

Name:
Student ID:
Date Admitted Into Major:

## **BACHELOR OF SCIENCE**

GEOLOGICAL S	CIENCES
EARTH RESOURCES COM	NCENTRATIO
GENERAL EDUCATION REQUIREMENTS	

## Competencies → Reading Comprehension ◆General Education Categories (34-35 credits total) First Year Seminar **◆FYS** ♦W-I Written Communication - Level I 3 3 **♦**OC Oral Communication **PGR** Personal Growth & Responsibility 3 CEA Creative Expression & Appreciation 3 WC World Cultures 3 HP The Human Past 3 CS Contemporary Society 3 # Any SR course 3-4 Scientific SR Reasoning: # SR Lab course 4 QR Quantitative Reasoning 3 **‡ Written Communication (Level II and Level III)** W-II Written Communication - Level II W-III Written Communication - Level III Free Electives (15 credits minimum) May be necessary to take additional credits to attain the minimum 120 credits required for graduation depending on choices made for general education or minor selection.

COURSES IN MAJOR (49-50 credits total)	
Major Core Courses (31 credits)	

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GLS	100	Dynamic Earth	4	
GLS	102	Evolving Earth	4	
GLS	210	Geomorphology	4	
GLS	221	Mineralogy	4	
GLS	253	Geochemistry	3	
GLS	322	Petrology	4	
GLS	334	Sedimentation & Stratigraphy	4	
GLS	341	Structural Geology & Tectonics	4	
	Major (	Concentration Courses (9-10 cred	lits)	
Choose	three	courses from the following list:		
GLS	222	Gemology	3	
GLS	231	Earth System Cycles	3	
GLS	351	Energy & Natural Resources in the Earth	3	
GLS	352	Petroleum Geology	3	
GLS	356	Hydrology	4	
IDS	366	Energy and the Environment	3	
Major Capstone Courses (9 credits)				
†GLS	470	Field Geology I	3	
†GLS	485	Field Geology II	3	
GLS	500	Senior Research in Geology	3	

## ▼ Required Support Courses (17-20 credits total)

	Choose one course from the following list:				
	MAT	110	Pre-calculus	3	
	MAT	220	Calculus I	4	
	MAT	147	Statistics	3	
► And required lab sequence					

## And required lab sequence

		Lab Sequence I	4	
		Lab Sequence II	4	
	And ch ¶GPH:	wo courses from BIO, CHE, PHS, MA	AT, or	
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♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

Effective: 9/2016

- ▼ Students may choose to use support courses to satisfy general education categories, but may not be required to do so. Note: If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does not reduce the credit total required for graduation.
- Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline. #
- Level II and Level III Written Communications Courses may be used to satisfy requirements anywhere else in a student's program of study where they may ± apply. The credits are counted only in one area.
- 6 credits must be earned in any combination of GLS 470 or GLS 485.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

Minor (Optional):

- Science sequence must be chosen from the following list: BIO121/BIO122, BIO131/BIO132, BIO115H/BIO116H, CHE120/CHE121, CHE130/CHE131, CHE130/CHE212, PHS101/PHS102, PHS211A/PHS212A, PHS221/ PHS222
- Acceptable GPH courses include: 340, 343, or 446