

*Welcome to the Geography and Geology Department at Western Kentucky University
Geography and Environmental Studies Professional B.S. (#675 - GRKW)*

Semester-by-Semester Checklist for **Karst Geoscience and Water Resources** - Effective Fall 2017

Course	Credits	Semester	Course	Credit	Semester
FRESHMAN YEAR			FRESHMAN YEAR		
GEOL/G 103 Earth (NS)	3		GEOG 110 Fndtns S&B	3	
ENG 100 Writing	3		MATH 183 Statistics	3	
MATH 116 Algebra (Colonnade MATH)	3		GEOG 280 Env & Sustain Science Lab	4	
HIST 101 or 102 (Colonnade History)	3		COMM 145 (Colonnade Comms)	3	
GEOG 175 Freshman	2		ENG 200 Literature	3	
HOURS	14			16	
SOPHOMORE YEAR			SOPHOMORE YEAR		
MATH 136 Calculus 1	4		GEOG 300 Writing (Colonnade Writing)	3	
GISC 316 GIS Intro	4		GISC 317 GIS II	4	
Language Colonnade	3		CHEM 120	3	
Colonnade Arts Human	3		Connections S&C	3	
GEOG/L 310 Hydrology	3		University Elective	3	
HOURS	17			16	
JUNIOR YEAR			JUNIOR YEAR		
GEOG 391 Spatial Stats	4		GEOG 461 Karst Env	3	
PHYS 201 or BIOL 122	4		Connections Local-Glbl	3	
Connections Systems	3		GEOG 475 Field MCNP	3	
GEOG Major Elective	3		GEOG Major Elective	3	
			University Elective	3	
HOURS	14		HOURS	15	
SENIOR YEAR			SENIOR YEAR		
GEOG 452/475 Field	4		GEOG Major Elective	3	
GEOG Major Elective	3		Independent Research	2	
University Elective	3		University Elective	3	
Independent Research	3		University Elective	3	
GEOG 499 Prof Prep	1		GEOG/WKU Elective	3	
HOURS	14		HOURS	14	

- 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 (52 hours): **CORE COURSES** = GEOG/L 103 (OR GEOL 111)*, 110*, 300*, 316, 317, 391, 452* or 475 or 495, 499 (26 hours); **CONCENTRATION COURSES** = GEOG 280*, 310, 461, 475; **ELECTIVES** = any 13 hours of approved GEOG or equivalent coursework; **PLUS** MATH 136*, MATH 183*, PHYS 201* or BIOL 122*, CHEM 120*.