

**GEOLOGY**

CODE: S410 (400601-01)

Bachelor of Science in Geology

Freshman Year							
First Semester			Credit	Second Semester		Credit	
ENGL	101	Rhet and Comp .....	3	CHEM	107	General Chemistry I .....	3
GEOL	111	Physical Geol <sup>1</sup> .....	4	ENGL	102	Comp and Lit .....	3
MATH	270	Calculus I <sup>3</sup> .....	4	GEOL	112	Historical <sup>1</sup> .....	4
		Elective (ARTS) <sup>2</sup> .....	3	MATH	301	Calculus II <sup>4</sup> .....	4-6
			14				14-16
Sophomore Year							
BIOL	101	Prin. of Biology I: .....	3	CMCN	200	Fund of Speech Cmcn .....	3
BIOL	103	Prin. Biology I Lab .....	1	ENGL	304	Vocabulary Dev .....	3
GEOL	291	Mineralogy .....	4	ENGL	365	Technical Writing .....	3
		Elective (LIT) <sup>5</sup> .....	3	GEOL	292	Petrology .....	4
		Elective (HIST) <sup>5</sup> .....	3	PHYC	207	Intro Phys I .....	3
			14				16
Junior Year							
GEOL	314	Structural Geol .....	4	GEOL	341	Stratigraphy .....	3
GEOL	330	Field and Lab Methods .....	1	GEOL	450	Landscape Evol. ....	3
GEOL	339	Sed Petrology .....	3	GEOL	437	Comp Appl Geol .....	3
PHYS	208	Intro Phys II .....	3	PHYS	218	Intro Phys II Lab .....	1
PHYS	217	Intro Phys I Lab .....	1			Concentration Elective <sup>6</sup> .....	3
		Concentration Elective <sup>6</sup> .....	4			Elective .....	2
			16				15
Summer Session							
GEOL	400	Geology Field Camp .....	6				
Senior Year							
GEOL	435	Analysis Geol Data .....	3	ECON	300	Fundamentals of Econ	
GEOL	433	Clay Mineralogy .....	3			or	
		Concentration Elective <sup>6</sup> .....	3	ECON	404	Economics of Energy .....	3
		Elective (BHSC) <sup>7</sup> .....	3	GEOL	499	Geology Seminar .....	1
		Elective (GEOL) <sup>8</sup> .....	3			Concentration Elective <sup>6</sup> .....	6
			15				15
							2

<sup>1</sup>Geology majors must pass Physical and Historical Geology with grades of C or better.<sup>2</sup>ARTS elective must be from DANC, MUS, THEA, or VIAR.<sup>3</sup>Students who meet criteria set by the Department of Mathematics may register for MATH 270, Calculus I, upon entry. Those who do not meet these qualifications must take MATH 109, Algebra, and or MATH 110, Trigonometry, and are advised to complete these courses in the summer semester prior to the freshman year.<sup>4</sup>With approval of the Department of Geology, TWO of the following may be substituted for MATH 301: STAT 427, STAT 428, GIS 305, GIS 405, or RRES 406, provided that the student satisfies core curriculum requirements by taking six hours of mathematics. NOTE: most graduate programs and many professional careers require the second calculus course.<sup>5</sup>Consult Geology advisor for approved list.<sup>6</sup>Concentrations: environmental geology, petroleum geology. A list of courses that satisfy concentration electives is available from the advisors.<sup>7</sup>BHSC Elective must be chosen from ANTH, ECON, GEOG, POLS, PSYC, or SOCI, with at least one course at the 200-level or above.<sup>8</sup>100 and 200 level Geology courses, 300-level Geology field trips, GEOL 305 and GEOL 325 may not be used to satisfy Geology elective requirements.<sup>9</sup>Must be chosen from HIST, MODL, LITERATURE (in English or foreign language), or PHIL.