



BACHELOR of SCIENCE in GEOGRAPHIC INFORMATION SCIENCE (#576)
 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.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	<i>Visit The Learning Center for free tutoring</i> <i>Students whose initial math class is lower than MATH 116 may need additional semesters</i>	GEOG 121 - Meteorology OR GEOL 111/113 – The Earth (with a Lab)	3/4	GEOG 100 – Introduction to the Physical Environment OR GEOL 102 – Introduction to Geology OR GEOL 111 – The Earth
HIST 119 – Western Civ. To 1648 OR HIST 120 – Western Civ. Since 1648		3	GEOG 110 – World Regional Geography	3
MATH 116 – College Algebra		3	MATH 117 - Trigonometry	3
ENG 100 – College Writing		3	COMM 145 – Fundamentals of Public Speaking OR COMM 161 – Business and Professional Speaking	3
GEOG 175 – University Experience		2	General Education Course A-II	3
PE 101		1	SFTY 171 – Safety and First Aid	1
TOTAL CREDIT HOURS		15/ 16	TOTAL CREDIT HOURS	16

SECOND YEAR	Fall Semester		Spring Semester	
	<i>Volunteer or Join a Student Organization like Storm Toppers</i>	CS 146 – Introduction to Programming	3	GEOG 316 – Fundamentals of Geographic Information Systems
MATH 183 – Introductory Statistics		3	CS 180 – Computer Science I	4
General Education Course C		3	General Education Course B	3
General Education Course B		3	ENG 200 – Introduction to Literature	3
CE 160/161 – Principles of Surveying (with a Lab)		4	General Education Course C	3
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	17

WINTER TERM	Winter Term	
	<i>Why not Study Abroad?</i>	
TOTAL CREDIT HOURS		

THIRD YEAR <i>Visit Career Services</i> <i>Talk to your advisor about the summer research opportunities.</i> <i>Internships and/or Study Abroad opportunities are also available.</i>	Fall Semester		Spring Semester	
	GEOG 317 – Geographic Information Systems	4	GEOG 417 – GIS Analysis and Modeling	3
	GEOG 391 – Data Analysis and Interpretation	3	GEOG 300 – Geographic Research and Analysis	3
	GEOG 414 – Remote Sensing Fundamentals	4	GEOG 443 – GIS Databases	3
	ENG 300 – Writing in the Discipline	3	GEOG 418 – Internet GIS OR Geography Elective	3
	University Elective	3	University Elective	3
	TOTAL CREDIT HOURS	17	TOTAL CREDIT HOURS	15

FOURTH YEAR <i>Apply for Graduation</i> <i>Celebrate</i>	Fall Semester		Spring Semester	
	GEOG 419 – GIS Programming	3	GEOG 423 – Transport, Location, and GIS OR GEOG 477 – Special Topics in Geographic Information Systems	3
	GEOG 492 – Advanced Spatial Analysis	3	GEOG Elective (300/400 Level)	3
	GEOG 475 – Selected Topics in Geography OR GEOG 495 – Supervised Practicum	3	GEOG 499 – Professional Preparation (Spring Only)	1
	University Elective	3	University Elective	3
			University Elective	2
	TOTAL CREDIT HOURS	12	TOTAL CREDIT HOURS	12

Total Credit Hours: 120/121

A minimum of 120 Hours total are required in the program, with at least 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. Required and elective courses can be moved from semester to semester to take advantage of courses when offered.

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change. Consult your advisor each semester.

For more Information:

Department: Geography and Geology

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Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>