



Bachelor of Science in Geological Sciences (#5008)

Geology (GEOL) Concentration

Department of Earth, Environmental, and Atmospheric Sciences
 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.

Finish in Four Plan (Sample)

FIRST YEAR (Freshman Year)			
GEOL 111 The Earth (Colonnade Sci. w/Lab)	3	GEOL 112 Earth's Past and Future	3
GEOL 113 The Earth Lab (Colonna. Sci. w/Lab)	1	GEOL 114 Earth's Past and Future Lab	1
ENG 100 Writing (Colonnade College Comp)	3	ENG 200 Literature (Colonnade Literature)	3
COMM 145 (Colonnade Human Communicat.)	3	CHEM 120 & 121 College Chemistry w/Lab	5
HIST 101 or 102 (Colonnade World History)	3	Geology Concentration Elective-1 (GEOL 250)	3
GEOG 175 University Experience	2		
Semester Credit Hours	15	Semester Credit Hours	15

SECOND YEAR (Sophomore Year)			
GEOL 350 Mineralogy & Petrology	4	GEOL 360 Sedimentology and Stratigraphy	4
GEOL 380 Field Techniques	3	Geology Concentration Elective-2	3
MATH 136 Calculus I (Colonnade Qnt. Reason.)	4	MATH 137 Calculus II	4
Colonnade Explorations - Arts & Humanities	3	Colonnade Connections - Social & Cultural	3
Colonnade Explorations - Social & Behavioral	3		
Semester Credit Hours	17	Semester Credit Hours	14

THIRD YEAR (Junior Year)			
PHYS 231 & 232 Physics & Biophysics I w/Lab	4	GEOL 408 Structural Geology	4
GISC 316 Fundamentals of GIS	4	Geology Concentration Elective-4	3
Colonnade Connect. - Systems (GEOL 301/315)	3	GEOG 300 Writing (Colonnade Writing in discip)	3
Geology Concentration Elective-3	3	Colonnade Connections - Local to Global	3
		Geology Concentration Elective-5	3
Semester Credit Hours	14	Semester Credit Hours	16

FOURTH YEAR (Senior Year)			
GEOL 499 Professional Preparation	2	General Elective (GEOL 399)	3
Geology Concentration Elective-6	3	General Elective	3
General Elective (GEOL 399)	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
Semester Credit Hours	14	Semester Credit Hours	15
		Total Credit Hours:	120



Bachelor of Science in Geological Sciences (#5008)
Environmental Earth Science (ENES) Concentration
 Department of Earth, Environmental, and Atmospheric Sciences
 Ogden College of Science and Engineering
 Western Kentucky University

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Finish in Four Plan (Sample)

FIRST YEAR (Freshman Year)			
GEOL 111 The Earth (Colonnade Sci. w/Lab)	3	GEOL 112 Earth's Past and Future	3
GEOL 113 The Earth Lab (Colonna. Sci. w/Lab)	1	GEOL 114 Earth's Past and Future Lab	1
ENG 100 Writing (Colonnade College Comp)	3	ENG 200 Literature (Colonnade Literature)	3
COMM 145 (Colonnade Human Communicat.)	3	CHEM 105 & 106 General Chemistry w/Lab	4
HIST 101 or 102 (Colonnade World History)	3	GEOL 250 Environmental Geology	3
GEOG 175 University Experience	2		
Semester Credit Hours	15	Semester Credit Hours	14

SECOND YEAR (Sophomore Year)			
GEOL 350 Mineralogy & Petrology	4	GEOL 360 Sedimentology and Stratigraphy	4
EES Concentration Elective-1	3	GEOL 310 Hydrology	3
Colonnade Explorations - Arts & Humanities	3	BIOL 207 & 208 General Microbiology w/Lab	4
MATH 183 Statistics (Colonnade Qnt. Reason.)	3	Colonnade Connections - Local to Global	3
Colonnade Explorations - Social & Behavioral	3		
Semester Credit Hours	16	Semester Credit Hours	14

THIRD YEAR (Junior Year)			
GEOL 420 Geomorphology	3	GEOL 408 Structural Geology	4
Colonnade Connect. - Systems (GEOL 301/315)	3	GEOL 415 Applied Environmental Geology	3
GISC 316 Fundamentals of GIS	4	EES Concentration Elective-3	3
EES Concentration Elective-2	3	GEOG 300 Writing (Colonnade Writing in discip)	3
Colonnade Connections - Social & Cultural	3	General Elective (GEOL 399)	3
Semester Credit Hours	16	Semester Credit Hours	16

FOURTH YEAR (Senior Year)			
GEOL 499 Prof Prep	2	General Elective (GEOL 399)	3
General Elective (GEOL 399)	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
Semester Credit Hours	14	Semester Credit Hours	15
		Total Credit Hours:	120



Bachelor of Science in Geological Sciences (#5008)

General (GGEN) Concentration

Department of Earth, Environmental, and Atmospheric Sciences
 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.

Finish in Four Plan (Sample)

FIRST YEAR (Freshman Year)			
GEOL 111 The Earth (Colonnade Sci. w/Lab)	3	GEOL 112 Earth's Past and Future	3
GEOL 113 The Earth Lab (Colonna. Sci. w/Lab)	1	GEOL 114 Earth's Past and Future Lab	1
ENG 100 Writing (Colonnade College Comp)	3	ENG 200 Literature (Colonnade Literature)	3
COMM 145 (Colonnade Human Communicat.)	3	CHEM 120 & 121 College Chemistry w/Lab	5
HIST 101 or 102 (Colonnade World History)	3	Course in 2nd Major or Minor	3
GEOG 175 University Experience	2		
Semester Credit Hours	15	Semester Credit Hours	15

SECOND YEAR (Sophomore Year)			
GEOL 350 Mineralogy & Petrology	4	GEOL 360 Sedimentology and Stratigraphy	4
MATH 115/116/183/136	3	General Concentration Elective-2	3
General Concentration Elective-1	3	Course in 2nd Major or Minor	3
Colonnade Explorations - Arts & Humanities	3	Colonnade Connections - Social & Cultural	3
Colonnade Explorations - Social & Behavioral	3	Course in 2nd Major or Minor	3
Semester Credit Hours	16	Semester Credit Hours	16

THIRD YEAR (Junior Year)			
Cognate science requirements w/Lab	4	GEOL 408 Structural Geology	4
Course in 2nd Major or Minor	3	Course in 2nd Major or Minor	3
Colonnade Connect. - Systems (GEOL 301/315)	3	ENG 300/GEOG 300 Writing (Colonnade)	3
General Concentration Elective-3	3	Colonnade Connections - Local to Global	3
		Course in 2nd Major or Minor	3
Semester Credit Hours	13	Semester Credit Hours	16

FOURTH YEAR (Senior Year)			
GEOL 499 Professional Preparation	2	General Elective	3
Course in 2nd Major or Minor	3	General Elective	3
Course in 2nd Major or Minor	3	General Elective	3
General Elective	3	General Elective	3
General Elective	3	General Elective	3
Semester Credit Hours	14	Semester Credit Hours	15
		Total Credit Hours:	120