

NAME \_\_\_\_\_

DATE ENTERED \_\_\_\_\_

<b>BA EARTH AND ENVIRONMENTAL SCIENCES - EARTH SCIENCES OPTION</b>				
<b>GENERAL EDUCATION REQUIREMENTS</b>			<b>44 credit hours</b>	
Course	Qtr/Yr	Grade	Cr Hrs	Remarks
<b>Area I Communication and Mathematical Skills</b>			<b>12 credit hours</b>	
ENG 101			4	
ENG 102			4	
MTH 145				substitutions: MTH 143 or MTH 228 or MTH 229 and 230 or STT 160 or STT 264 and 265
<b>Area II Cultural-Social Foundations</b>			<b>8 credit hours</b>	
choose one course from each category (circle choice)				
<u>History</u> CLS 150, HST 101, HST 102, HST 103			4	
<u>Non-Western World</u> CST, RST, CSE 250, HLT-202, RSE 260, URS 200			4	
<b>Area III Human Behavior</b>			<b>8 credit hours</b>	
choose two courses from different categories (circle choice)				
EC 200 or EC 290				
PLS 200				
PSY 105				
SOC 200				
WMS 200 or UH 202				
<b>Area IV Human Expression</b>			<b>4 credit hours</b>	
choose one from either category (circle choice)				
<u>Great Books</u> CLS 204, ENG 204, PHL 204, REL 204				
<u>Fine and Performing Arts</u> ART 214, MUS 214, MUS 290, TH 214				
<b>Additional Courses from Areas II, III, and IV</b>			<b>8 credit hours</b>	
choose two courses from different Areas; for Areas III and IV choose from the categories not chosen above				
			4	
			4	
<b>Area V Natural Sciences</b>				
EES 251-256 are required substitutions; these are included with <i>Departmental Requirements</i>				
<b>Area VI College Component</b>			<b>4 credit hours</b>	
choose one (circle choice)				
EH 205, SM 205			4	
<b>Writing Intensive Credits</b>				
WI credit from three courses listed on this page, excluding EES 251-256 (write in course and quarter/year)				
1)	2)	3)		

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## DEPARTMENTAL REQUIREMENTS

**61 credit hours**

### Objectives of the Program

Graduates will obtain positions as practicing geoscience professionals, or graduates will pursue a graduate degree in Earth and Environmental Sciences or related fields.

### Learning Outcomes of the Program

Students will acquire the knowledge to understand fundamental concepts of geology and be able to solve problems applying that knowledge; master fundamental field techniques necessary to the solution of Earth and Environmental problems; and demonstrate the ability to write in a style consistent with that found in a scientific journal.

Course	Qtr/Yr	Grade	Cr Hrs	Remarks
<b>Earth and Environmental Sciences Requirements</b>			<b>42 credit hours</b>	
EES 251	Physical Geology & Geomorphology I		3	
EES 252	Phys. Geology & Geomorph. Lab I		1.5	
EES 253	Physical Geology & Geomorphology II		3	
EES 254	Phys. Geology & Geomorph. Lab II		1.5	
EES 255	Historical Geology		3.0	
EES 256	Historical Geology Lab		1.5	
EES 312	Earth Materials I: Minerals and Rocks		4.5	
EES 417	Stratigraphy (WI)		4.5	
EES 419	Invertebrate Paleontology (WI)		4.5	
EES 421	Structural Geology		4.5	
EES 428	EES Colloquium	1) 2) 3)	1.5	3 x 0.5 credits
EES 499	Field Experiences Modules		9.0	

### Earth and Environmental Sciences Electives

**19 credit hours**

Course	Qtr/Yr	Grade	Cr Hrs	Remarks

### Writing Intensive Credits

WI credit from three courses listed on this page; one and only one must be from EES 251, 253, or 255; other courses that are normally offered for WI credit are indicated; write in course and quarter/year

1)	2)	3)
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**ADDITIONAL REQUIREMENTS** **84-87 credit hours**

Course	Qtr/Yr	Grade	Cr Hrs	Remarks
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**Science Sequence** **12 or 15 credit hours**  
 Choose one of the following sequences (enter in the spaces below):  
 CHM 121-5, 122-5, 123-5; or BIO 111-4, 112-4, 115-4; or PHY 111-4, 112-4, 113-4


**Mathematics or Statistics** MTH 128 or higher **10 credit hours**


**Supporting Electives** **25 credit hours**

These are courses from the colleges of *Engineering & Computer Science* and *Science & Mathematics* (excluding PSY) that are not preparation or prerequisites for required courses and are not primarily designed for General Education. Up to 8 credit hours of EES courses may be used to satisfy this requirement. Up to 8 credit hours from the following courses may be used as supporting electives: ATH 242, 351; GEO 361, 362, 365, 430, 432, 447, 463; PHY 106/116.


**Additional Electives** **27 credit hours**

These **must be from outside** the colleges of *Engineering & Computer Science* and *Science & Mathematics*


**Unrestricted Electives** **10 credit hours**


**TOTAL**

**189 credit hours**