

Bachelor of Arts in Earth Science (with Environmental Studies) (BIC)

A Suggested Sequence of Required Courses (2011-2012 Catalog)

F r e s h m a n Y e a r

Fall	Spring
_____ 0 Chapel (CHA 1088)	_____ 0 Chapel (CHA 1088)
_____ 2 BIC 1212 Examined Life I	_____ 3 Math (see reverse)
_____ 3 BIC 1314 World Cultures I	_____ 3 BIC 1324 World Cultures II
_____ 4 BIC 1413 Rhetoric I	_____ 3 BIC 1323 Rhetoric II
_____ 4 GEO 1405 (or 1401/1402/1403/1408)	_____ 4 GEO 1406 (Petition for BIC 2447)
_____ 4 ENV 1301/1101 Exploring Env. Issues	_____ 3-4 ENV Soc Sci, Ecol, or Poll (see below)
Total: 17	Total: 16-17

S o p h o m o r e Y e a r

Fall	Spring
_____ 3 BIC 2330 Social World I	_____ 3 BIC 2340 Social World II
_____ 3 BIC 2334 World Cultures III	_____ 3 BIC 2344 World Cultures IV
_____ 3 BIC 2437 Natural World I	_____ 3-4 ENV Soc Sci, Ecol, or Poll (see below)
_____ 3-4 Foreign Language 1401 (see reverse)	_____ 3-4 Foreign Language- 1402 (see reverse)
_____ 4 GEO 3435 Invertebrate Paleontology	_____ 4 GEO 3427 Rocks and Rock Forming Minerals
Total: 16-17	Total: 16-18

J u n i o r Y e a r

Fall	Spring
_____ 1 ENV Lab	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 3 Foreign Language 2310	_____ 3 Foreign Language 2320
_____ 1 Human Performance	_____ 3 GEO 4312 Astronomy
_____ 3 GEO 4485 Intro to Geo. Info. Sys.	_____ 3 ENV 4345 Water Management
_____ 3 ENV Elective (3000-4000)	_____ 3-4 ENV Soc Sci, Ecol, or Poll (see below)
_____ 3 Elective (variable depending on hours)	
Total: 15	Total: 15-16

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 BIC 4374 World Cultures V	_____ 3 BIC 4389 Capstone
_____ 3 ENV Research (see below)	_____ 3 GEO 4314 Meteorology
_____ 3 ENV 3314 Intro. To Env. Health	_____ 3 GEO 4341 Intro. To Hydrology
_____ 1 Human Performance	_____ 3 ENV 43C1 Environmental Capstone
_____ 3 Elective (variable depending on hours)	_____ 3-4 ENV Elective (3000-4000)
Total: 13	Total: 12-13

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

- The BA degree is not a professional degree in geology. It may be combined with majors in environmental studies or museum 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.
- 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.

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 1304* (Pre-cal) or MTH 1321 (Calculus) or STA 1380. *Math 1304 is intended only for students who intend to take 1321.

Lab Science (4 hours in addition to Natural World I and II) Choose one science/lab course from below

**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		
*GEO 1403 Environmental Geology	PHY 1404 Light, Vision, and Optics	
*GEO 1405 The Dynamic Earth	PHY 1405 General Physics for BA Students	
GEO 1406 Earth Through Time	PHY 1407 Sound and Acoustics	
GEO 1408 Earth Science	PHY 1408 Gen Physics-Natural & Behav Sci	
	PHY 1420 General Physics I	
NSC 1306/1106 Intro to Neuroscience	PHY 1455 Descriptive Astronomy	