De	chelor of Science (BS) gree Code 259* ncentration Code 259		-2015		-	of Study for Geology Majors GEOLOGY CONCENTRATION
١.	GENERAL EDUCATION	CURRICULUM				
		102/1120 fulfill Science Inquiry perspectiv				
11.	2.0 major GPA is required f	TS (not including 12 hours counted in Area I) . or graduation. Major GPA calculation will inc ours of courses taken to fulfill major requirer	lude <u>all</u> courses ta	ken in the major d	epartment,	
Α.	Choose one 1000-leve GLY 1101 (4) GLY 1102 (4)	Irses (19 semester hours) I geology course: Introduction to Physical Geology Introduction to Historical Geology Environmental Change, Hazards, & R Evolution of the Earth (<i>Pre: GLY 1101,1</i> Preparation of Geologic Reports [W Principles of Structural Geology and	esources 102,1103,1104, or . ID] (Pre: ENG 2002	1, GLY 2250)		Water: Mountains to Sea Oceanography
	GLY 3800 (3) GLY 4210 (1)	Sedimentology and Stratigraphy (Pre Geology Seminar [CAP] (Pre: Sr. standi	e: GLY 2250)	527 2230, 27 13)		
в.	Environmental Geology courses (21 semester hours)					
	GLY 3131 (3) GLY 3160 (3)	Geochemistry (Pre: GLY 2250, CHE 1101/1 Introduction to Geophysics (Pre/Co: Gu Issues in Environmental Geology (Pre Hydrogeology (Pre: 6 s.h. GLY ≥ 2000; Jr. s Advanced Environmental and Engine	LY 1101,1102,1103, : Science Inquiry mo tanding)	et)		
Plu	is choose 6 sh from th	e following:				
	GLY 3025 (3) GLY 3220 (3) GLY 3333 (3) GLY 3680 (3) GLY 3715 (3) GLY 4501 (1-3) GLY 4510 (3)	Principles of Paleontology (Pre: GLY 22 Fundamentals of Mineralogy (Pre: GL) Geomorphology (Pre: 6 sh GLY)) Geoarchaeology (Pre: 4 sh GLY) Petrology and Petrography (Pre: CHE 1 Senior Research (Pre: Sr standing; min GP Senior Honors Thesis (Pre: GLY 4501; Sr. Summer Field Geology (Pre: GLY 3150, 5	′ 2250) 101/1110; GLY 225 A 3.25 in GLY) standing; min GPA	0, 2745, 3220)		
С.	CHE 1101/1110 CHE 1102/1120 GLY/ENV 3455 Or CS 1440 Or CS 1445 MAT 1110(4)	sics courses (22-23 semester hours)_(4)Introductory Chemistry I & L_(4)Introductory Chemistry II &_(3)Quantitative Data Analysis f_(4)Computer Science I (Pre: MAT_(4)Intro to Programming w/IntCalculus with Analytic Geometry I (PrGeneral Physics I (Co: MAT 1020/1025)Introduction to Statistics (Pre: MAT 10	Lab (Pre: CHE 110 or Earth & Envi 1020/1025 w/mini erdisciplinary A re: MAT 1025 w/mini	ronmental Scie imum grade "C-") pplications (Pre		
D.	Associated Environme ECO 2620 (3) FIN 3010 (3) Elec(3)	ental Electives (Choose 12 semester Environmental & Resource Econon Survey of Finance Advisor approved, computer inten	nics	LAW 2150 MGT 3010	(3) Su	gal Environment of Business urvey of Management ate and Local Government
E.	Courses in Cartograph	y & Geographic Information System	s (GIS) (Choose	12 semester h	ours fron	n the following)
	GHY 2812 (3) GHY 3310 (3) GHY 4814 (3) During the senior year, to comprehensive examina	Geospatial Data & Technology Environmental Remote Sensing Principles of GeoComputation (Pre: C the B.S. Geology with an Environmental Ge tion covering theoretical and practical asp retake the appropriate portion(s) up to tw	GHY 3812) eology concentra pects of areas of g	GHY 3812 GHY 4812 tion student mus geology. Student	_ (3) Intr _ (3) Adv at take and as who are	ro to GIS (Pre: GHY 2310, 2812) vanced GIS (Pre: GHY 3812) achieve a satisfactory score on a

III. MINOR (optional)

IV.	ELECTIVES (taken to total 122 hours for the degree)	3- <u>4</u>
	2 semester hours of free electives must be outside the major discipline.	122

Total major requirements – 86-87; Gen Ed courses that may count in major (depends on choices) – 12; net major 74-75 hours;