

**COLLEGE OF SCIENCE – B.S. GEOLOGY MAJOR with ENVIRONMENTAL GEOSCIENCE EMPHASIS**

*Course offerings are subject to change semesters. Please consult each semester's schedule of courses for availability.*

**A 2.00 GPA is required for graduation.**

**COMPLETED MAJOR SPECIFIC REQUIREMENTS**

<b>Geology Requirements</b>	<b>Semester</b>	<b>Hrs</b>	<b>Grade</b>
GLY 200 Physical Geology (Coreq GLY 210L)	Fall and Spring	3	_____
GLY 210L Earth Materials Lab (Coreq GLY 200)	Fall and Spring	1	_____
GLY 201 Historical Geology (Prereq. GLY 200; Coreq GLY 211L)	Spring	3	_____
GLY 211L Hist Geology Lab (Prereq. GLY 210L; Coreq GLY 201)	Spring	1	_____
GLY 212 Geological Field Mapping (Prereq. GLY 200)	Fall Even	3	_____
GLY 313 Structural Geology (Prereq. GLY 200, 212)	Spring Odd years	4	_____
GLY 314 Mineralogy (Prereq GLY 200; CHM 211 217)	Fall Odd years	4	_____
GLY 320L Lab techniques in Geology (Prereq GLY 210L)	Fall Even years	2	_____
GLY 325 Stratigraphy & Sedimentation (Prereq. GLY 201)	Fall Even years	4	_____
GLY 421 Petrology (Prereq. GLY 314) <b>OR</b>	Spring Even years		
GLY 423 Sedimentary (Prereq. GLY 200 & 210L; Coreq 314)	Fall Odd years	4	_____
GLY 420 Geochemistry		3	_____
(Prereq GLY 200; CHM 211 212)	Spring Odd years		
GLY 426 Geophysics (12 hrs. in GLY)	Spring Odd years	3	_____
GLY 451 Geomorphology (Prereq. GLY 200 and 210L)	Fall Odd years	4	_____
GLY 455 Hydrogeology (Prereq. GLY 200; Coreq GLY 455L)	Spring Odd years	3	_____
GLY 455L Hydrogeology Lab (Coreq GLY 455)	Spring Odd years	1	_____
GLY 456 Environmental (Prereq. GLY 200)	Spring Even years	4	_____
GLY 457 Engineering Geology (Prereq. GLY 200 210L 451 & 451L)	Fall Even years	4	_____
GLY 491/492 Capstone (permission)		2	_____
			<b>Total Geology hours 53</b>
<b>Mathematics Requirements</b>	MTH 229 Calculus I	5	_____
			<b>Total Math hours 5</b>
<b>Non-GLY Requirements</b>			
CHM 211 Chem I (Pre-reqs: ACT 23 or higher <b>OR</b> CHM 111 with C or better) & 217, Lab		3, 2	_____
CHM 212 Chem II (Pre-reqs: C or better in CHM 211) & 218, Lab		3, 2	_____
PHY 201 & 202 Physics I & Lab		3, 1	_____
(Pre-reqs: ACT MTH 27 or higher; MTH 229, 132; <b>OR</b> 127/130/140 <b>and</b> 122)			
PHY 203 & 204 Physics I & Lab (Pre-reqs: PHY 201 with C or better)		3, 1	_____
PS 410 Remote Sensing		4	_____
ENG 354 Scientific & Technical Writing		3	_____
GEO 222 Global Environmental Issues		3	_____
GEO 429 Intermediate GIS – Vector Analysis		3	_____
			<b>Total Non-Geology hours 31</b>
			<b>TOTAL MAJOR HOURS 89</b>

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