

## Bachelor of Science in Biochemistry

### A Suggested Sequence of Required Courses (2012-2013 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	_____ 3	REL 1310
_____ 3	MTH 1304 ( <i>MTH 1321 if eligible</i> )	_____ 3	MTH 1321
_____ 3-4	Foreign Language 1401/1412 (see reverse)	_____ 3-4	Foreign Language 1402/2310 (see reverse)
_____ 1	Human Performance	_____ 1	Human Performance
_____ 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	ENG 2301 or ENG 2304/2306/GTX
_____ 4	BIO1305/1105 or 1405 (see reverse)	_____ 4	BIO 1306/1106 or 1406 (see reverse)
_____ 3	Foreign Language 2310 (see reverse)	_____ 3	Foreign Language 2320 (see reverse)
_____ 1	Human Performance	_____ 1	Human Performance
_____ 2	<b>CHE 2216</b>	_____ 3	<b>CHE 3238</b>
_____ 3	<b>CHE 3331</b>	_____ 2	<b>CHE 3332</b>
Total: 16		Total: 16	
J u n i o r Y e a r			
Fall		Spring	
_____ 3	ENG 2301 or ENG 2304/2306/GTX	_____ 3	REL 1350
_____ 3	History/Social Science (see reverse)	_____ 3	History/Social Science (see reverse)
_____ 3	PSC 2302	_____ 4	PHY 1430
_____ 4	PHY 1420	_____ 3	Elective (Variable depending on hours)
_____ 1	<b>CHE 4141</b>	_____ 1	<b>CHE 4142</b>
_____ 3	<b>CHE 4341</b>	_____ 3	<b>CHE 4342</b>
Total: 17		Total: 17	
S e n i o r Y e a r			
Fall		Spring	
_____ 3	<b>CHE 4327</b>	_____ 0	<b>CHE 4001</b>
_____ 1	<b>CHE 4151</b>	_____ 2	<b>Advanced CHE</b> (4217 or 4237 recommended)
_____ 1	<b>CHE 4125</b>	_____ 3	<b>Advanced CHE</b> (4316 is recommended)
_____ 3	<b>ENG 3300</b>	_____ 4	<b>Advanced BIO Elective</b>
_____ 4	<b>Advanced BIO Elective</b> (4306/4106 is recommended)	_____ 3-4	<b>Advanced Elective</b> (depends on advanced hrs)
_____ 3	Elective (Variable depending on hours)	_____ 3	Elective (Variable depending on hours)
Total: 15		Total: 15-16	

*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 courses in the first two years must not be deferred, except that CHE 1316 may be delayed one semester.
- PHY 1430 must be completed by the end of the junior year.
- CHE 4327 and 4125 must be taken in the fall of junior year or senior year. Prerequisites are CHE 2216, 4341 or concurrent enrollment, MTH 1322 and PHY 1430.
- 4000 level CHE courses, except 4341, are only taught once per year, in the semesters indicated above.
- 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 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).