

## Bachelor of Science in Chemistry (ACS Certified, Biochemistry Concentration) (BIC)

*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)
_____ 2	BIC 1212 Examined Life I	_____ 4	PHY 1420 Physics I
_____ 3	BIC 1314 World Cultures I	_____ 3	BIC 1324 World Cultures II
_____ 4	BIC 1413 Rhetoric I	_____ 3	BIC 1323 Rhetoric II
_____ 3	MTH 1321 Calculus	_____ 3	MTH 1322 Calculus II
_____ 4	<b>CHE 1301/1101 Chemistry I</b> (see reverse)	_____ 4	<b>CHE 1302/1102 Chemistry II</b> (see reverse)
Total: 16		Total: 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
_____ 4	PHY 1430 Physics II	_____ 3	MTH 2321 Calculus III
_____ 3	<b>CHE 3331 Organic Chemistry I</b>	_____ 2	<b>CHE 3238 Organic Chemistry Lab</b>
_____ 2	<b>CHE 2216 Lab Measurements</b>	_____ 3	<b>CHE 3332 Organic Chemistry II</b>
_____ 1	Lifetime Fitness	_____ 1	Lifetime Fitness
Total: 16		Total: 15	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	MTH 3325 or STA 2381 or STA 3381 (see below)	_____ 4	BIO 1305/1105 Modern Concepts Bio
_____ 4	Foreign Language 1401 (see reverse)	_____ 4	Foreign Language 1402 (see reverse)
_____ 3	<b>CHE 4321 Physical Chemistry I</b>	_____ 3	<b>CHE 4322 Physical Chemistry II</b>
_____ 3	<b>CHE 4341 Biochemistry I</b>	_____ 3	<b>CHE 4342 Biochemistry II</b>
_____ 3	<b>CHE 4141 Biochemistry Lab I</b>	_____ 1	<b>CHE 4142 Biochemistry Lab II</b>
_____ 1	<b>CHE 4127 Phys. Chem Lab I</b>	_____ 1	<b>CHE 4128 Phys. Chem Lab II</b>
Total: 17		Total: 16	
S e n i o r Y e a r			
Fall		Spring	
_____ 1-2	<b>CHE 4000</b> (see below)	_____ 3	<b>CHE 4316 Instrumental Analysis</b>
_____ 1	<b>CHE 4151 Undergrad Seminar I</b>	_____ 1-2	<b>CHE 4000</b> (see below)
_____ 3	<b>CHE 4301 Inorganic Chem.</b>	_____ 0	<b>CHE 4001 Exit Examination</b>
_____ 4	BIO 1306/1106 Modern Concepts Bio	_____ 3	BIC 3358 Biblical Heritage/Ethics
_____ 3	Elective	_____ 3	Advanced Elective (variable depending on hours)
_____ 3	Foreign Language 2310 (see reverse)	_____ 3	Foreign Language 2320 (see reverse)
Total: 15-16		Total: 13-14	

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

### Notes about major requirements:

- CHE, MTH, and PHY courses in the first two years must not be deferred.
- MTH 2321 must be completed by the end of sophomore year.
- PHY 1430 must be completed by the end of sophomore year.
- CHE 4321 and 4127 must be taken in the fall of your junior year, Prerequisites are MTH 2321 and PHY 1430.
- 4000 level chemistry courses, except 4341, are taught only once per year, in the semesters indicated.
- MTH 3325 or STA 2381 or STA 3381: MTH 3325 is recommended unless student is Pre-Health.
- CHE 4000: Two semester hours selected from CHE 4207, 4217, 4237, (one hour each of CHE 4199 and 4V98).
- 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.