

*Welcome to the Geography and Geology Department at Western Kentucky University
B.A. in Earth Science (#678) (Minor Required)*

Semester-by-Semester Checklist for the **Earth Science Major** - Effective Fall 2017

Course	Credits	Semester	Course	Credit	Semester
FRESHMAN YEAR			FRESHMAN YEAR		
GEOL/G 103 or 111 Science – The Earth	3		GEOL 112 Earth History	3	
GEOL 113 Earth Lab	1		GEOL 114 Earth Lab	1	
MATH 116 Algebra (Colonnade MATH)	3		Colonnade Arts & Hum	3	
HIST 101 or 102 (Colonnade History)	3		COMM 145 (Colonnade Commun)	3	
ENG 100 Writing	3		GEOG 110 Social & Beh	3	
GEOG 175 Freshman	2		Language Colonnade	3	
HOURS	15			16	
SOPHOMORE YEAR			SOPHOMORE YEAR		
Science Lab (METR 121 or GEOG 280 or similar)	3		GEOG 300 Writing (Colonnade Writing)	3	
GEOL 310 Hydrology	3		GEOL 311 Oceanography	3	
GISC 316 Intro GIS	4		CHEM 105/106 Lab	4	
Connections L-Global	3		Connections S&B	3	
Minor Requirement	3		MATH 117 Trig	3	
HOURS	16			16	
JUNIOR YEAR			JUNIOR YEAR		
GEOL 325 Rocks Minrls	3		GEOL 360 Sedi Strat	4	
Minor Requirement	3		Minor Requirement	3	
Geology Elective	3		Minor Requirement	3	
PHYS or BIOL with lab	4		Geology Elective	3	
University Elective	3		University Elective	3	
HOURS	16		HOURS	16	
SENIOR YEAR			SENIOR YEAR		
GEOL 408 Structural	4		University Elective	3	
Minor Requirement	3		Minor Requirement	3	
Colonnade Systems	3		University Elective	3	
			Geology Elective	3	
GEOG 499 Prof Prep	2		Independent Study	1	
HOURS	12		HOURS	13	

- 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 Geology program that can be double-counted. GEOL 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 (33 hours): **CORE COURSES** = GEOL 103 (OR GEOL 111)*, 112*, 113*, 114*, 310, 311, 325, 360, 408, 499 (27 hours); **ELECTIVES** = any 6 hours of approved GEOL or equivalent coursework; **PLUS** MATH 117*, GISC 316, GEOG 300*, BIOL 122/123* OR PHYS 201* OR PHYS 180/181*, CHEM 105/106*, + **MINOR**.