

Name: \_\_\_\_\_  
 Student ID: \_\_\_\_\_  
 Date Admitted Into Major: \_\_\_\_\_

**BACHELOR OF SCIENCE  
 GEOLOGICAL SCIENCES  
 APPLIED GEOSCIENCES: SUSTAINABILITY CONCENTRATION**

**GENERAL EDUCATION REQUIREMENTS**

**Competencies**

<input type="checkbox"/>	◆ Basic College Math
<input type="checkbox"/>	◆ Reading Comprehension

**◆ General Education Categories (34-35 credits total)**

◆FYS	First Year Seminar			3	
◆W-I	Written Communication - Level I			3	
◆OC	Oral Communication			3	
PGR	Personal Growth & Responsibility			3	
CEA	Creative Expression & Appreciation			3	
WC	World Cultures			3	
HP	The Human Past			3	
CS	Contemporary Society			3	
SR	Scientific Reasoning:	# Any SR course		3-4	
		# SR Lab course		4	
QR	Quantitative Reasoning			3	

**‡ Written Communication (Level II and Level III) and Diversity, Power Dynamics and Social Justice**

W-II	Written Communication - Level II				<input type="checkbox"/>
W-III	Written Communication - Level III				<input type="checkbox"/>
DPDS	Diversity, Power Dynamics and Social Justice				<input type="checkbox"/>

**Free Electives (13 credits minimum)**

Additional free elective credits beyond the credits listed may be required based on the use of support courses to satisfy General Education Category requirements.


**Minor (Optional):**


**COURSES IN MAJOR (45-48 credits total)**

**Major Core Courses (24 credits)**

Choose one course from the following:

GLS	100	Dynamic Earth	4	
GLS	101	Exploring Earth	4	
GLS	102	Evolving Earth	4	
GLS	170H	Honors Dynamic Earth	4	
GLS	171H	Honors Evolving Earth	4	

Choose one course from the following:

GLS	109	Water Sustainability	4	
GLS	103	Blue Planet	4	

And all of the following:

GLS	210	Geomorphology	4	
GLS	216	Rocks and Minerals	4	
GLS	334	Sedimentary Environments and the Stratigraphic Record	4	
GLS	341	Structural Geology	4	

**Major Concentration Courses (12-15 credits)**

GLS	357	Environmental Geology	3	
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† And choose three courses from the list provided:


**Major Capstone Courses (9 credits)**

GLS	470	Field Geology I	3	
GLS	485	Field Geology II	3	
GLS	500	Senior Research in Geology I	3	

**◆ Required Support Courses (20-24 credits)**

CHE	130	General Chemistry I	4	
CHE	131	General Chemistry II	4	

Choose two courses from the following list:

MAT	150	Pre-Calculus	3	
MAT	147	Statistics	3	
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	

And choose two courses from BIO, CHE, PHS, MAT or GPH (340, 343, 344, or 446)


◆ 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, Level III Written Communications and Diversity, Power Dynamics and Social Justice 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.

† Major Concentration Courses can be chosen from: GLS 212, GLS 225, GLS 253, GLS 255, GLS 295, GLS 342, GLS 346, GLS 351, GLS 356, GLS 380, GLS 365, GLS 501, GPH 340, GPH 344

◆ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS	◆ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS
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Exceptions in the timing of courses will be made for transfer students