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

### A Suggested Sequence of Required Courses for a McLennan transfer student (2017-2018 Catalog)

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>MCLENNAN</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
<th>MCLENNAN</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
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<tr>
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<td>CHA 1088</td>
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<td>CHA 1088</td>
<td>Chapel</td>
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<tr>
<td>ENGL 1301</td>
<td>ENGL 1302</td>
<td>Thinking and Writing</td>
<td>3</td>
<td>PHIL 1316</td>
<td>REL 1310</td>
<td>Christian Scriptures</td>
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<td>Math</td>
<td>3</td>
<td>MATH 2413</td>
<td>MTH 1321</td>
<td>Calculus I</td>
<td>3</td>
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<td>Foreign Language</td>
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<td>Foreign Language</td>
<td>4</td>
<td>See Reverse</td>
<td>Foreign Language</td>
<td>4</td>
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<td>Lifetime Fitness</td>
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<tr>
<td>CHEM 1411</td>
<td>CHE 1301-1101</td>
<td>Basic Principles of Modern Chemistry I with Lab</td>
<td>4</td>
<td>CHEM 1412</td>
<td>CHE 1302-1102</td>
<td>Basic Principles of Modern Chemistry II with Lab</td>
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### Sophomore Year

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<tr>
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<th>BU</th>
<th>Title</th>
<th>Hours</th>
<th>MCLENNAN</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MATH 2414</td>
<td>MTH 1322</td>
<td>Calculus II</td>
<td>3</td>
<td>MTH 2321</td>
<td>Calculus III</td>
<td>3</td>
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<td>Lifetime Fitness</td>
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<tr>
<td>PHY 1420</td>
<td>General Physics I</td>
<td>4</td>
<td>See Reverse</td>
<td>Foreign Language</td>
<td>3</td>
<td>CHEM 2216</td>
<td>Lab Measurements &amp; Techniques</td>
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<td>Lifetime Fitness</td>
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<td>CHEM 2423</td>
<td>CHE 3331**</td>
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### Junior Year

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<th>BU</th>
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<tbody>
<tr>
<td>PHIL 1317</td>
<td>REL 1350</td>
<td>Christian Heritage</td>
<td>3</td>
<td>ENGL 2321 or 2322</td>
<td>ENGL 2301</td>
<td>British Literature</td>
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<tr>
<td>BIOL 1406</td>
<td>BIO 1305-1105</td>
<td>Modern Concepts of Bioscience I with Lab</td>
<td>4</td>
<td>BIOL 1406</td>
<td>BIO 1306-1105</td>
<td>Modern Concepts of Bioscience II with Lab</td>
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<tr>
<td>MTH 3325 or STA 2381</td>
<td>Ordinary Differential Equations or Introductory Statistical Methods</td>
<td>3</td>
<td>CHEM 4302</td>
<td>Descriptive Inorganic Chemistry</td>
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<tr>
<td>CHE 4321</td>
<td>Physical Chemistry I</td>
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<td>CHE 4341</td>
<td>General Biochemistry</td>
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<td>CHE 4128</td>
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<td>CHE 4141</td>
<td>Modern Biochemistry Lab</td>
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<td>CHE 4342</td>
<td>Topics in Human Biochemistry</td>
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<td>CHE 4127</td>
<td>Physical Chemistry Lab I</td>
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<td>CHE 4142</td>
<td>Advanced Biochemistry Lab</td>
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### Senior Year

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<th>Title</th>
<th>Hours</th>
<th>MCLENNAN</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
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<td>4000 Level Chemistry Lecture Course</td>
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<td>CHE 4316</td>
<td>Instrumental Analysis</td>
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<td>CHE 4151</td>
<td>Undergraduate Seminar I</td>
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<td>4000 Level Chemistry Lab</td>
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<tr>
<td>ENG 3300</td>
<td>Professional and Technical Writing</td>
<td>3</td>
<td>CHE 4001</td>
<td>Exit Examination</td>
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<tr>
<td>See Reverse</td>
<td>PSC 2302</td>
<td>American Constitutional Development</td>
<td>3</td>
<td>ENGL 2326,2327,2328 or 2331,2332,2333</td>
<td>ENGL 2304 or 2306</td>
<td>American or World Literature</td>
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<tr>
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<td>History/Social Science</td>
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<td>See Reverse</td>
<td>History/Social Science</td>
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<td>Advanced Elective</td>
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</table>

### 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 4127 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: 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 4V99).
- English requirement: It is recommended that science majors take ENG 3300 their junior or senior year rather than ENG 1304.
- For more information, see the Baylor Undergraduate Catalog.

**CHEM 2423 and 2425 will count as CHE 2T01 and 2T02 organic chemistry I and II but will not count as advanced course work.

Please see reverse side for important information on general requirements."
### Bachelor of Science (BS) Degree Checklist (2017-2018 Baylor Undergraduate Catalog)

#### English:
- ENGL 1301: ENG 1302<br>Thinking and Writing
- ENGL 1302: ENG 1304<br>Thinking, Writing & Research
- ENGL 2321 or 2322: ENG 2301<br>British Literature
- ENGL 2326, 2327, 2328: ENG 2304<br>American Literature
- ENGL 2331, 2332, 2333: ENG 2306<br>World Literature

#### Science:
- BOL 1406: BIO 1305-1105<br>Modern Concepts of Bioscience
- BOL 1407: BIO 1306-1106<br>Modern Concepts of Bioscience, Continued
- GEOL 1403: GEO 1405<br>The Dynamic Earth
- GEOL 1404: GEO 1406<br>Earth Through Time
- NSC 1306-1106: Introduction to Neuroscience

#### History/Social Science:
- ANTH 2346: ANT 1305<br>Introduction to Anthropology
- ECON 1301: ECO 1305<br>Survey of Econ. Princ. For Non-bus. Majors
- ECON 1302: ECO 2306<br>Principles of Microeconomics
- ECON 1307: ECO 2307<br>Principles of Macroeconomics
- GEOG 1300: GEOG 1300<br>World Geography
- HIST 2321: HIS 1305<br>World History to 1500
- HIST 2322: HIS 1307<br>World History since 1500
- HIST 1301: HIS 2365<br>History of the U.S. to 1877
- HIST 1302: HIS 2366<br>History of the U.S. since 1877
- PHIL 2303: PHI 1306<br>Logic
- PHIL 2374: PHI 1307<br>Critical Thinking
- PHIL 2306: PHI 1308<br>Introduction to Ethics
- PHIL 1301: PHI 1321<br>Introduction to Philosophy
- PHIL 3301: PHI 3310<br>Moral Philosophy
- PHIL 3311: PHI 3312<br>History of Philosophy: Classical
- GOVT 2305: PSC 1305<br>American National Government
- GOVT 2306: PSC 1306<br>American State & Local Government
- PSYC 2301: PSY 1305<br>Introductory Psychology
- SOCI 1301: SOC 1305<br>Introduction to Sociology

#### Political Science:
- GOVT 2305 AND 2306: PSC 2302<br>American Constitutional Development

(Note: Both GOVT 2305 and 2306 must be complete before coming to Baylor to receive credit for PSC 2302. This course may not be transferred from another school after the student has earned hours at Baylor.)

#### Lifeline Fitness: Four activity courses are required

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### Foreign Language: To be fulfilled with one of the following options:

- A. Complete ONE Modern or Classical language through the 2320 level
- B. Complete TWO Classical languages through the 1302 or 1402 level.

Two languages from Latin, Greek, and Hebrew may be used. (It is strongly recommended that the language requirement be started during the first year of residence work. Chemistry, Biochemistry, and Mathematics majors are required to take a modern foreign language.)

**Taught at Baylor; no equivalent course at McLennan**
- Modern Languages: Arabic (ARB), Chinese (CHI), Italian (ITA), Japanese (JPN)
- Classical Languages: Korean (KOR), Portuguese (POR), Russian (RUS), Swahili (SWA)

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**Taught at Baylor; no equivalent course at McLennan**
- Modern Languages: Latin (LAT), Greek (GKC)
- Classical Languages: Hebrew (HEB), Russian (RUS), Swahili (SWA)

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### Lifeline Fitness: Four activity courses are required

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### Modern Languages: Arabic (ARB), Chinese (CHI), Italian (ITA), Japanese (JPN)

### Classical Languages: Korean (KOR), Latin (LAT), Portuguese (POR), Russian (RUS), Greek (GKC), Hebrew (HEB), Swahili (SWA)