

**BACHELOR OF SCIENCE IN GEOLOGY - ENGINEERING GEOLOGY OPTION**  
**UNOFFICIAL**

**CATALOG 133**

Fall		(Th-Pr)	Cr	Spring		(Th-Pr)	Cr
Freshman Year							
CHEM 101	Fund. of Chemistry I	(3-0)	3	CHEM 102	Fund. of Chemistry II	(3-0)	3
CHEM 111	Fund. of Chemistry I LAB	(0-3)	1	CHEM 112	Fund. of Chemistry II LAB	(0-3)	1
GEOL 104	Physical Geology	(3-3)	4	GEOL 106	Historical Geology	(3-3)	4
MATH 151	Engineering Math. I	(3-2)	4	MATH 152	Engineering Math. II	(3-2)	4
ENGL 104	Comp. and Rhetoric	(3-0)	3		Communications elective <sup>1</sup>		3
			15				15
Sophomore Year							
GEOL 203	Mineralogy	(2-6)	4	GEOL 302	Introduction to Petrology	(3-3)	4
GEOP 341	Introduction to Global Geophysics	(3-0)	3	GEOL 309	Introduction to Geologic Field Methods	(1-6)	3
MATH 251	Engineering Math. III	(3-0)	3	MATH 308	Differential Equations	(3-0)	3
PHYS 218	Mechanics	(3-3)	4	PHYS 219	Electricity	(3-3)	4
			14				14
Junior Year							
GEOL 304	Igneous and Metamorphic Petrology	(3-3)	4	GEOL 306	Sedimentology and Stratigraphy	(3-3)	4
GEOL 305	Paleobiology	(2-3)	3	GEOL 312	Structural Geology and Tectonics	(3-3)	4
	U.S. history or political science elective <sup>1</sup>		3	GEOL 451	Geochemistry	(3-0)	3
	Humanities elective <sup>3</sup>		3		U.S. history or political science electives <sup>1</sup>		3
*KINE 198	Health and Fitness Activity	(0-2)	1	GEOL 311	Principles of Geological Writing	(1-0)	1
			14				15
SUMMER FIELD STUDIES							
GEOL 300 Field Geology Credit 6							
Senior Year							
GEOL 410	Hydrogeology	(3-0)	3		Technical elective <sup>2</sup>		5
GEOL 440	Engineering Geology	(2-3)	3		U.S. history or political science electives <sup>1</sup>		3
	Technical electives <sup>2</sup>		3		Social and behavioral sciences elective <sup>3</sup>		3
	U.S. history or political science elective <sup>1</sup>		3	*KINE 199	Required Physical Activity		1
	Visual and performing arts elective <sup>3</sup>		3				
			15				12
Total Credits							120

**Notes**

- 1 These electives must be selected from the approved list of courses satisfying the University Core Curriculum.
- 2 Any science, math, or engineering course that augments the degree with the approval of the advisor.
- 3 These electives must be selected from the approved list of courses satisfying the University Core Curriculum AND 6 hours must be selected from courses that also satisfy the International and Cultural diversity requirement.

\* See page 21 of catalog 133.

**ALL STUDENTS MUST FULFILL TWO WRITING INTENSIVE COURSES  
WITHIN THEIR MAJOR**

