

Bachelor of Science in Chemistry (ACS Certified) (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 (Calculus based)
_____ 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 CHE 1301/1101 Chemistry I (see reverse)	_____ 4 CHE 1302/1102 Chemistry II (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 CHE 3331 Organic Chemistry I	_____ 2 CHE 3238 Organic Chem Lab
_____ 4 CHE 2416 Lab Measurement	_____ 3 CHE 3332 Organic Chemistry II
	_____ 1 Lifetime Fitness
Total: 17	Total: 15

J u n i o r Y e a r

Fall	Spring
_____ 3-4 Foreign Language 1301/1401	_____ 3-4 Foreign Language 1302/1402
_____ 3 Elective (variable depending on hours)	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 1 Lifetime Fitness	_____ 3 CHE 4322 Physical Chemistry II
_____ 3 CHE 4321 Physical Chemistry I	_____ 1 CHE 4128 Physical Chemistry Lab II
_____ 2 CHE 4227 Phys. Chemistry Lab I	_____ 3 CHE 4302 Descriptive Inorganic CHE
_____ 3 MTH 3325 or STA 2381 or STA 3381 (see below)	_____ 1-2 CHE 4000 (see below)
Total: 15-16	Total: 14-16

S e n i o r Y e a r

Fall	Spring
_____ 3 Foreign Language 2310 (see below/reverse)	_____ 3 Foreign Language 2320 (see below/reverse)
_____ 3 Elective (variable depending on hours)	_____ 3 CHE 4341 Biochemistry I
_____ 3 CHE 4307 Advanced Inorganic Chem	_____ 1-2 CHE 4000 (see below)
_____ 1-2 CHE 4000 (see below)	_____ 0 CHE 4001 Exit Examination
_____ 1 CHE 4151 Undergrad Seminar I	_____ 3 CHE 4316 Instrumental Analysis
_____ 3 Elective (variable depending on hours)	_____ 3 Elective (variable depending on hours)
Total: 14-15	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 end of sophomore year.
- PHY 1430 must be complete by end of sophomore year.
- CHE 4321 and 4127 must be taken in fall of 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.
- CHE 4000 Level: Students must complete six semester hours from CHE 4207, 4217, 4237, (one hour each of CHE 4199 and 4V98).
- MTH 3325 or STA 2381 or STA 3381: MTH 3325 is recommended unless student is Pre-Health.
- 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.