117 Trig	3
MATH 116 Algebra (Colonnade MATH)	3	CHEM 120/121	5
HIST 101 or 102 (Colonnade History)	3	COMM 145 (Colonnade Communications)	3
GEOG 175 Freshman	2		
SEMESTER CREDIT HOURS	15	SEMESTER CREDIT HOURS	15

SECOND YEAR (Sophomore Year)			
GEOL 330 Mineralogy	4	GEOL 350 Petrology	4
GISC 316 Intro GIS	4	GISC 317 GIS II	4
GEOL 270 Analytical Methods	3	GEOL 360 Sedi Strat	4
GEOG 110 S&B Gen Ed	3	ENG 200 Literature	3
Language Colonnade	3		
SEMESTER CREDIT HOURS	17	SEMESTER CREDIT HOURS	15

THIRD YEAR (Junior Year)			
MATH 136 Calculus	4	PHYS 180/181 or 201	4
GEOL 380 Field Method	3	Arts & Hum.(Colonnade Explorations)	3
GEOG 300 Writing	3	GEOL 408 Structural	4
Connections S&B	3	Connections Local-Glob	3
Geology Elective	3	Independent Research	2
SEMESTER CREDIT HOURS	16	SEMESTER CREDIT HOURS	16

FOURTH YEAR (Senior Year)			
Connections Systems	3	Geology Elective	3
GEOL 452 Field Experience	3	University Elective	3
Geology Elective	3	General Elective	3
GEOL 499 Prof Prep	2	General Elective	3
Independent Research	3		
SEMESTER CREDIT HOURS	14	SEMESTER CREDIT HOURS	12
		Total Credit Hours:	120

- 120 Hours total are required in the program, with 42 hours at the 300/400 level.
- Summer courses, including Study Abroad, Field Camps, and other independent research opportunities, can reduce the number of hours required in the regular semesters.
- Any of the courses can be moved from semester to semester to take advantage of courses when offered.
- The WKU Colonnade Program requires a minimum of 39 hours, with several required courses in the Geography program that can be double-counted. GEOG courses marked * count for Colonnade Credit.
- Colonnade Connections courses are restricted to Juniors/Seniors, unless 21 credit hours of Colonnade Explorations and Foundations courses have already been completed. Three disciplines are required for Connections credit (METR, GEOG, GEOL, and GISC count as separate disciplines).

REQUIRED IN THE MAJOR (46 hours): **Major courses:** GEOL 103 / GEOG 103 or GEOL 111, GEOL 112, GEOL 113, GEOL 114, GEOL 270, GEOL 408, GISC 316, GISC 317, GEOL 330, GEOL 350, GEOL 360, and GEOL 499. **Additional Requirements** include one of the following options: GEOL 380 and GEOG 452; or six hours of GEOG 452 or an approved field camp; or GISC 417 and GISC 419. **Program Electives:** 8-9 hours selected from any GEOL 200-level course or above and from GEOG 310, GEOG 391, GISC 417, GISC 419, and BIOL 122/BIOL 123. **Cognate Math and Science:** MATH 136, CHEM 120/121, PHYS 180/181 or PHYS 201, and GEOG 300.

For more details and courses offered in the Colonnade General Education program visit the [website](#).

World Language Requirement: Language Proficiency of novice-high before completing 60 credit hours is required (or completion of 2nd level of a language). Two credits (or equivalent) of a single world language in High School satisfies this WKU requirement.

For more Information: **Department:** Geography and Geology
Website: <https://www.wku.edu/geoweb/>
Phone: (270) 745-4555
Email: geoscience@wku.edu
 Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>