

## Bachelor of Arts in Earth Science

### A Suggested Sequence of Required Courses (2015-2016 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)	_____ 4	CHE 1300/1100 or 1301/1101 (satisfies Area 3/see reverse)
_____ 3-4	Foreign Language 1401/1412 (see reverse)	_____ 3-4	Foreign Language 1402/2310 (see reverse)
_____ 4	<b>GEO 1401/02/03/05/08</b> (1405/08 preferred)	_____ 4	<b>GEO 1406</b> (satisfies Lab Science - Area 1)
Total: 13-14		Total: 14-15	
S o p h o m o r e Y e a r			
Fall		Spring	
_____ 3	REL 1310	_____ 3	ENG 2301 or ENG 2304/2306/GTX
_____ 3	Foreign Language 2310 (see reverse)	_____ 3	REL 1350
_____ 1	Lifetime Fitness	_____ 3	GEOG 1300 (satisfies one Social Science)
_____ 4	<b>GEO 3427</b>	_____ 4	PHY 1408 (satisfies Lab Science - Area 2)
_____ 4	<b>GEO 3435</b>	_____ 3	Foreign Language 2320 (see reverse)
Total: 15		Total: 16	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	PSC 2302	_____ 3	ENG 2301 or ENG 2304/2306/GTX
_____ 3	Social Science (see reverse)	_____ 2-3	Fine Art (see reverse)
_____ 3	History (see reverse)	_____ 3	Social Science (see reverse)
_____ 4	BIO 1403 (Recommended)	_____ 3	History (see reverse)
_____ 4	<b>GEO 4485</b> (substitute for 4313)	_____ 1	Lifetime Fitness
		_____ 3	<b>GEO 4345</b> (substitute for 4312)
Total: 17		Total: 15-16	
S u m m e r			
First		Second	
_____ 3	<b>Field Course - GEO 3341 or 3344 or 4375</b>	_____	
Total: 3		Total: 0	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	<b>GEO Elective (3000 - 4000 level)</b>	_____ 3	<b>GEO 4314</b> (offered on demand through AVS)
_____ 2-3	Fine Art (see reverse - upper level suggested)	_____ 2-3	Fine Art (see reverse)
_____ 3	Advanced Elective*	_____ 1	Lifetime Fitness
_____ 3	Advanced Elective*	_____ 3	Advanced Elective*
_____ 3	Advanced Elective*	_____ 3	Advanced Elective*
_____ 1	Lifetime Fitness		
Total: 15-16		Total: 12-13	

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

#### Notes about major requirements:

- This major is designed for teaching.
- Additional advanced hours are required and a strong minor is encouraged.
- Additional geology or chemistry will be required for a laboratory technician position.
- Those desiring to be professional geologists should pursue the BS degree.
- English requirement: Students are allowed to take either ENG 1304 or FAS 1118, 1128, and 1138. 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.

\* Because of the number of electives, there is enough room for a minor with this major.

**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 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
- 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
- FAS 1306 or 3 courses from FAS 1116, 1126, 1136
- FCS 3313 or 4313
- MUS 1220 or 3322 or 3323 or 4320
- 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), 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		
*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	

**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 or SAT or have a minimum grade of B in CHE 1300 AND a minimum grade of B in either MTH 1320 (Pre-Calculus) or MTH 1321 (Calculus).