

Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE

GEOLOGICAL	S	CIENCES
EARTH POLICY COI	ICE	NTRATION
GENERAL EDUCATION REQUIREMENTS		

◆ Basic College Math ◆ Reading Comprehension ◆General Education Categories (34-35 credits total) **♦**FYS First Year Seminar Written Communication - Level I ♦W-I 3 **♦**OC Oral Communication 3 PGR Personal Growth & Responsibility 3 Creative Expression & Appreciation

Competencies

OEA Croditive Expression & Appression							
WC	World Culture	S		3			
HP	The Human P	ast		3			
CS	Contemporary		3				
SR	Scientific	# Any SR course		3-4			
SIX	Reasoning:	# SR Lab course		4			
QR	Quantitative F	Reasoning		3			
Written Communication (Level II and Level III)							

W-II Written Communication - Level II W-III Written Communication - Level III

Free Electives (10 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.

Minor (Optional):									

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

major coro courses (or crounts)									
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	4								
Major Concentration Courses (9 credits)									
Choose	e three	courses from the following list:							
GPH	473	Planning Policy & Dec. Making	3						
HST	210	Legal History	3						
POL	304	Environmental Politics	3						
IDS	IDS 366 Energy and the Environment								
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 (23-26 credits total)

PHL	224	Environmental Ethics	3					
ECO	319	Env. & Nat. Resource Economics	3					
► And	► And required lab sequence							
	Lab Sequence I							
	Lab Sequence II							
Choose one course from the following list:								
MAT	110	Pre-calculus	3					
MAT	220	Calculus I	4					
MAT	147	Statistics	3					
And choose two courses from BIO, CHE, PHS, MAT, or ¶GPH:								
	•							

- ▼ 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.
- t 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.
- Acceptable GPH courses include: 340, 343, or 446
- 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

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE GEOLOGICAL SCIENCES

		EARTH	RESOURCES	CONC	ENTRATIO	ON	
	GENERAL EDUCATION RE	QUIREMENTS				COU	RSES IN MAJOR (49-50 cre
						N	Major Core Courses (31 cre
	Competencies	3			GLS	100	Dynamic Earth
☐ ◆ Ba	asic College Math				GLS	102	Evolving Earth
□ + Re	eading Comprehension				GLS	210	Geomorphology
					GLS	221	Mineralogy
					GLS	253	Geochemistry
	♣ General Education Categories	(34-35 credits t	otal)		GLS	322	Petrology
♦FYS	First Year Seminar	<u> </u>	3		GLS	334	Sedimentation & Stratigrap
♦W-I	Written Communication - Level I		3		GLS	341	Structural Geology & Tector
+OC	Oral Communication		3				Concentration Courses (9-
PGR	Personal Growth & Responsibility		3				courses from the following li
CEA	Creative Expression & Appreciation		3		GLS	222	Gemology
WC	World Cultures		3		GLS	231	Earth System Cycles
HP	The Human Past		3		GLS	351	Energy & Natural Resourc
CS	Contemporary Society		3		01.0		the Earth
CD	Scientific # Any SR course		3-4		GLS	352	Petroleum Geology
SR	Reasoning: # SR Lab course		4		GLS	356	Hydrology
QR	Quantitative Reasoning		3		IDS	366	Energy and the Environme
	‡ Written Communication (Lev	el II and Level	III)		†GLS	470	ijor Capstone Courses (9 c Field Geology I
W-II	Written Communication - Level II		ÍП		+GLS	485	Field Geology II
					GLS	500	Senior Research in Geolog
W-III	Written Communication - Level III				020	000	Comor research in Seciet
					∀ R	equire	ed Support Courses (17-20
	Free Electives (15 credits	s minimum)		I	Choose	e one c	ourse from the following list:
May be	necessary to take additional credits to	attain the minimur	n 120 credits		MAT	110	Pre-calculus
	ed for graduation depending on choices				MAT	220	Calculus I
	minor selection.				MAT	147	Statistics
					► And	require	ed lab sequence
							Lab Sequence I
			1				Lab Sequence II
					And ch	oose tv	vo courses from BIO, CHE, F
1 1	1			1 1	1		

AJOR (49-50 credits total) Courses (31 credits)

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 credits) 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)	wajor core courses (31 credits)								
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 credits) 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	100	Dynamic Earth	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 credits) 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	102	Evolving Earth	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 credits) 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	210	Geomorphology	4					
GLS 322 Petrology 4 GLS 334 Sedimentation & Stratigraphy 4 GLS 341 Structural Geology & Tectonics 4 Major Concentration Courses (9-10 credits) 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	221	Mineralogy	4					
GLS 334 Sedimentation & Stratigraphy 4 GLS 341 Structural Geology & Tectonics 4 Major Concentration Courses (9-10 credits) 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	253	Geochemistry	3					
GLS 341 Structural Geology & Tectonics 4 Major Concentration Courses (9-10 credits) 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	322	Petrology	4					
Major Concentration Courses (9-10 credits) 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	334	Sedimentation & Stratigraphy	4					
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	341	Structural Geology & Tectonics	4					
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)	N	Major (Concentration Courses (9-10 cred	lits)					
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)	Choose	e three	courses from the following list:						
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	222	Gemology	3					
the Earth	GLS	231	Earth System Cycles	3					
GLS 356 Hydrology 4 IDS 366 Energy and the Environment 3 Major Capstone Courses (9 credits)	GLS	351		3					
IDS 366 Energy and the Environment 3 Major Capstone Courses (9 credits)	GLS	352	Petroleum Geology	3					
Major Capstone Courses (9 credits)	GLS	356	Hydrology	4					
	IDS	366	Energy and the Environment	3					
.010 470 5:110 1									
†GLS 470 Field Geology I 3	GLS	470	Field Geology I	3					
†GLS 485 Field Geology II 3	GLS	485		3					
GLS 500 Senior Research in Geology 3	GLS	500	Senior Research in Geology	3					

Courses (17-20 credits total)

3

Effective: 9/2016

MAT	220	Calculus I	4				
MAT	147	Statistics	3				
► And required lab sequence							
		Lab Sequence I	4				
		Lab Sequence II	4				
And choose two courses from BIO, CHE, PHS, MAT, or ¶GPH:							

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.

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

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



GENERAL EDUCATION REQUIREMENTS

Name:
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Date Admitted Into Major:

COURSES IN MAJOR (48-49 credits total)

BACHELOR OF SCIENCE GEOLOGICAL SCIENCES

EARTH SCIENCE CONCENTRATION

									M	ajor Core Courses (27 credits)		
			Competencies					GLS	102	Evolving Earth	4	
□ •	Basic (College M	lath					GLS	210	Geomorphology	4	
	Readir	ng Compr	ehension					GLS	221	Mineralogy	4	
		·9 · · · · · · ·						GLS	253	Geochemistry	3	
								GLS	322	Petrology	4	
	∗Ge	neral Edi	ucation Categories (3	4-35 credits t	otal)			GLS	334	Sedimentation & Stratigraphy	4	
•FYS		st Year Se			3			GLS	341	Structural Geology & Tectonics	4	
♦W-I			nunication - Level I		3			Major Concentration Courses (12-13 credits)				
+OC							GLS	120	Our Geologic Environment	3		
PGR			wth & Responsibility		3			GPH	386P	Meteorology	3	
CEA					3			GLS	212	Geological Oceanography.	3	
WC								OR				
HP		e Human F	-		3			GPH	285P	Oceanography	3	
CS					3				OR			
		Contemporary Society Scientific # Any SR course			3-4			BIO	322	Biological Oceanography	4	
SR		asoning:			4			GLS	115	Geology of Solar System	3	
QR	_	antitative f			3				OR		3	
QIV							PHS	207	Astronomy 3 cr.			
Written Communication (Level II and Level III)								or Capstone Courses (9 credits)				
W-II	Wi	itten Comr	nunication - Level II]		†GLS	470	Field Geology I	3	
W-III	\//	itten Comr	nunication - Level III			1		†GLS	485	Field Geology II	3	
** ***	1 ***	itteri oomi	Harileation Ecveriii					GLS	500	Senior Research in Geology	3	
			Electives (12 credits					Choos	e two co	Support Courses (20-24 credits urses from the following list:		T
			ake additional credits to at					MAT	110	Pre-calculus	3	
requ	irea for	graduation	n depending on choices m minor selection.	lade for general	education	ı or		MAT	220	Calculus I	4	
			minor selection.					MAT	221	Calculus II	4	
								MAT	147	Statistics	3	
								And re	equired la	ab sequence		
								GLS	100	Physical Geology	4	
								GPH	100P	Weather and Climate	4	
And two courses from BIO, CHE, PHS, MAT or ¶GPH:												
<u> </u>										· · · · · · · · · · · · · · · · · · ·		
			Minor (Optional)	:								
			mier (epiterial)	-					•			
					1							

- ▼ 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.
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- # 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.
- ¶ Choose from GPH 340, 343, or 446.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
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BACHELOR OF SCIENCE

		NVIRONME		ICAL SC		RATION		
	GENERAL EDUCATION REQUIR	REMENTS				COU	RSES IN MAJOR (49-50 credits t	otal)
						N	Major Core Courses (31 credits)	
	Competencies				GLS	100	Dynamic Earth	4
→ Ba	asic College Math				GLS	102	Evolving Earth	4
↑ Re	eading Comprehension				GLS	210	Geomorphology	4
	,				GLS	221	Mineralogy	4
					GLS	253	Geochemistry	3
	●General Education Categories (34-3	5 credits to	otal)		GLS	322	Petrology	4
•FYS	First Year Seminar		3		GLS	334	Sedimentation & Stratigraphy	4
♦W-I	Written Communication - Level I		3		GLS	341	Structural Geology & Tectonics	4
♦OC	Oral Communication		3				Concentration Courses (9-10 cre	dits)
PGR	Personal Growth & Responsibility		3				courses from the following list:	
CEA	Creative Expression & Appreciation		3		GLS	214	Beaches and Coasts	4
WC	World Cultures		3		GLS	356	Hydrology	4
HP	The Human Past		3		GLS	357	Environmental Geology	3
CS	Contemporary Society		3		GLS	380		
	Scientific # Any SR course		3-4				jor Capstone Courses (9 credits	
SR	Reasoning: # SR Lab course		4		†GLS	470	Field Geology I	3
QR	Quantitative Reasoning		3		†GLS	485	Field Geology II	3
	‡ Written Communication (Level II	and Lovel I	III\		GLS	500	Senior Research in Geology	3
W-III	Written Communication - Level III				Choos MAT	e two c	ourses from the following list:	3
					MAT	220	Calculus I	4
	Free Electives (11 credits mir	imum)			MAT	221	Calculus II	4
May be	necessary to take additional credits to attain		120 cre	dite	MAT	147	Statistics	3
	d for graduation depending on choices made						ed lab sequence	3
	minor selection.				► Allu	require	Lab Sequence I	4
							Lab Sequence II	4
					And of	oooo tu	vo courses from BIO, CHE, PHS, N	
					¶GPH:		vo courses from BIO, OHE, FIIS, N	//A1, 01
						L		
-	Minor (Optional):							
	, , ,							

- 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.
- Acceptable GPH courses include: 340, 343, or 446
- 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 ♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE GEOLOGICAL SCIENCES

GEOARCHEOLOGY CONCENTRATION

	GENERAL EDUCATION REQ	UIREMENTS			CO	URSES IN MAJOR (51 credits tota	l)		
						N	lajor Core Courses (31 credits)		
	Competencies				GLS	100	Dynamic Earth	4	
☐ ◆ Ba	sic College Math				GLS	102	Evolving Earth	4	
∏ ♦ Re	ading Comprehension				GLS	210	Geomorphology	4	
	<u> </u>				GLS	221	Mineralogy	4	
					GLS	253	Geochemistry	3	
	General Education Categories (3	4-35 credits	total)		GLS	322	Petrology	4	
•FYS	First Year Seminar		3		GLS	334	Sedimentation & Stratigraphy	4	
♦W-I	Written Communication - Level I		3		GLS	341	Structural Geology & Tectonics	4	
♦OC	Oral Communication		3			Major	Concentration Courses (11 credit	is)	
PGR	Personal Growth & Responsibility		3		GLS	235	Forensic Geology	4	
CEA	Creative Expression & Appreciation		3		GLS	349	Geoarcheology	3	
WC	World Cultures		3		GLS	380	Appl. Environmental Geophysics	4	
HD	The Human Past		3			Ma	jor Capstone Courses (9 credits)		

†GLS

GLS

†GLS 485

500

▼ Required Support Courses (26 credits total)

Senior Research in Geology

3

3

470 Field Geology I

Field Geology II

HST	301	Intro to Archeology	3	
HST	332	Architectural History of America	3	
HST	333	American Material Culture	3	
MAT	110	Pre-calculus	3	
MAT	147	Statistics	3	
GPH	340	Geographic Information Systems	3	
And re	quired	lab sequence		
•		Required Lab Sequence I	4	
•		Required Lab Sequence II	4	

♦FYS	First Year Sei		3		
♦W-I	Written Comn		3		
◆OC	Oral Commun		3		
PGR	Personal Gro		3		
CEA	Creative Expr		3		
WC	World Culture		3		
HP	The Human F		3		
CS	Contemporar	y Society		3	
SR	Scientific	# Any SR course		3-4	
SK	Reasoning:		4		
QR	Quantitative F	Reasoning		3	

‡ Written Communication (Level II and Level III)

W-II	Written Communication - Level II		
W-III	Written Communication - Level III		

Free Electives (8 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 colocitori:	

Minor (Optiona	al):	

▼ 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.

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

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
Student ID:
Date Admitted Into Major:

GENERAL EDUCATION REQUIRE	GEOLOGY CONCEN MENTS		COU	RSES IN MAJOR (51-52 credits to	tal)
			N	Major Core Courses (31 credits)	
Competencies		GLS	100	Dynamic Earth	4
◆ Basic College Math		GLS	102	Evolving Earth	4
◆ Reading Comprehension		GLS	210	Geomorphology	4
Ţ ,		GLS	221	Mineralogy	4
		GLS	253	Geochemistry	3
♣General Education Categories (34-35 of	credits total)	GLS	322	Petrology	4
YS First Year Seminar	3	GLS	334	Sedimentation & Stratigraphy	4
V-I Written Communication - Level I	3	GLS	341	Structural Geology & Tectonics	4
OC Oral Communication	3	1	Major C	Concentration Courses (11-12 cred	dits)
GR Personal Growth & Responsibility	3	GLS	101	Field Studies in Earth Science	4
EA Creative Expression & Appreciation	3	GLS	330	Paleontology	4
C World Cultures	3	GLS		Elective numbered 200 & above	3-4
P The Human Past	3		Ма	jor Capstone Courses (9 credits)	
S Contemporary Society	3	1010		• • • • • •	1 0
R Scientific # Any SR course	3-4	†GLS	470	Field Geology I	3
Reasoning: # SR Lab course	4 3	†GLS GLS	485 500	Field Geology II Senior Research in Geology	3
R Quantitative Reasoning			300	Gerilor Research in Geology	0
‡ Written Communication (Level II and	d Level III)	∀ F	Require	ed Support Courses (20-24 credits	total)
/-II Written Communication - Level II		Choos	e two c	ourses from the following list:	•
-III Written Communication - Level III		MAT	110	Pre-calculus	3
		MAT	220	Calculus I	4
		MAT	221	Calculus II	4
E EL () (0 1)		MAT	147	Statistics	3
Free Electives (9 credits minim ay be necessary to take additional credits to attain the		► And	require	d lab sequence	
av be necessary to take additional credits to attain the				Lab Sequence I	4
				Lab Sequence II	4
				•	DI.
quired for graduation depending on choices made for		And tu		ses from BIO, CHE, PHS, MAT or \P 0	эРП.
quired for graduation depending on choices made for		And tw	o cours		1
quired for graduation depending on choices made for		And tw	o cours		
quired for graduation depending on choices made for		And tw	o cours		
equired for graduation depending on choices made for		And tw	o cours		
equired for graduation depending on choices made for		And tv	o cours		
quired for graduation depending on choices made for		And tv	o cours		
quired for graduation depending on choices made for		And tv	o cours		
quired for graduation depending on choices made for minor selection.		And tv	o cours		
quired for graduation depending on choices made for minor selection.		And tv	o cours		
equired for graduation depending on choices made for minor selection.		And tv	o cours		
equired for graduation depending on choices made for minor selection.		And tv	/o cours		
quired for graduation depending on choices made for minor selection.		And tv	/o cours		

- ▼ 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.
- 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
- ¶ Choose from GPH 340, 343, or 446.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
Student ID:
Date Admitted Into Major:

Effective: 9/2016

BACHELOR OF SCIENCE

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GENERAL EDUCATION REQUIREMENTS COURSES IN MAJOR (51-52 credits total) Major Core Courses (31 credits) Competencies **GLS** Dynamic Earth 4 4 GLS **Evolving Earth** GLS 210 Geomorphology 4 → Reading Comprehension Mineralogy GLS 221 4 GLS 253 Geochemistry 3 Petrology 4 **◆**General Education Categories (34-35 credits total) GLS 322 GLS 334 Sedimentation & Stratigraphy 4 **◆FYS** First Year Seminar Structural Geology & Tectonics 341 ♦W-I Written Communication - Level I 3 Major Concentration Courses (11-12 credits) 3 **♦**OC Oral Communication Choose three courses from the following list: **PGR** Personal Growth & Responsibility 3 101 Field Studies in Earth Science GLS 4 CEA Creative Expression & Appreciation 3 **GLS** 343 Intro to Geophysics 4 WC World Cultures 3 **GLS** 345 Geological Engineering 3 HP The Human Past 3 GLS 356 Hydrology 4 CS Contemporary Society 3 GLS 372 Surveying I 4 # Any SR course 3-4 Scientific SR GLS 373 Surveying II 4 Reasoning: # SR Lab course 4 4 GLS 380 Applied Env. Geophysics QR Quantitative Reasoning 3 Major Capstone Courses (9 credits) **‡ Written Communication (Level II and Level III)** †GLS 470 Field Geology I 3 W-II †GLS 3 Field Geology II Written Communication - Level II 485 GLS 500 Senior Research in Geology 3 W-III Written Communication - Level III ▼ Required Support Courses (20-24 credits total) Choose two courses from the following list: Pre-calculus 3 Free Electives (9 credits minimum) MAT 110 May be necessary to take additional credits to attain the minimum 120 credits MAT 220 Calculus I 4 required for graduation depending on choices made for general education or MAT 221 Calculus II 4 minor selection 147 3 MAT Statistics ► And required lab sequence Lab Sequence I 4 Lab Sequence II 4 And two courses from BIO, CHE, PHS, MAT or ¶GPH: Minor (Optional):

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

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS ♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS



Name:
Student ID:
Date Admitted Into Major:

BACHELOR OF SCIENCE

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COURSES IN MAJOR (50-51 credits total) **GENERAL EDUCATION REQUIREMENTS** Major Core Courses (31 credits) Competencies GLS 100 Dynamic Earth 4 4 GLS **Evolving Earth** GLS 210 Geomorphology 4 → Reading Comprehension Mineralogy GLS 221 4 Geochemistry GLS 253 3 Petrology 4 ◆General Education Categories (34-35 credits total) GLS 322 GLS 334 Sedimentation & Stratigraphy 4 **◆FYS** First Year Seminar Structural Geology & Tectonics 4 341 ♦W-I Written Communication - Level I 3 Major Concentration Courses (10-11 credits) 3 **♦**OC Oral Communication GLS 212 Geological Oceanography 3 **PGR** Personal Growth & Responsibility 3 GLS 214 Beaches and Coasts 4 CEA Creative Expression & Appreciation 3 Choose one course from the following list: WC World Cultures 3 GLS 330 Paleontology 4 HP The Human Past 3 OR CS Contemporary Society 3 Biological Oceanography BIO 322 4 # Any SR course 3-4 Scientific SR OR Reasoning: # SR Lab course 4 GPH 285P 3 Oceanography QR Quantitative Reasoning 3 Major Capstone Courses (9 credits) **‡ Written Communication (Level II and Level III)** +GLS 470 Field Geology I 3 W-II 3 †GLS 485 Field Geology II Written Communication - Level II GLS 500 Senior Research in Geology 3 W-III Written Communication - Level III ▼ Required Support Courses (20-24 credits total) Choose two courses from the following list: Pre-calculus 3 Free Electives (10 credits minimum) MAT 110 May be necessary to take additional credits to attain the minimum 120 credits MAT 220 Calculus I 4 required for graduation depending on choices made for general education or MAT 221 Calculus II 4 minor selection 147 3 MAT Statistics ► And required lab sequence Lab Sequence I 4 Lab Sequence II And two courses from BIO, CHE, PHS, MAT or ¶GPH: Minor (Optional):

- ▼ 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.
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♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS ♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS