

Bachelor of Arts in Earth Science (with Environmental Studies)

A Suggested Sequence of Required Courses (2016-2017 Catalog)

F r e s h m a n Y e a r			
Fall		Spring	
_____	0 Chapel (CHA 1088)	_____	0 Chapel (CHA 1088)
_____	3 ENG 1302 or FAS 1302	_____	3 ENG 1304 (see below)
_____	3 MTH (1321 preferred)	_____	3 REL 1310
_____	3-4 Foreign Language 1401/1412 (see reverse)	_____	3-4 Foreign Language 1402/2310
_____	4 GEO 1405 (or 01/02/03/08)	_____	4 GEO 1406 (satisfies Lab Science - Area 1)
_____	4 ENV 1301/1101 (satisfies Lab Science-Area 3)	_____	3-4 ENV Soc Sci, Ecol, or Poll (see below)
Total: 17-18		Total: 16-18	
S o p h o m o r e Y e a r			
Fall		Spring	
_____	3 ENG 2301 or ENG 2304/2306/GTX	_____	3 ENG 2301 or ENG 2304/2306/GTX
_____	3 Foreign Language 2310 (see reverse)	_____	3 REL 1350
_____	4 GEO 3427	_____	3 Foreign Language 2320 (see reverse)
_____	4 GEO 3435	_____	4 Lab Science-Area 2 (see reverse)
_____	1 ENV Lab (see below)	_____	1 Lifetime Fitness
Total: 15		_____	3-4 ENV Soc Sci, Ecol, or Poll (see below)
		Total: 17-18	
J u n i o r Y e a r			
Fall		Spring	
_____	3 History (see reverse)	_____	2-3 Fine Art (see reverse)
_____	3 Social Science (see reverse)	_____	3 Social Science (GEOG 1300 suggested)
_____	4 PSC 2302	_____	1 Lifetime Fitness
_____	1 Lifetime Fitness	_____	3 GEO 4312
_____	3 GEO 4485	_____	3 ENV 4345
_____	3-4 ENV Elective (3000-4000)	_____	3-4 ENV Soc Sci, Ecol, or Poll (see below)
Total: 17-18		Total: 15-17	
S u m m e r			
First		Second	
_____	3 Field Course - GEO 3341, 3344, or 4375		
Total: 3		Total:	
S e n i o r Y e a r			
Fall		Spring	
_____	3 ENV Research (see below)	_____	3 GEO 4314
_____	3 ENV 3314	_____	3 GEO 4341
_____	2-3 Fine Art (see reverse)	_____	3 ENV 43C1
_____	3 Social Science (see reverse)	_____	3-4 ENV Elective (3000-4000)
_____	3 History (see reverse)	_____	2-3 Fine Art (see reverse)
_____	1 Lifetime Fitness		
Total: 15-16		Total: 14-16	

*All students must graduate with a minimum of 124 hours,
36 of which must be at the 3000/4000 level.*

Notes about major requirements:

- The BA degree is not a professional degree in geology. It may be combined with a major in environmental studies or with courses in education for teaching certification.
- Soc Sci/Ecol/Poll (9 hours). Take three (or four) semester hours from each group: Soc Sci (ENV 2376, 3320, 3300, 4310, 4350, 4393); Ecol (ENV 2407, 3306, 4450); Pol (ENV 2375, 3333, 3387, 4344, 4349, or 4370)
- ENV Lab-1 semester hour: ENV 2175, 3106, 3133, 4287, one hour of 2407 (lab), one hour from 4450 (lab)
- ENV Research (min of 3 hours of research, internship, team project, thesis or field studies from): ENV 3301, 3V09, 4V90, 4V93, (4199 & 4299), 4302, 4315, 4332, 4394, 4613, 4680
- ENV 1301, 1101 are offered every term. ENV 2375/2175 and 3333/3133 are on an every other year rotation. ENV 2407 and ENV 3306/3106 are on an every other year rotation. These courses fill the pollution and the ecology requirements so plan ahead.
- Many students take their internship requirement of 3 credits in the summer.
- All senior-level candidates must complete the exit exam.
- English requirement: Freshman Academic Seminars (FAS) may be substituted for ENG 1302. These seminars introduce first year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance. Emphasizes critical inquiry and thinking, research, writing, and problem solving. May substitute for a basic requirement on certain degrees only in the College of Arts and Sciences.
- *Note: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- For more information, see the undergraduate catalog.

Please see reverse side for important information on general requirements.

Notes about General Requirements:

- Course selection is subject to availability within each semester.
- Please keep in mind that this is only a suggested sequence. Actual sequence will vary according to possible second major, minor, other program of study (including pre-health), and individual circumstances (ex., transfer credit, dual credit, and credit by exam).
- In order to complete your degree, you must fulfill all requirements in your major and general requirements for the Bachelor of Arts.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see the undergraduate catalog.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

Social Science (One course from 3 areas - 9 hours):

- ANT 1305 or 2302 or 3301
- ECO 1305 or 2306 or 2307
- FAS 1303 or 1305 or 3 courses from FAS 1115, 1125, 1135
- GEOG 1300
- HONORS 3100 or 3101 or 3200 or 3201 (for Honors Programs only, at least two must be taken)
- PHI 1306 or 1307 or 1308 or 1321 or 3301 or 3310 or 3312 or 3322 (for art majors)
- PSC 1305 or 1306
- PSY 1305
- SOC 1305 or 3 courses from SOC 1105, 1106, 1107

Fine Arts (One course from 3 areas - 7-9 hours):

- ART 1300 or 2302 or 2303
- CLA 3380
- CSS 1301 or 1302 or 1304
- FDM/JOU 1303 (credit not allowed for both)
- FAS 1306 or 3 courses from FAS 1116, 1126, 1136
- ID 3313 or 4313
- MUS 1220 or 3322 or 3323
- THEA 1206 or 2374

Foreign Language:

- **Option A:** One modern language through 2320 level:
Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Swahili
- **Option B:** One classical language through 2320 level or two classical through 1302 level:
Latin, Greek, Hebrew (If available, Akkadian, Aramaic, Syriac, and/or Ugaritic may be used)

Math:

- MTH 1301 (Ideas in Math) or MTH 1320* (Pre-cal) or MTH 1321 (Calculus), or STA 1380 or FAS 1309. *Math 1320 is intended only for students who intend to take 1321.

History (choose 2 courses - 6 hours): HIS 1305, 1307, 2365, 2366 or FAS 1304**Lab Science (12 hours)** Choose one science course from each area - each must include a lab:

*Credit allowed for only one of these courses.

Area 1	Area 2	Area 3
BIO 1305/1105 Modern Concepts of Bio	*CHE 1300/1100 Intro to Chemistry	ANT 1404
BIO 1306/1106 Modern Concepts of Bio II	*CHE 1301/1101 Basic Prin of Mod Chem I	ENV 1301/1101 Exploring Env Issues
BIO 1401 General Biology	CHE 1302/1102/Basic Prin of Mod Chem II	ENV 1303/1103 Wildlife Ecology
BIO 1403 Exploring the Living World	*CHE 1405 Chemistry in Society	Or any other lab science including:
*GEO 1401 Earthquakes & Other Disasters	CHE 1341/1146 Intro to Organic Biochemistry	BIO, CHE, GEO, PHY, and FAS 1407
GEO 1402 World Oceans	PHY 1404 Light, Vision, and Optics	
*GEO 1403 Environmental Geology	PHY 1405 General Physics for BA Students	
*GEO 1405 The Dynamic Earth	PHY 1407 Sound and Acoustics	
GEO 1406 Earth Through Time	PHY 1408 Gen Physics-Natural & Behav Sci	
GEO 1408 Earth Science	PHY 1420 General Physics I	
NSC 1306/1106 Intro to Neuroscience	PHY 1455 Descriptive Astronomy	

Biology/Chemistry Prerequisite Policies:

- **Biology:** In order to register for BIO 1305 and 1306 students must have either a satisfactory math score on the ACT or SAT OR have completed MTH 1320 (Pre-Calculus) with a grade of B or better.
- **Chemistry:** In order to register for CHE 1301, students must have either a satisfactory math score on the ACT (24) or SAT (550). If you do not meet one of these requirements, you will be asked to complete the ALEKS (Assessment and Learning in Knowledge Spaces) course and earn 85% mastery or higher.