

Name:
Student ID:
Date Admitted Into Major:

EARTH POLICY CONCENTRATION

	GENER	AL EDUCATION RE	QUIREMEN	TS
		Competencies	3	
□ ◆ Ba	sic College M	ath		
☐ + Re	ading Compr	ehension		
		cation Categories	(34-35 credi	
◆FYS	First Year Ser			3
♦W-I		nunication - Level I		3
◆OC	Oral Commun			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
0.0	Scientific	# Any SR course		3-4
SR	Reasoning:	# SR Lab course		4
QR	Quantitative F	Reasoning		3
	‡ Written C	ommunication (Lev	el II and Le	vel III)
W-II	Written Comm	nunication - Level II		
W-III	\M	nunication - Level III		

	Free Electives (10 credits minimum) essary to take additional credits to attain the minimum graduation depending on choices made for general e	
	minor selection.	

	Minor (Optional):	
-		
-	+	

COURSES IN MAJOR (49 credits total) Major Core 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	
	Majo	Concentration Courses (9 credits	s)	
Choose	three	courses from the following list:		
GPH	473	Planning Policy & Dec. Making	3	
HST	210	Legal History	3	
POL	304	Environmental Politics	3	
IDS	366	Energy and the Environment	3	
	Ма	jor 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	
		Lab Sequence I	4	
		Lab Sequence II	4	
Choos	e one c	course from the following list:		
MAT	110	Pre-calculus	ფ	
MAT	220	Calculus I	4	
MAT	147	Statistics	3	
And ch ¶GPH		wo courses from BIO, CHE, PHS, MA	AT, or	

- ▼ 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.
- 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:

EARTH RESOURCES CONCENTRATION

T ▲ Ba	sic College M	Competencies	5	
	ading Compre			
	ading Compr	ELIGINATION		
,	General Edu	cation Categories	34-35 cred	dits total)
•FYS	First Year Ser	minar		3
♦W-I	Written Comn	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	# Any SR course		3-4
JH	Reasoning:	# SR Lab course		4
QR	Quantitative F	Reasoning		3
	‡ Written C	ommunication (Lev	el II and L	evel III)
W-II	Written Comm	nunication - Level II		
W-III	Written Comp	nunication - Level III		Ιп

GENERAL EDUCATION REQUIREMENTS

	Free Electives (15 credits minimum) essary to take additional credits to attain the minimum graduation depending on choices made for general ec minor selection.	

	Minor (Optional):	

COURSES IN MAJOR (49-50 credits total) Major Core 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 cred	its)	
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	
	Ма	jor 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)

Choos	e one o	course from the following list:		
MAT	110	Pre-calculus	3	
MAT	220	Calculus I	4	
MAT	147	Statistics	3	
► And	require	ed lab sequence		
		Lab Sequence I	4	
		Lab Sequence II	4	
And ch ¶GPH:		wo courses from BIO, CHE, PHS, MA	AT, or	

- ▼ 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.
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- † 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
- Acceptable GPH courses include: 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:

EARTH SCIENCE CONCENTRATION

		Competencies	<u> </u>			
	sic College M	lath				
☐ + Re	eading Compr	ehension				
		ucation Categories (34-35 credits			
♦FYS	First Year Se	minar		3		
♦W-I	Written Comr	nunication - Level I		3		
◆OC	Oral Commun	nication		3		
PGR	Personal Gro	wth & Responsibility		3		
CEA	Creative Exp	ression & Appreciation		3		
WC	World Culture	es		3		
HP	The Human F	Past		3		
CS	Contemporar	y Society		3		
0.0	Scientific	# Any SR course		3-4		
SR	Reasoning:	♯ SR Lab course		4		
QR	Quantitative F	Reasoning		3		
	‡ Written C	ommunication (Lev	el II and Leve	el III)		
W-II	Written Comr	Written Communication - Level II				
W-III	Written Communication - Level III					

	Free Elective ssary to take additi graduation dependi n	onal credits to	attain the min made for gen	imum 120 cı	
	Mir	nor (Option	al):		
		(/-		

COURSES IN MAJOR (48-49 credits total) Major Core Courses (27 credits)

		,		
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	
ı	Major Co	oncentration Courses (12-13 cred	its)	
GLS	120	Our Geologic Environment	3	
GPH	386P	Meteorology	3	
GLS	212	Geological Oceanography.	3	
	OR			
GPH	285P	Oceanography	3	
	OR			
BIO	322	Biological Oceanography	4	
GLS	115	Geology of Solar System	3	
	OR		3	
PHS	207	Astronomy 3 cr.		
	Majo	or 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 (20-24 credits total)

Choose two courses from the following list:

MAT	110	Pre-calculus	3	
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	
MAT	147	Statistics	3	

And required lab sequence

GLS	100	Physical Geology	4	
GPH	100P	Weather and Climate	4	
And 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.

1 Choose from GFR 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:

						CIENCE			
	GENERAL EDUCATION F	ENVIRONMI REQUIREMENTS	ENTAL (GEOLO	OGY (CONCENT		N IRSES IN MAJOR (49-50 credits to	tal)
							N	Major Core Courses (31 credits)	
	Competenc	ies				GLS	100	Dynamic Earth	4
□ ◆Ba	asic College Math					GLS	102	Evolving Earth	4
	eading Comprehension					GLS	210	Geomorphology	4
	odding compromision					GLS	221	Mineralogy	4
						GLS	253	Geochemistry	3
	 ♣General Education Categorie	s (34-35 credits to	otal)			GLS	322	Petrology	4
♦FYS	First Year Seminar	(0:000:00:00	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 (9-10 cred	its)
PGR	Personal Growth & Responsibility		3			Choos	e three	courses from the following list:	-
CEA	Creative Expression & Appreciatio	n	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	Appl. Environmental Geophysics	4
	Scientific # Any SR course		3-4				Ma	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
QП	Written Communication (L					GLS	500	Senior Research in Geology	3
W-III	Written Communication - Level II Written Communication - Level III						-	ed Support Courses (20-24 credits ourses from the following list:	iotai)
						MAT	110	Pre-calculus	3
						MAT	220	Calculus I	4
	Free Electives (11 cred					MAT	221	Calculus II	4
	necessary to take additional credits					MAT	147	Statistics	3
require	ed for graduation depending on choice minor selectio		education	or		► And	l require	ed lab sequence	
	minor selection	л.						Lab Sequence I	4
								Lab Sequence II	4
						And ch	noose tv	vo courses from BIO, CHE, PHS, M.	AT, or
						¶GPH	:		
			1	\vdash					
			1						
	L		1		_				
					-,				
	Minor (Option	nal):							
	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.
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- 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



Name:
Student ID:
Date Admitted Into Major:

GEOARCHEOLOGY CONCENTRATION

GENERAL EDUCATION REQUIREMENTS Competencies → Basic College Math ☐ ◆ Reading Comprehension ◆General Education Categories (34-35 credits total) **♦FYS** First Year Seminar ♦W-I Written Communication - Level I 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 3-4 Scientific # Any SR course SR Reasoning: # SR Lab course 4 QR 3 Quantitative Reasoning **‡ 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 selection

Minor (Optional):							

COURSES IN MAJOR (51 credits total) Major Core 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 (11 credit	s)	
GLS	235	Forensic Geology	4	
GLS	349	Geoarcheology	3	
GLS	380	Appl. Environmental Geophysics	4	
	Ма	jor 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 (26 credits total)

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	
•		Required Lab Sequence I	4	
•		Required Lab Sequence II	4	

▼ 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:

GEOLOGY CONCENTRATION

Competencies							
	ading Compre						
	adding Compi						
•	.eGeneral Edι	ıcation Categories ((34-35 credit	ts total)			
♦ FYS	First Year Ser	minar		3			
♦W-I	Written Comn	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	# Any SR course		3-4			
Sh	Reasoning:	# SR Lab course		4			
QR	Quantitative F	Reasoning		3			
	‡ Written C	ommunication (Lev	el II and Lev	/el III)			
W-II	Written Comm	nunication - Level II					
W-III	\A/-:!++ O	nunication - Level III					

CENEDAL EDUCATION DECLIDEMENTS

	Free Electives (9 credits minimum) essary to take additional credits to attain the minimum graduation depending on choices made for general ec minor selection.		-

	Minor (Optional):	

COURSES IN MAJOR (51-52 credits total) Major Core 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	GLS 334 Sedimentation & Stratigraphy		4		
GLS	341	Structural Geology & Tectonics	4		
N	/lajor C	concentration Courses (11-12 cred	its)		
GLS	101	Field Studies in Earth Science	4		
GLS	330	Paleontology	4		
GLS		Elective numbered 200 & above	3-4		
	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 (20-24 credits total)

Choose two courses from the following list:

011000	Checce two courses from the following net:					
MAT	110	Pre-calculus	3			
MAT	220	Calculus I	4			
MAT	221	Calculus II	4			
MAT	147	Statistics	3			

► And required lab sequence

Allo	require	ou lab sequence			
		Lab Sequence I	4		
	Lab Sequence II		4		
And tw	And 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.
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- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline.
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- † 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 ♦ GENER

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



Name:
Student ID:
Date Admitted Into Major:

GEOTECHNOLOGY CONCENTRATION

GENERAL EDUCATION REQUIREMENTS						
		Competencie	s			
☐ + Ba	asic College M	1ath				
☐ ◆ Re	eading Compr	ehension				
	0		(0.4.05	- 4-4-D		
		ucation Categories	(34-35 credit			
◆FYS	First Year Se	minar		3		
♦W-I	Written Com	munication - Level I		3		
◆OC	Oral Commu	nication		3		
PGR	Personal Gro	wth & Responsibility		3		
CEA	Creative Exp	ression & Appreciation		3		
WC	World Culture	es		3		
HP	The Human F	Past		3		
CS	Contemporar	y Society		3		
CD	Scientific	# Any SR course		3-4		
SR	Reasoning:	# SR Lab course		4		
QR	Quantitative I	Reasoning		3		
	‡ Written C	Communication (Lev	el II and Lev	el III)		
W-II	Written Com	nunication - Level II				
W-III	Written Com	munication - Level III				

	Free Electives (9 credits minimuses any to take additional credits to attain the graduation depending on choices made for minor selection.	minimum 120 cred	

 Minor (Optional):					
				•	

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

		najor dore doarses (or oreans)		
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	
N	/lajor C	Concentration Courses (11-12 cred	dits)	
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	
•	Ма	jor 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 (20-24 credits total)

Choose two courses from the following list:

MAT	110	Pre-calculus	3	
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	
MAT	147	Statistics	3	

► And required lab sequence

		Lab Sequence I	4	
		Lab Sequence II	4	
And tw	And two courses from BIO, CHE, PHS, MAT or ¶GPH			

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- 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



Name:
Student ID:
Date Admitted Into Major:

MARINE GEOLOGY CONCENTRATION

GENERAL EDUCATION REQUIREMENTS				
		Competencies	3	
☐ ◆ Ba	sic College M	lath		
☐ ◆ Re	ading Compr	ehension		
		ucation Categories ((34-35 credi	
◆FYS	First Year Se			3
◆W-I		nunication - Level I		3
+OC	Oral Commu			3
PGR		wth & Responsibility		3
CEA		ression & Appreciation		3
WC	World Culture	•		3
HP	The Human F	Past		3
CS	Contemporar	y Society		3
SR	Scientific	# Any SR course		3-4
Sh	Reasoning:	# SR Lab course		4
QR	Quantitative I	Reasoning		3
	‡ Written C	ommunication (Lev	el II and Le	vel III)
W-II	Written Comr	nunication - Level II		
W-III	Written Communication - Level III			

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.					
			May be necessary to take additional credits to attain the minimum 120 required for graduation depending on choices made for general educa-		

Minor (Optional):					

COURSES IN MAJOR (50-51 credits total) Major Core 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			
N	lajor Co	oncentration Courses (10-11 cred	its)			
GLS	212	Geological Oceanography	3			
GLS	214	Beaches and Coasts	4			
Choose	e one co	urse from the following list:				
GLS	330	Paleontology	4			
	OR					
BIO	322	Biological Oceanography	4			
	OR					
GPH	285P	Oceanography	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 (20-24 credits total)

Choose two courses from the following list:

MAT	110	Pre-calculus	3	
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	
MAT	147	Statistics	3	

► And required lab sequence

		Lab Sequence I	4	
		Lab Sequence II	4	
And tw	And 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.

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