

*Welcome to the Geography and Geology Department at Western Kentucky University
Geographic Information Science Professional B.S. (#576)*

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

Course	Credits	Semester	Course	Credit	Semester
FRESHMAN YEAR			FRESHMAN YEAR		
GEOL/G 103 Earth	3		GEOG 110 Regional Geo	3	
ENG 100 Writing	3		MATH 117 Trig	3	
MATH 116 Algebra*	3		GISC 216 Technologies	3	
HIST 101 or 102 (Colonnade History)	3		COMM 145 (Colonnade Commun)	3	
GEOG 175 Freshman	2		ENG 200 Literature	3	
HOURS	14			15	
SOPHOMORE YEAR			SOPHOMORE YEAR		
Science Lab (METR 121 or similar)	3		GEOG 300 Writing (Colonnade Writing)	3	
GISC 316 GIS Intro	4		MATH 183 Statistics	3	
Language Colonnade	3		GISC 317 GIS II	4	
Colonnade Arts Human	3		Connections S&B	3	
CE 160/161 Surveying	4		University Elective	3	
HOURS	17			16	
JUNIOR YEAR			JUNIOR YEAR		
GEOG 391 Spatial Stats	4		GISC 414 Remote Sense	4	
GISC 417 GIS Analysis	3		GISC 419 GIS Program	3	
Connections Systems	3		GEOG 475 Internship	3	
CS 180 Computer Sci I	4		GIS Elective	3	
			University Elective	3	
HOURS	14		HOURS	16	
SENIOR YEAR			SENIOR YEAR		
GISC 423 or GISC 477	3		GISC 492 Advanced GIS	3	
GISC 443 Databases	3		GISC 418 Internet GIS	3	
GIS Internship	3		GISC Elective	3	
General Elective	3		University Elective	3	
GEOG 499 Prof Prep	1		Independent Research	3	
HOURS	13		HOURS	15	

- 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. GISC/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 (53 hours): **CORE COURSES** = GEOG/GEOL 103 or GEOL 111*, GEOG 110*, CS 170, GEOG 499 (10 hours); **TECHNIQUE COURSES** (15 HRS) = GEOG 300, 391, GISC 316, 317; **PROFESSIONAL COURSES (28 HRS)** = gisc 414, 417, 418, 419, 443, 423 OR 477, GEOG 492, 475 OR 495; **PLUS** CE 160, 161, CS 180, MATH 116, 117 (or MATH 118), 183.