

*Welcome to the Geography and Geology Department at Western Kentucky University  
Professional Geology B.S. (#577)*

Semester-by-Semester Checklist for the Professional Geology Major - Effective Fall 2017

Course	Credits	Semester	Course	Credit	Semester
<b>FRESHMAN YEAR</b>			<b>FRESHMAN YEAR</b>		
GEOL/G 103 or 111	3		GEOL 112 Earth History	3	
GEOL 113 Earth Lab	1		GEOL 114 Earth Lab	1	
ENG 100 Writing	3		MATH 117 Trig	3	
MATH 116 Algebra	3		PHYS 180/181 or 201	4	
HIST 101 or 102	3		COMM 145 Colonnade	3	
GEOG 175 Freshman	2		ENG 200 Literature	3	
<b>HOURS</b>	<b>15</b>			<b>17</b>	
<b>SOPHOMORE YEAR</b>			<b>SOPHOMORE YEAR</b>		
GEOL 270 or 465 Analytical Methods	3		GEOG 300 Writing (Colonnade Writing)	3	
MATH 136 Calculus	4		CHEM 120/121	5	
Language Colonnade	3		GISC 316 Intro GIS	4	
Colonnade Arts Human	3		Connections S&B	3	
GEOG 110 S&B Gen Ed	3				
<b>HOURS</b>	<b>16</b>			<b>15</b>	
<b>JUNIOR YEAR</b>			<b>JUNIOR YEAR</b>		
GISC 317 GIS II	4		GEOL 350 Petrology	4	
GEOL 360 Sed-Strat	4		GEOL 380 Field Method	3	
GEOL 330 Mineralogy	4		GEOL 408 Structural	4	
GEOG 300 Writing	3		Connections Local-Glob	3	
			Independent Research	2	
<b>HOURS</b>	<b>15</b>		<b>HOURS</b>	<b>16</b>	
<b>SENIOR YEAR</b>			<b>SENIOR YEAR</b>		
Connections Systems	3		Geology Elective	3	
Field Course or GIS	3		University Electives	3	
Geology Elective	3		Geology Elective	3	
General Elective	3		University Elective	3	
GEOL 499 Prof Prep	2				
<b>HOURS</b>	<b>14</b>		<b>HOURS</b>	<b>12</b>	

- 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 (52 hours): **CORE COURSES** = GEOL 103 OR GEOL 111\*, 112\*, 113\*, 114\*, 270, 330, 350, 360, 380 AND GEOG 452 OR 452 (6 hrs) OR GISC 417 and 419 (6 hrs), 408, 499, GISC 316, 317 (43 hours);

**ELECTIVES** = any 9 hours of approved GEOL or equivalent coursework; **PLUS** MATH 136\*, GEOG 300\*, PHYS 201\* OR PHYS 180/181\*, CHEM 120/121\*.