

COLLEGE OF SCIENCE – B.S. GEOLOGY MAJOR with ENGINEERING GEOLOGY 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

<u> </u> Geology Requirements	Semester	Hrs	Grade
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 Histl Geology Lab (Prereq. GLY 210L; Coreq GLY 201)	Spring	1	_____
GLY 212 Introduction to Field Methods (Prereq. GLY 110 or 200; 210L)	Fall Even years	3	_____
GLY 313 Structural Geology (Prereq. GLY 212)	Fall Even years	4	_____
GLY 314 Mineralogy (Prereq GLY 200; CHM 211)	Fall Odd years	4	_____
GLY 325 Stratigraphy & Sedimentation (Prereq. GLY 201)	Fall Even years	4	_____
GLY 330 Tectonics	Spring Odd years	3	_____
OR			
GLY 426 Geophysics	Spring Even years		
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)	Fall Even years	4	_____
GLY 491/492 Capstone (permission)		2	_____

Total Geology hours 44

Engineering Requirements (15 hours in engineering is required for an engineering minor.)

ENGR 111 Intro to Engineering	3	_____
ENGR 213 Statics (Prereq MTH 229)	3	_____
ENGR 216 Mechanics of Materials	3	_____
CE 322 Soil Mechanics (Prereq. ENGR 216 & GLY 200)	3	_____

Total Engineering hours 12

Mathematics Requirements MTH 229 Calculus I 5 _____ MTH 230 Calculus II 4 _____

Total Mathematics hours 9

Non-GLY Requirements

CHM 211 Chem I (Pre-reqs: ACT 23 or higher OR 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 211 & 202 Physics I & Lab (Pre-reqs: MTH 229)	4, 1	_____	_____
PHY 213 & 204 Physics II & Lab (Pre-reqs: PHY 211 with C or higher)	4, 1	_____	_____
ENG 354 Scientific & Technical Writing 3 _____			

Total Non-Geology hours 23

TOTAL MAJOR HOURS 88

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CATALOG: 2015 – 2016