De	achelor of Science egree Code 259* oncentration Co	*	-	on-Teaching	2017-2018	3	•	of Study for Geology Majors QUANTITATIVE GEOSCIENCE			
I.					ce Inquiry. MAT 1110 fulfil			44			
П.	MAJOR REOUIF	REME	NTS (not including 12 hours	counted in Area I. above)						
	2.0 major GPA is re	equired	for gr	aduation. Major GPA ca		rses taken in the majo	or departmer	nt, plus any other courses under II.			
A.	Geology (31 sei			•							
	Choose one 100		-								
		- • •		oduction to Physica		GLY 1104_		Water: Mountains to Sea			
	GLY 1102			oduction to Historic		GLY 1105_	(4)	Oceanography			
	GLY 1103	(4)	Env	ironmental Change,	Hazards, & Resources						
			- · ·		rth (Pre: GLY 1101, 1102, 11						
			- · ·	•	logic Reports [WID] (Pre						
			- · ·		ural Geology and Tecto						
			- · ·		lineralogy (Pre/Co: GLY 274						
					ography (Pre: CHE 1101 & 1		3220)				
					Stratigraphy (Pre: GLY 22	250 & 2745)					
			- • •	•. •	CAP] (Pre: Senior Standing)	e					
	GLY 4835		_(6)	Summer Field Geol	ogy or other approved	field course (Pre: G	LY 3150, 371	5, 3800)			
в.				concentration (18 s							
			- · ·		chemistry (Pre: GLY 2250;						
			- · ·		ophysics (Pre: 1 intro GLY; F						
					Analysis for Earth & Env		MAT 1110; PH	1 Y 1150)			
	GLY 4630		- · ·		GLY 2250; MAT 1110; PHY 11						
	GLY 4705		- · ·		gy (Pre: 6 s.h. GLY ≥ 2000; Jr.	standing)					
	GLY 3025			e following courses							
	GLY 3333			Geomorphology (Pr	ntology (Pre: GLY 2250; 6 sh	$BIO OF ANT \ge 2000 \text{ Iev}$	verj				
	GLY 3680			Geoarchaeology (Pr							
	GLY 4501				re: Sr. standing; min GPA 3.2	5 in GLV)					
	GLY 4510				sis (Pre: GLY 4501; Sr. standir		(Y)				
c.			_ 、 /			- <u>-</u> ,	.,				
с.		Mathematics/Chemistry/Physics/Statistics (39 hours) (Taking all 5 math courses will earn the math minor. The extra MAT course will count as a non-GLY course elective below.)									
	MAT 1110		(4)	Calculus with Analy	tic Geometry I (Pre: MAT	1025 w/min grade C-,)				
	MAT 1120		_ (4)	Calculus with Analy	tic Geometry II (Pre: MA	T 1110 w/min grade oj	f C-)				
	MAT 2130		_ (4)	Calculus with Analy	tic Geometry III (Pre: MA	T 1120 w/min grade o	of C-)				
	MAT 2240		_ (3)	Intro to Linear Alge	bra (Pre: MAT 1120) OR	MAT 3130	(3) Intr	ro to Differential Equations (Pre: MAT 1120)			
	CHE 1101/1110		- · ·		Lab (Pre: MAT 1020 or high						
	CHE 1102/1120		- • •		& Lab (Pre: CHE 1101/1110;	MAT 1020 or higher)					
	PHY 1150		- • •	Analytical Physics I							
	PHY 1151		- · ·	Analytical Physics I							
	STT 2810		- · ·		tistics (Pre: MAT 1010 or hi	gher)					
		least 3		irs from the followi	-						
	STT 3820		- · ·	Statistical Methods							
	CS 1440				(Pre: MAT 1020/1025 w/min		AAT 4000 / - 0				
					omputational or statistic			PREHENSIVE EXAMINATION			
	covering theoreti	ical and	d prac		of geology. Students who			all of the examination may retake			

III. MINOR (optional)

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