



**BACHELOR of SCIENCE in GEOLOGY (#677)**

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	
	<p><i>Visit <a href="#">The Learning Center</a> for free tutoring</i></p> <p><i>Students whose initial math class is lower than MATH 116 may need additional semesters</i></p>	GEOL 111/113 – The Earth (with Lab)	4	GEOL 112/114 – Earth History (with a Lab)
HIST 119 – Western Civ. To 1648 <b>OR</b> 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	General Education Course B	3
GEOG 175 – University Experience		2	General Education Course A-II	3
PE 101		1	SFTY 171 – Safety and First Aid	1
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	<b>TOTAL CREDIT HOURS</b>	<b>17</b>

SECOND YEAR	Fall Semester		Spring Semester	
	<p><i>Volunteer or Join a Student Organization like <a href="#">Green Toppers</a></i></p> <p><i>A minor is required with this major. The GIS or Geography Minor are <b>strongly</b> recommended and can reduce the overall hours needed.</i></p>	GEOL 270 – Analytical Techniques in Geology	3	BIOL 122/123 – Evolution, Diversity, and Ecology
MATH 183 – Introductory Statistics		3	MATH 136 - Calculus	4
General Education Course C		3	General Education Course B	3
CHEM 120/121 – College Chemistry I (with a Lab)		5	ENG 200 – Introduction to Literature	3
General Education Course C		3	General Education Course A-III	3
<b>TOTAL CREDIT HOURS</b>		<b>17</b>	<b>TOTAL CREDIT HOURS</b>	<b>17</b>

WINTER TERM	Winter Term	
	<p><i>Why not <a href="#">Study Abroad?</a></i></p>	
<b>TOTAL CREDIT HOURS</b>		

THIRD YEAR	Fall Semester		Spring Semester	
	<i>Visit <a href="#">Career Services</a></i>  <i>Talk to your advisor about the summer research opportunities.</i>  <i>Internships and/or Study Abroad opportunities are also available.</i>	GEOL 308 (Fall Only) – Structural Geology	4	GEOL 350 (Spring Only) - Petrology
GEOL 330 (Fall Only) – Mineralogy		4	GEOL 380 (Spring Only) – Introductory Field Techniques	3
Minor Course		3	PHYS 180/181 – Introduction to Modern Physics (with a Lab)	4
ENG 300 – Writing in the Disciplines		3	GEOG 317 – Geographic Information Systems	4
GEOG 316 – Fundamentals of Geographic Information Systems		4	GEOG OR GEOL 310 – Global Hydrology	3
<b>TOTAL CREDIT HOURS</b>		<b>18</b>	<b>TOTAL CREDIT HOURS</b>	<b>18</b>

FOURTH YEAR	Fall Semester		Spring Semester	
	<i><a href="#">Apply for Graduation</a></i>  <i>Either a 6-hour summer field camp or the GIS Certificate are required to complete the major</i>	GEOG 391 – Data Analysis and Interpretation	3	GEOL 460 – Sedimentology and Stratigraphy
Geology Elective		3	GEOG 419 – GIS Programming <b>OR</b> Field Camp	3
GEOG 417 – GIS Analysis and Moedling <b>OR</b> Field Camp		3	GEOL 499 – Professional Preparation in Geology (Spring Only)	2
Minor Elective (UD)		3	Geology Elective	3
Minor Elective (UD)		3	Geology Elective	3
			Minor Elective (UD)	3
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>17</b>

**Total Credit Hours: 135**

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

**Website:** [www.wku.edu/geoweb](http://www.wku.edu/geoweb)

**Phone:** 270-745-4555

**Email:** Michael.may@wku.edu

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