# Esalem | STATE UNIVERSITY

Name:

Student ID:

Date Admitted Into Major:

## BACHELOR OF SCIENCE GEOLOGICAL SCIENCES GEOTECHNOLOGY CONCENTRATION

#### GENERAL EDUCATION REQUIREMENTS

Competencies

Asic College Math

Reading Comprehension

### \*General Education Categories (34-35 credits total)

♦FYS	First Year Ser	minar			3	
♦W-I	Written Comm	nunication - Level I			3	
+OC	Oral Commun	nication			3	
PGR	Personal Gro	wth & Responsibility			3	
CEA	Creative Expr	ession & Appreciation			3	
WC	World Culture	S			3	
HP	The Human F	'ast			3	
CS	Contemporar	y Society			3	
SR	Scientific				3-4	
on	Reasoning:				4	
QR	Quantitative Reasoning 3					
	‡ Written C	ommunication (Lev	el II and	Level I	II)	
W-II	Written Comm				]	
W-III	Written Comm	nunication - Level III				]

	Free Electives (9 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.									
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Minor (Optional):										

Major Core Courses (51 creans)									
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						
Ν	Aajor C	Concentration Courses (11-12 cred	its)						
Choose three courses from the following list:									
GLS	101	Field Studies in Earth Science	4						
GLS	343	Intro to Geophysics	4						
GLS	345	Geological Engineering	3						
GLS	356	Hydrology	4						
GLS	372	Surveying I	4						
GLS	373	Surveying II	4						
GLS	380	Applied Env. Geophysics	4						
		jor Capstone Courses (9 credits)							
†GLS	470	Field Geology I	3						
†GLS	485	Field Geology II	3						
GLS	500	Senior Research in Geology	3						

COURSES IN MAJOR (51-52 credits total) Maior Core Courses (31 credits)

#### • Required Support Courses (20-24 credits total)

Choose two courses	from the	following	list:
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♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

MAT	110	Pre-calculus	3						
MAT	220	Calculus I	4						
MAT	221	Calculus II	4						
MAT	147	Statistics	3						
And	l require	ed lab sequence							
	Lab Sequence I								
	Lab Sequence II								
And tw	vo cour	ses from BIO, CHE, PHS, MAT or ¶G	iPH:						

• 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.

►	Scie	nce sequ	ience must	be chosen f	rom the	e follow	ving list:	BIC	121/BIO122	BIO131/BIO132,	, BIO115H/BIO11	6H, CHE	120/CHE121,	CHE130/C	HE131,
-		CHE13	0/CHE212,	PHS101/PH	IS102,	PHS21	11Ā/PHS	212	A, PHS221/	PHS222					

- t 6 credits must be earned in any combination of GLS 470 or GLS 485.
- ¶ Choose from GPH 340, 343, or 446.

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♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

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