# Bachelor of Science in Biology

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

### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>MIDLAND</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>CHA 1088</td>
<td>BU</td>
<td>Chapel</td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>ENGL 1301</td>
<td>BU</td>
<td>Thinking and Writing</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>See Reverse</td>
<td>BU</td>
<td>Math</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>See Reverse</td>
<td>BU</td>
<td>Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>CHEM 1411</td>
<td>BU</td>
<td>Basic Principles of Modern Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>BIOL 1406</td>
<td>BU</td>
<td>Modern Concepts of Bioscience I with Lab</td>
<td>4</td>
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</tbody>
</table>

**Total Hours:** 18

### Sophomore Year

<table>
<thead>
<tr>
<th>Semester</th>
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<th>BU</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>MTH 1322 or STA 2381</td>
<td>BU</td>
<td>Calculus II or Introductory Statistics</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>REL 1310</td>
<td>BU</td>
<td>Christian Scriptures</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>See Reverse</td>
<td>BU</td>
<td>Foreign Language</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHEM 2425</td>
<td>BU</td>
<td>Organic Chemistry II</td>
<td>3</td>
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<tr>
<td></td>
<td>BIOL 2416</td>
<td>BU</td>
<td>Genetics with Lab</td>
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**Total Hours:** 17

### Junior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>MIDLAND</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>ENGL 2321 or 2322</td>
<td>BU</td>
<td>British Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>GEO 1403 or 1404</td>
<td>BU</td>
<td>The Dynamic Earth or Earth through Time</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>PHY 1408 or 1420</td>
<td>BU</td>
<td>General Physics I</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>See Reverse</td>
<td>BU</td>
<td>Lifetime Fitness</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>See Below</td>
<td>BU</td>
<td>Biology Group 1</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours:** 16

### Senior Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>MIDLAND</th>
<th>BU</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>See Below</td>
<td>BU</td>
<td>Biology Elective*</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Advanced Elective*</td>
<td>BU</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>BU</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Elective*</td>
<td>BU</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>See Below</td>
<td>BU</td>
<td>Biology Elective</td>
<td>4</td>
</tr>
</tbody>
</table>

**Total Hours:** 16

### Notes:

- This program is designed for students who desire a strong, diverse background in the sciences.
- **Pre-Biology:** Students interested in biology as a major will choose the pre-biology designation upon enrollment at Baylor. To declare a major in Biology (BA or BS, all concentrations), a student must complete, with grades of "C" or better, either BIO 1305-1105 or 1405 and either BIO 1306-1106 or 1406 or their equivalents. Students may transfer credit for these courses (assuming grades of "C" or better) as long as the courses were taken prior to initial matriculation to Baylor. Students may repeat each of these introductory courses only once if they fail to make a "C" or better the first time they take the course. A separate requirement is in place for students who wish to declare a pre-health care concentration (BA or BS plan) in Biology. In addition to the basic requirements above, these students must earn grades of B or better in either BIO 1305 or 1405 and in either BIO 1306 or 1406 on their first attempt at the course. Students who transfer to Baylor with credit on record for BIO 1305-1105 or 1405 and BIO 1306-1106 or 1406 will be eligible to declare Biology as a major upon initial enrollment at Baylor provided that minimum grade requirements are met as outlined above. Students who earn a score of 5 on the AP examination in Biology will be eligible to declare Biology (all concentrations) as a major upon enrollment. Students may only remain in the pre-biology designation until completion of 90 hours. Students who have not met the admission requirement at 90 hours will not advance to the biology major and must change degree programs.

- **English requirement:** Students majoring in the sciences may take ENG 3300 instead of ENG 1304.
- **For more information, see the Baylor Undergraduate Catalog.**
- Because of the number of electives, there is enough room for a minor with this major. Students interested in teaching should contact the School of Education for information about a Science Education Certification.

Please see reverse side for important information on general requirements.
# Bachelor of Science (BS) Degree Checklist

## (2017-2018 Baylor Undergraduate Catalog)

<table>
<thead>
<tr>
<th>Midland Course</th>
<th>Baylor Course</th>
<th>Baylor Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1301</td>
<td>ENG 1302</td>
<td>Thinking and Writing</td>
</tr>
<tr>
<td></td>
<td>ENG 1304</td>
<td>Thinking, Writing &amp; Research</td>
</tr>
<tr>
<td>ENGL 2321 or 2322</td>
<td>ENG 2301</td>
<td>British Literature</td>
</tr>
<tr>
<td>ENGL 2326</td>
<td>ENG 2304</td>
<td>American Literature</td>
</tr>
<tr>
<td>ENGL 2331, 2332, 2333</td>
<td>ENG 2306</td>
<td>World Literature</td>
</tr>
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</table>

### History/Social Science:

<table>
<thead>
<tr>
<th>Midland Course</th>
<th>Baylor Course</th>
<th>Baylor Title</th>
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</thead>
<tbody>
<tr>
<td>ANT 1305</td>
<td>PHI 1306</td>
<td>Introduction to Anthropology</td>
</tr>
<tr>
<td>ANT 3301</td>
<td>PHI 1307</td>
<td>Science, Society, and Culture</td>
</tr>
<tr>
<td>ECO 1305</td>
<td>PHI 1308</td>
<td>Survey of Eco. Princ. For Non-bus. Majors</td>
</tr>
<tr>
<td>ECO 2306</td>
<td>PHI 1321</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>ECO 2307</td>
<td>PHI 3301</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>GEOG 1300</td>
<td>PHI 3310</td>
<td>World Geography</td>
</tr>
<tr>
<td>HIST 2302</td>
<td>HIS 1305</td>
<td>World History to 1500</td>
</tr>
<tr>
<td>HIST 2322</td>
<td>HIS 1307</td>
<td>World History since 1500</td>
</tr>
<tr>
<td>HIST 1301</td>
<td>HIS 1365</td>
<td>History of the U.S. to 1877</td>
</tr>
<tr>
<td>HIST 1302</td>
<td>HIS 1366</td>
<td>History of the U.S. since 1877</td>
</tr>
<tr>
<td>PHIL 2303</td>
<td>PHI 1306</td>
<td>Logic</td>
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<tr>
<td>PHIL 2306</td>
<td>PHI 1307</td>
<td>Critical Thinking</td>
</tr>
<tr>
<td>PHIL 1301</td>
<td>PHI 1321</td>
<td>Introduction to Philosophy</td>
</tr>
<tr>
<td>PHIL 3301</td>
<td>PHI 3311</td>
<td>Moral Philosophy</td>
</tr>
<tr>
<td>PHIL 3312</td>
<td>PHI 3312</td>
<td>History of Philosophy: Classical</td>
</tr>
<tr>
<td>GOVT 2302 or 2305</td>
<td>PSC 1305</td>
<td>American National Government</td>
</tr>
<tr>
<td>GOVT 2301 or 2306</td>
<td>PSC 1306</td>
<td>American State &amp; Local Government</td>
</tr>
<tr>
<td>PSYC 2301</td>
<td>PSY 1305</td>
<td>Introductory Psychology</td>
</tr>
<tr>
<td>SOCI 1301</td>
<td>SOC 1305</td>
<td>Introduction to Sociology</td>
</tr>
</tbody>
</table>

### Science:

<table>
<thead>
<tr>
<th>Midland Course</th>
<th>Baylor Course</th>
<th>Baylor Title</th>
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</thead>
<tbody>
<tr>
<td>BIOL 1406</td>
<td>BIO 1305-1105</td>
<td>The Dynamic Earth</td>
</tr>
<tr>
<td>BIOL 1407</td>
<td>BIO 1306-1106</td>
<td>Earth Through Time</td>
</tr>
<tr>
<td>CHEM 1411</td>
<td>CHE 1301-1101</td>
<td>Basic Principles of Chemistry I</td>
</tr>
<tr>
<td>CHEM 1412</td>
<td>CHE 1302-1102</td>
<td>Basic Principles of Chemistry II</td>
</tr>
</tbody>
</table>

### Mathematical Science:

<table>
<thead>
<tr>
<th>Midland Course</th>
<th>Baylor Course</th>
<th>Baylor Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 2413</td>
<td>MTH 1320</td>
<td>Pre-Calculus</td>
</tr>
<tr>
<td>MATH 2414</td>
<td>MTH 1322</td>
<td>Calculus II</td>
</tr>
</tbody>
</table>

### Foreign Language:

To be fulfilled with one of the following options:

- Complete ONE Modern or Classical language through the 2320 level OR
- 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.)

### Political Science:

<table>
<thead>
<tr>
<th>Midland Course</th>
<th>Baylor Course</th>
<th>Baylor Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GOVT 2305 AND 2306</td>
<td>PSC 2302</td>
<td>American Constitutional Development</td>
</tr>
</tbody>
</table>

(Notes: 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.)

### Lifetime Fitness:

Four activity courses are required

### Modern and Classical Languages:

<table>
<thead>
<tr>
<th>Modern Languages</th>
<th>Classical Languages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arabic (ARB)</td>
<td>Korean (KOR)</td>
</tr>
<tr>
<td>Hebrew (HEB)</td>
<td>Chinese (CHI)</td>
</tr>
<tr>
<td>Portuguese (PSR)</td>
<td>Latin (LAT)</td>
</tr>
<tr>
<td>Italian (ITA)</td>
<td>Russian (RUS)</td>
</tr>
<tr>
<td>Japanese (JPN)</td>
<td>Swahili (SWA)</td>
</tr>
</tbody>
</table>

Taught at Baylor; no equivalent course at Midland