# Baylor Bound Major Academic Planner

## Bachelor of Science in Biology - Ecology Concentration

A Suggested Sequence of Required Courses for a Collin transfer student (2014-2015 Catalog)

### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collin BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Thinking and Writing</td>
</tr>
<tr>
<td>ENG 1301</td>
<td>Christian Scriptures</td>
</tr>
<tr>
<td>MATH 1320 Pre-calculus</td>
<td>3</td>
</tr>
<tr>
<td>See reverse</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>17</td>
<td>17</td>
</tr>
</tbody>
</table>

### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collin BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>CHA 1088 Chapel</td>
<td>0</td>
</tr>
<tr>
<td>See reverse</td>
<td>MATH 2414</td>
</tr>
<tr>
<td>MTH 1122 or STA 2381 Calculus II or Introductory Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1411</td>
<td>CHE 1301/1101 Basic Principles of Modern Chemistry w/lab</td>
</tr>
<tr>
<td>See reverse</td>
<td>Foreign Language</td>
</tr>
<tr>
<td>17</td>
<td>18</td>
</tr>
</tbody>
</table>

### Junior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collin BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>See reverse</td>
<td>PSC 2302</td>
</tr>
<tr>
<td>See below</td>
<td>PHY 1408 or PHY 1420 General Physics I</td>
</tr>
<tr>
<td>16</td>
<td>18</td>
</tr>
</tbody>
</table>

### Senior Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collin BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>BIO 3324/3124, 4323/4123, 4406, 4414, 4418, 4422, 4427 or 4428</td>
<td>4</td>
</tr>
<tr>
<td>BIO 4322 Ichthyology, Parasitology, Aquatic Biology, Taxonomy of Flowering Plants, Biology of Wetlands &amp; Aquatic Vascular Plants, or Ichthyology</td>
<td>4</td>
</tr>
<tr>
<td>18</td>
<td>14</td>
</tr>
</tbody>
</table>

### Notes:
- 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. Students may only remain in the pre-biology designation until completion of 60 hours. Students who have not met the admission requirement at 60 hours will not advance to the biology major and must change degree programs. Students who transfer credit to Baylor for BIO 1305-1105 or 1405 and BIO 1306-1106 or 1406, all with grades of "C" or better, on their record will be eligible to declare biology as a major upon initial enrollment at Baylor. Students who receive 5 on the AP examination will be eligible to declare biology as a major upon initial enrollment at Baylor even if they elect to take the introductory course sequence.

- Field Station Requirement: A unique feature of this program is the requirement of full-time off-campus studies through courses taken at an academically recognized Field Station sponsored by a national or international university. BIO 4404, taken for four hours credit, may be substituted for the field station requirement. This course substitution must be approved, in advance, by the Ecology Track Director and department chair.

- A grade of "C" or better in 31 hours of biology courses used for the major AND in all courses required in non-Biology area of your audit.

- BIO 1305-1105 and 1306-1106 are prerequisite to all "2000" and above level courses in biology. Non-biology majors may be admitted to upper-level courses without these prerequisites with consent of instructor and department chair.

- BIO 1401, 1402, 1403, 2401, and 2402 cannot be used to satisfy the minimum number of semester hours required for a major in biology.

- BIO Electives: At least 11 hours can be chosen from BIO 3300, 3340, 4310, 4365, 4381, 4386, 4405, 4416, 4418, 4428 (or any of those classes within the semesters above that you did not choose when given a choice).

- CHE Elective: Students may either take CHE 1341 and 1146 or CHE 3238, 3331 and 3332.

- English requirement: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.

- For more information, see the Baylor Undergraduate Catalog.

*Students interested in teaching should contact the School of Education for more information about the Science Education minor.

Please see reverse side for important information on general requirements.
## BACHELOR OF SCIENCE (BS) DEGREE CHECKLIST
(2013-2014 BAYLOR UNDERGRADUATE CATALOG)

<table>
<thead>
<tr>
<th>Collin 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>ENGL 1302</td>
<td>ENG 1304</td>
<td>Thinking, Writing &amp; Research</td>
</tr>
<tr>
<td>ENGL 2322</td>
<td>ENG 2301</td>
<td>British Literature</td>
</tr>
<tr>
<td>ENGL 2327 or 2328</td>
<td>ENG 2304</td>
<td>American Literature</td>
</tr>
<tr>
<td>ENGL 2332 or 2333</td>
<td>ENG 2306</td>
<td>World Literature</td>
</tr>
</tbody>
</table>

**HISTORY/SOCIAL SCIENCE:**
- ANT 1305: Introduction to Anthropology
- ANT 3301: Science, Society, and Culture
- ECO 1301: Survey of Eco. Principles For Non-bus. Majors
- ECO 2306: Principles of Microeconomics
- ECO 2307: Principles of Macroeconomics
- GEOG 1303: GEOG 1300: World Geography
- HIST 2321: HIS 1305: World History to 1500
- HIST 2322: HIS 1307: World History since 1500
- HIST 1301: HIS 2365: History of the U.S. to 1877
- HIST 1302: HIS 2366: History of the U.S. since 1877
- PHI 2303: PHI 1306: Logic
- PHI 1307: Critical Thinking
- PHIL 2306: PHI 1308: Introduction to Ethics
- PHIL 1301: PHI 1321: Introduction to Philosophy
- PHI 3301: Moral Philosophy
- PHI 3310: History of Philosophy: Classical
- PHI 3312: History of Philosophy: Modern Europe
- GOVT 2305 OR 2302: PSC 1305: American National Government
- GOVT 2306 OR 2301: PSC 1306: American State & Local Government
- PSYC 2301: PSY 1305: Introductory Psychology
- SOCI 1301: SOC 1305: Introduction to Sociology
- GOVT 2305 AND 2306: PSC 2302: American Constitutional Development

Note: Both GOVT 2301 AND 2302 or 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

**SCIENCE:**
- BOL 1406: BIO 1305-1105: Modern Concepts of Bioscience
- BOL 1407: BIO 1306-1106: Modern Concepts of Bioscience, Continued
- GEOL 1403: GEO 1405: The Dynamic Earth
- GEOL 1404: GEO 1406: Earth Through Time
- NSC 1306-1106: Introduction to Neuroscience
- CHEM 1411: CHE 1301-1101: Basic Principles of Chemistry I
- CHEM 1412: CHE 1302-1102: Basic Principles of Chemistry II
- PHYS 1408: Gen. Physics for Nat. & Behavioral Sci.1
- PHYS 1420: General Physics I
- PHYS 1430: General Physics II
- ENVR 1401: ENV 1301-1101: Exploring Environmental Issues and lab
- ENV 1303-1103: Wildlife Ecology and lab

**MATH:**
- MTH 1320: Pre-Calculus
- MATH 2413: MTH 1321: Calculus I
- MATH 2414: MTH 1322: Calculus II

**FOREIGN LANGUAGE:** To be fulfilled with one of the following options:
A. Complete ONE Modern or Classical language through the 2320 level OR
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.)

- ARAB 1411: ARB 1401: Elementary Spoken Modern Standard Arabic
- ARAB 1412: ARB 1402: Elementary Spoken Modern Standard Arabic II
- ARB 2310: Intermediate Arabic
- ARB 2320: Intermediate Arabic II
- FREN 1411: FRE 1401: Elementary French I
- FREN 1412: FRE 1402: Elementary French II
- FRE 2310: Intermediate French I
- FRE 2320: Intermediate French II
- ITAL 1411: ITA 1401: Elementary Italian
- ITAL 1412: ITA 1402: Elementary Italian II
- ITA 2310: Intermediate Italian
- ITA 2320: Intermediate Italian II
- JAPN 1411: JPN 1401: Introductory Japanese
- JAPN 1412: JPN 1402: Elementary Japanese
- JPN 2310: Intermediate Japanese
- JPN 2320: Intermediate Japanese II
- SPAN 1412: SPA 1401: Elementary Spanish I
- SPAN 2311: SPA 1402: Elementary Spanish II
- SPAN 2312: SPA 2310: Intermediate Spanish I
- SPA 2320: Intermediate Spanish II

Offered at Baylor:

- Modern Languages: Classical Languages:
  - Chinese (CHI)
  - German (GER)
  - Latin (LAT)
  - Korean (KOR)
  - Portuguese (POR)
  - Greek (GKC)
  - Russian (RUS)
  - Swahili (SWA)
  - Hebrew (HEB)