

## Bachelor of Science in Chemistry (ACS Certified)

### A Suggested Sequence of Required Courses (2014-2015 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	REL 1310
_____ 3	MTH 1320 (MTH 1321, <i>if eligible</i> )	_____ 3	MTH 1321
_____ 3-4	Foreign Language 1401/1412 (see reverse)	_____ 3-4	Foreign Language 1402/2310 (see reverse)
_____ 1	Lifetime Fitness	_____ 1	Lifetime Fitness
_____ 4	<b>CHE 1301/1101</b> (see reverse)	_____ 4	<b>CHE 1302/1102</b> (see reverse)
Total: 14-15		Total: 14-15	
S o p h o m o r e Y e a r			
Fall		Spring	
_____ 3	MTH 1322	_____ 3	MTH 2321
_____ 3	Foreign Language 2310 (see reverse)	_____ 3	Foreign Language 2320 (see reverse)
_____ 4	PHY 1420	_____ 4	PHY 1430
_____ 1	Lifetime Fitness	_____ 1	Lifetime Fitness
_____ 2	<b>CHE 2216</b>	_____ 2	<b>CHE 3238</b>
_____ 3	<b>CHE 3331</b>	_____ 3	<b>CHE 3332</b>
Total: 16		Total: 16	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	REL 1350	_____ 3	History/Social Science ( see reverse)
_____ 3	ENG 2301 or ENG 2304/2306/GTX	_____ 3	Elective
_____ 3	PSC 2302	_____ 3	<b>CHE 4322</b>
_____ 3	MTH 3325 or STA 2381 or STA 3381 (see below)	_____ 1	<b>CHE 4128</b>
_____ 3	<b>CHE 4321</b>	_____ 3	<b>CHE 4316</b>
_____ 1	<b>CHE 4127</b>	_____ 1-2	<b>CHE 4000</b> (see below)
Total: 16		Total: 14-15	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	<b>CHE 4307</b>	_____ 3	<b>CHE 4341</b>
_____ 3	<b>CHE 4302</b>	_____ 1-2	<b>CHE 4000</b> (see below)
_____ 1-2	<b>CHE 4000</b> (see below)	_____ 0	<b>CHE 4001</b>
_____ 1	<b>CHE 4151</b>	_____ 3	ENG 2301 or ENG 2304/2306/GTX
_____ 3	ENG 3300 (see below)	_____ 3	Elective
_____ 3	History/Social Science (see reverse)	_____ 3	Elective
_____ 2-3	Elective	_____ 2-3	Elective
Total: 14-15		Total: 15-17	

*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: 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
- English requirement: It is recommended that science majors take ENG 3300 their junior or senior year rather than ENG 1304. Students may also take FAS 1118, 1128, and 1138 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.

**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 Science.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see your undergraduate catalog.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

**History/Social Science (choose 2 courses from the following areas - 6 hours):**

- Anthropology, Economics, History, Honors, Philosophy, Political Science, Psychology, Sociology, GEOG 1300, FAS 1303, 1304 or 1305, or 3 courses from FAS 1115, 1125, 1135.
- Check your major to determine if special courses are needed.

**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)  
\*Chemistry majors must take a modern foreign language; German or Russian are strongly recommended.

**Math & Science:** You must complete a minimum of 34 hours of math and science courses. See the undergraduate catalog for a more detailed explanation or refer to your audit for specific science/math courses that may be required by your major.

**Fine Arts:** None required for this degree.

**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).