

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

*A Suggested Sequence of Required Courses (2018-2019 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)
<b>Total: 16</b>	<b>Total: 17</b>

### 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>
_____ 4 <b>CHE 2416 Lab Measurements</b>	_____ 3 <b>CHE 3332 Organic Chemistry II</b>
	_____ 1 Lifetime Fitness
<b>Total: 17</b>	<b>Total: 15</b>

### S u m m e r

Summer 1

_____ 4 BIO 1305/1105 Modern Concepts Bio
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### J u n i o r Y e a r

Fall	Spring
_____ 3	_____ 3-4 Foreign Language 1302/1402
_____ 3-4 Foreign Language 1301/1401	_____ 3 <b>CHE 4322 Physical Chemistry II</b>
_____ 3 <b>CHE 4321 Physical Chemistry I</b>	_____ 3 <b>CHE 4342 Biochemistry II</b>
_____ 3 <b>CHE 4341 Biochemistry I</b>	_____ 1 <b>CHE 4142 Biochemistry Lab II</b>
_____ 3 <b>CHE 4141 Biochemistry Lab I</b>	_____ 2 <b>CHE 4228 Phys. Chem Lab II</b>
_____ 2 <b>CHE 4227 Phys. Chem Lab I</b>	_____ 3 <b>CHE 4302 Descriptive Inorganic CHE</b>
<b>Total: 14-15</b>	<b>Total: 15-16</b>

### 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)
_____ 4 BIO 1306/1106 Modern Concepts Bio	_____ 0 <b>CHE 4001 Exit Examination</b>
_____ 3 MTH 3325 or STA 2381 or STA 3381 (see be	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 3 Foreign Language 2310 (see reverse)	_____ 3 Advanced Elective (BIO 4306 recommended)
_____ 1 Lifetime Fitness	_____ 3 Foreign Language 2320 (see reverse)
<b>Total: 14-15</b>	<b>Total: 13-14</b>

*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 4227 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.