# Bachelor of Science in Biochemistry

* A Suggested Sequence of Required Courses (2017-2018 Catalog) 

## Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____ 0 Chapel (CHA 1088)</td>
<td>_____ 0 Chapel (CHA 1088)</td>
</tr>
<tr>
<td>_____ 3 ENG 1302</td>
<td>_____ 3 REL 1310</td>
</tr>
<tr>
<td>_____ 3 Math (see reverse)</td>
<td>_____ 3 MTH 1321</td>
</tr>
<tr>
<td>_____ 3-4 Foreign Language 1401/1412 (see reverse)</td>
<td>_____ 3-4 Foreign Language 1402/2310 (see reverse)</td>
</tr>
<tr>
<td>_____ 1 Lifetime Fitness</td>
<td>_____ 1 Lifetime Fitness</td>
</tr>
<tr>
<td>_____ 4 CHE 1301/1101 (see reverse)</td>
<td>_____ 4 CHE 1302/1102 (see reverse)</td>
</tr>
<tr>
<td><strong>Total:</strong> 14-15</td>
<td><strong>Total:</strong> 14-15</td>
</tr>
</tbody>
</table>

## Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>_____ 3 MTH 1322</td>
<td>_____ 3 ENG 2301 or ENG 2304/2306/GTX</td>
</tr>
<tr>
<td>_____ 4 BIO1305/1105 or 1405 (see reverse)</td>
<td>_____ 4 BIO 1306/1106 or 1406 (see reverse)</td>
</tr>
<tr>
<td>_____ 3 Foreign Language 2310 (see reverse)</td>
<td>_____ 3 Foreign Language 2320 (see reverse)</td>
</tr>
<tr>
<td>_____ 1 Lifetime Fitness</td>
<td>_____ 1 Lifetime Fitness</td>
</tr>
<tr>
<td>_____ 2 CHE 2216</td>
<td>_____ 3 CHE 3236</td>
</tr>
<tr>
<td>_____ 3 CHE 3331</td>
<td>_____ 2 CHE 3332</td>
</tr>
<tr>
<td><strong>Total:</strong> 16</td>
<td><strong>Total:</strong> 16</td>
</tr>
</tbody>
</table>

## Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____ 3 ENG 2301 or ENG 2304/2306/GTX</td>
<td>_____ 3 REL 1350</td>
</tr>
<tr>
<td>_____ 3 History/Social Science (see reverse)</td>
<td>_____ 3 History/Social Science (see reverse)</td>
</tr>
<tr>
<td>_____ 3 PSC 2302</td>
<td>_____ 4 PHY 1430</td>
</tr>
<tr>
<td>_____ 4 PHY 1420</td>
<td>_____ 3 Elective (Variable depending on hours)</td>
</tr>
<tr>
<td>_____ 1 CHE 4141</td>
<td>_____ 1 CHE 4142</td>
</tr>
<tr>
<td>_____ 3 CHE 4341</td>
<td>_____ 3 CHE 4342</td>
</tr>
<tr>
<td><strong>Total:</strong> 17</td>
<td><strong>Total:</strong> 17</td>
</tr>
</tbody>
</table>

## Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>_____ 3 CHE 4327</td>
<td>_____ 0 CHE 4001</td>
</tr>
<tr>
<td>_____ 1 CHE 4151</td>
<td>_____ 2 Advanced CHE (4217 or 4237 recommended)</td>
</tr>
<tr>
<td>_____ 1 CHE 4125</td>
<td>_____ 3 Advanced CHE (4316 is recommended)</td>
</tr>
<tr>
<td>_____ 3 ENG 3300</td>
<td>_____ 4 Advanced BIO Elective</td>
</tr>
<tr>
<td>_____ 4 Advanced BIO Elective (4306/4106 is recommended)</td>
<td>_____ 3-4 Advanced Elective (depends on advanced hrs)</td>
</tr>
<tr>
<td>_____ 3 Elective (Variable depending on hours)</td>
<td>_____ 3 Elective (Variable depending on hours)</td>
</tr>
<tr>
<td><strong>Total:</strong> 15</td>
<td><strong>Total:</strong> 15-16</td>
</tr>
</tbody>
</table>

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.
- 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: Freshman Academic Seminars (FAS) may be substituted for ENG 1302. These seminars introduce first year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance. Emphasizes critical inquiry and thinking, research, writing, and problem solving. May substitute for a basic requirement on certain degrees only in the College of Arts and Sciences.
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- *Note: Students majoring in the sciences may take ENG 3300 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.
  - **ALEKS** placement exams are used by the Baylor Math Department for placement in MTH 1320 (Precalculus) and MTH 1321 (Calculus I). Please refer to the Math Department website for information and full instructions on the exam process.

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 (24) or SAT (550). If you do not meet one of these requirements, you will be asked to complete the ALEKS (Assessment and Learning in Knowledge Spaces) course and earn 85% mastery or higher.