**BAYLOR BOUND MAJOR ACADEMIC PLANNER**

**Bachelor of Science in Biology - Ecology Concentration**

*A Suggested Sequence of Required Courses for an Alamo transfer student (2014-2015 Catalog)*

### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>BU Title</th>
<th>Hours</th>
<th>Spring</th>
<th>BU Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>ENGL 1301</td>
<td>Thinking and Writing</td>
<td>3</td>
<td>ENGL 1302</td>
<td>Thinking and Writing</td>
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<tr>
<td></td>
<td>BIO 1305</td>
<td>General Zoology</td>
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<tr>
<td></td>
<td>CHEM 1311</td>
<td>Basic Organic Chemistry</td>
<td>4</td>
<td>CHEM 1312</td>
<td>Basic Organic Chemistry</td>
<td>4</td>
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<tr>
<td></td>
<td>PHYS 1408</td>
<td>General Physics I</td>
<td>4</td>
<td>PHYS 1409</td>
<td>General Physics I</td>
<td>4</td>
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<tr>
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<td>BIO 1406</td>
<td>General Ecology</td>
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<td>BIO 1407</td>
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### Sophomore Year

<table>
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<tr>
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<th>BU Title</th>
<th>Hours</th>
<th>Spring</th>
<th>BU Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sophomore</td>
<td>ENGL 2322</td>
<td>British Literature</td>
<td>3</td>
<td>See reverse</td>
<td>English</td>
<td>3</td>
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<tr>
<td></td>
<td>CHEM 2311</td>
<td>Organic Chemistry</td>
<td>4</td>
<td>CHEM 2312</td>
<td>Organic Chemistry</td>
<td>4</td>
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<td></td>
<td>MATH 2414</td>
<td>Calculus II</td>
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<td>MATH 2415</td>
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<td>BIOL 2416</td>
<td>Animal Biology</td>
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<td>BIOL 2417</td>
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<td></td>
<td>GEO 1406</td>
<td>The Dynamic Earth or Earth through Time</td>
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<td>GEO 1407</td>
<td>The Dynamic Earth or Earth through Time</td>
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### Junior Year

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<th>Hours</th>
<th>Spring</th>
<th>BU Title</th>
<th>Hours</th>
</tr>
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<tbody>
<tr>
<td>Junior Year</td>
<td>BAYLOR BU Title</td>
<td>Hours</td>
<td>BAYLOR BU Title</td>
<td>Hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>See reverse</td>
<td>Chemistry Elective</td>
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<td>See reverse</td>
<td>American Constitutional Development</td>
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<tr>
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<td>BIOL 3422</td>
<td>Human Physiology, Plant Physiology, or Comparative Vertibrate Physiology</td>
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<td>BIOL 3422</td>
<td>Human Physiology, Plant Physiology, or Comparative Vertibrate Physiology</td>
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<tr>
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<td>PHY 1420</td>
<td>General Physics I</td>
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<td>PHY 1421</td>
<td>General Physics I</td>
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<td>BIO 4418</td>
<td>Advanced Elective</td>
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<td>BIO 4419</td>
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<td>GEO 1403</td>
<td>The Earth</td>
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<td>GEO 1404</td>
<td>The Earth</td>
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### Senior Year

<table>
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<tr>
<th>Semester</th>
<th>Fall</th>
<th>BU Title</th>
<th>Hours</th>
<th>Spring</th>
<th>BU Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Senior Year</td>
<td>BAYLOR BU Title</td>
<td>Hours</td>
<td>BAYLOR BU Title</td>
<td>Hours</td>
<td></td>
<td></td>
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<td>BIO 3324</td>
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<td>BIO 3325</td>
<td>Advanced Elective</td>
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<td>GEOL 1404</td>
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<td>GEOL 1405</td>
<td>The Dynamic Earth or Earth through Time</td>
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<tr>
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<td>Organic Chemistry</td>
<td>4</td>
<td>CHEM 1313</td>
<td>Organic Chemistry</td>
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### Notes:
- This program is designed for students with interests in field studies, especially for those considering a career in subjects such as fisheries and wildlife, forestry, conservation, pollution assessment and related areas and/or those anticipating graduate studies in ecology and environmental biology. Students will be advised to take courses representing systems ecology, physiological ecology, and organismal biology.
- 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 4V04, 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.
- All courses must be completed with grades of "C" or better unless noted as prerequisite.
- 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.
ALAMO COURSE | BAYLOR COURSE | BAYLOR TITLE
--- | --- | ---
ENGL 1301 | ENG 1302 | Thinking and Writing
ENGL 1302 | ENG 1304 | Thinking, Writing & Research
ENGL 2322 | ENG 2301 | British Literature
ENGL 2327 or 2328 | ENG 2304 | American Literature
ENGL 2332 or 2333 | ENG 2306 | World Literature

HISTORY/SOCIAL SCIENCE:

ANT 1305 | Introduction to Anthropology
ANT 3301 | Science, Society, and Culture
ECON 1301 | ECO 1305 | Survey of Eco. Princ. For Non-bus. Majors
ECON 2306 | Principles of Microeconomics
ECON 2307 | Principles of Macroeconomics
GEOG 1303 | GEOG 1300 | World Geography
HIS 1305 | World History to 1500
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
PHIL 2303 | PHI 1306 | Logic
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 2302 or 2305 | 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 or 2302) AND (2306 or 2301) | PSC 2302 | American Constitutional Development

Note: Both GOVT (2305 or 2302) AND (2306 or 2301) 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. This substitution is not available for Political Science majors.

LIFETIME FITNESS: Four activity courses are required

ENGLISH:

SCIENCE:

BACHelor of science (BS) Degree CheckList
(2014-2015 Baylor Undergraduate Catalog)

BIOL 1406 | BIO 1305-1105 | Modern Concepts of Bioscience
BIOL 1407 | BIO 1306-1106 | Modern Concepts of Bioscience, Continued
GEOL 1404 | GEO 1405 | The Dynamic Earth
CHEM 1311/1111 | CHE 1301-1101 | Basic Principles of Chemistry I
CHEM 1312/1112 | CHE 1302-1102 | Basic Principles of Chemistry II
PHY 1420 | General Physics I
PHY 1430 | General Physics II
ENV 1303-1103 | Wildlife Ecology and lab

Note: Both GOVT (2305 or 2302) AND (2306 or 2301) 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. This substitution is not available for Political Science majors.

LIFETIME FITNESS: Four activity courses are required

MATH:

MATH 2413 | MTH 1320 | Pre-Calculus
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 Arabic I
ARAB 1412 | ARB 1402 | Elementary Arabic II
CHIN 1411 | CHI 1401 | Elementary Chinese I
CHIN 1412 | CHI 1402 | Elementary Chinese 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
GERM 1411 | GER 1401 | Elementary German I
GERM 1412 | GER 1402 | Elementary German II
LATI 1311 | LAT 1301 | Elementary Latin I
LATI 1312 | LAT 1302 | Elementary Latin II
LATI 2311 | LAT 2310 | Intermediate Latin I
LATI 2312 | LAT 2320 | Intermediate Latin II
SPAN 1412 | SPA 1401 | Elementary Spanish I
SPAN 2311 | SPA 1402 | Elementary Spanish II
SPAN 2312 | SPA 2310 | Intermediate Spanish I
SPAN 2320 | Intermediate Spanish II

Taught at Baylor; no equivalent course at Alamo

Modern Language: Classical Languages:

Korean (KOR) | Portuguese (POR) | Greek (GRK)
Swahili (SWA) | Russian (RUS) | Hebrew (HBR)