Name:_____ Date:_____

Bachelor of Arts in Chemistry (BIC)

A Suggested Sequence of Required Courses (2012-2013 Catalog)

Freshman Year

Fall			Spring		
_____	0	Chapel (CHA 1088)	_____	0	Chapel (CHA 1088)
_____	2	BIC 1212 Examined Life I	_____	4	Lab Science-Area 1 (see below)
_____	3	BIC 1314 World Cultures I	_____	3	BIC 1324 World Cultures II
_____	4	BIC 1413 Rhetoric I	_____	3	BIC 1323 Rhetoric II
_____	3	MTH 1304 Pre Cal(MTH 1321, *if eligible*)	_____	3	MTH 1321 Calculus I
_____	4	**CHE 1301/1101 Chemistry I**	_____	4	**CHE 1302/1102 Chemistry II**
Total:	15		Total:	17	

Sophomore Year

Fall			Spring		
_____	3	BIC 2330 Social World I	_____	3	BIC 2340 Social World II
_____	4	PHY 1420 Physics I (Calc. based)	_____	4	PHY 1430 Physics II (calc. based)
_____	3	MTH 1322 Calculus II	_____	3	MTH 2321 Calculus III
_____	1	Human Performance	_____	1	Human Performance
_____	3	**CHE 3331 Organic Chemistry I**	_____	3	**CHE 3332 Organic Chemistry II**
_____	2	**CHE 2216 Lab Measurements**	_____	2	**CHE 3238 Organic Chem Lab**
Total:	16		Total:	16	

Junior Year

Fall			Spring		
_____	3	Elective (variable depending on hours)	_____	3	BIC 3358 Biblical Heritage/Ethics
_____	4	Foreign Language 1401 (see below/reverse)	_____	4	Foreign Language 1402 (see below/reverse)
_____	3	BIC 2334 World Cultures III	_____	3	BIC 2344 World Cultures IV
_____	3	**CHE 4321 Physical Chem I**	_____	3	**CHE 4000-level lecture**
_____	1	**CHE 4127 Phys. Chem Lab I**	_____	2	**CHE Lab 4000-level**
Total:	14		Total:	15	

Senior Year

Fall			Spring		
_____	1	**CHE 4151 Seminar (fall only, see below)**	_____	0	**CHE 4001 Exit Exam**
_____	3	**CHE 4000 level** (see below)	_____	3	Elective (variable depending on hours)
_____	3	BIC 4374 World Cultures V	_____	3	BIC 4389 Capstone
_____	3	Foreign Language 2310 (see below/reverse)	_____	3	Foreign Language 2320 (see below/reverse)
_____	3	Advanced Elective (variable depending on hours)	_____	3	Advanced Elective (Variable depending on hours)
_____	3	Elective (variable depending on hours)	_____	3	Elective (Variable depending on hours)
Total:	16		Total:	15	

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

Notes about major requirements:

- Lab courses - two hours are required: CHE 4128, 4207, 4217, 4237, 4141.
- CHE 4000-level: Six additional hours of 4000-level courses are required: CHE 4128, 4207, 4217, 4237, 4141, 4301, 4316, 4322, 4341.
- A third lab science needs to be selected from Area 1: BIO 1405, BIO 1305/1105, BIO 1306/1106, GEO 1401, GEO 1402, GEO 1403, GEO 1405, GEO,1406, GEO 2408, NSC 1306/1106.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- For more information, see page 75 in 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	

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 1304 (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 1304 (Pre-Calculus) or MTH 1321 (Calculus)