

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

Exceptions in the timing of courses will be made for transfer students

Total credits for graduation: 120

Effective: 9/2019