### Bachelor of Arts in Biology - Science Education Concentration

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

#### Freshman Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>Summer</td>
<td>First</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>ENGL 1301</td>
<td>Thinking and Writing</td>
<td>3</td>
</tr>
<tr>
<td>REL 1310</td>
<td>Christian Scriptures</td>
<td>3</td>
</tr>
<tr>
<td>See reverse</td>
<td>Social Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1320</td>
<td>Pre-Calculus</td>
<td>3</td>
</tr>
<tr>
<td>CHE 1301/1111</td>
<td>Basic Princ of Mod Chemistry w/lab</td>
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**Sophomore Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Sophomore</td>
<td>Summer</td>
<td>First</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>English</td>
<td>American or World Literature</td>
<td>3</td>
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<tr>
<td>See reverse</td>
<td>Historical Studies</td>
<td>3</td>
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</table>

**Junior Year**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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</thead>
<tbody>
<tr>
<td>Junior</td>
<td>Summer</td>
<td>First</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>CHEM 1331</td>
<td>Organic Chemistry</td>
<td>3</td>
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<tr>
<td>See reverse</td>
<td>Biological Elective - Group 1</td>
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</tr>
<tr>
<td>TESL 3190</td>
<td>Teaching Associate Secondary Part I</td>
<td>3</td>
</tr>
<tr>
<td>TESL 3387</td>
<td>Secondary Science Practicum I</td>
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**Senior Year**

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<th>Semester</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
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<td>Senior</td>
<td>Summer</td>
<td>First</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
<td>Hours</td>
</tr>
<tr>
<td>Temple BU</td>
<td>BU Title</td>
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<tr>
<td>Biology Elective - Group 3</td>
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<td>Biology Elective</td>
</tr>
<tr>
<td>BIO 1406</td>
<td>Earth Science or Descriptive Astronomy</td>
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</tr>
<tr>
<td>PHI 1555</td>
<td>Earth Through Time</td>
<td>4</td>
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**Notes about major requirements:**

- **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 BIOL 1305-1105 or 1405 and either BIOL 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 major and must change degree programs. Students who transfer credit to Baylor for BIOL 1305-1105 or 1405 and BIOL 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.

- **Secondary Education Science Minor requirements:** Students will declare the minor through the advising office of the School of Education (SOE). The SOE will advise for the courses in the minor. The CASA office will advise for the major in Biology. This minor will require the completion of 24 hours in teacher education courses. The minimum GPA required to remain in the minor are: 2.6 overall; 2.6 Biology; 2.6 Teacher Education. Other requirements for recommendation for certification include: acceptable scores on the Teacher Examinations for Educators Standards (TExES) for both teaching area (science) and Pedagogy and Professional Responsibilities.

- **Students will complete an internship during the spring of their senior.** Another option is to complete the internship during the fall of a 5th year if necessary.

- **BIOL 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.**

- **For more information, see the Baylor Undergraduate Catalog.**

Please see reverse side for important information on general requirements.
**TEMPLE COURSE** | **BAYLOR COURSE** | **BAYLOR TITLE**
---|---|---
**ENGLISH:**
ENGL 1301 & ENGL 1302 | Thinking and Writing | **AREA 1:**
ENGL 1302 & ENGL 1304 | Thinking, Writing & Research | BIO 1401 | Current Issues in Human Biology
ENGL 2322 | British Literature | BIO 1403 | Exploring the Living World
ENGL 2327 or 2328 & ENGL 2304 | American Literature | BIOL 1406 | Modern Concepts of Bioeconomics
ENGL 2332 or 2333 & ENGL 2306 | World Literature | BIOL 1407 | Modern Concepts of Bioeconomics: Continued
**FINE ARTS:** Three courses, each from a different areas (i.e. ART, THEA, MUS, etc.):
ARTS 1301 & ART 1300 | Introduction to Art | CHEM 1405 | Introduction to Chemistry
ARTS 1303 & ART 2302 | History of Art I | CHEM 1301-1100 | **Credit allowed for only one of these courses.
ARTS 1304 & ART 2303 | History of Art II | CHEM 1311-1111 | Basic Principles of Chemistry I
CLA 3380 | Classical Mythology | CHEM 1312-1112 | Basic Principles of Chemistry II
FCS 3313 | Historical Design I | CHE 1401 | Earthquakes & other Natural Disasters
FCS 4313 | Historical Design II | CHE 1341-1146 | Introductory Organic Biochemistry
FAS 1306 | INTRODUCTION TO MASS COMMUNICATION |
JOU/DM 1303 | Introduction to Mass Communication |
MUSI 1306 | MUS 1220 | Introduction to Music |
MUS 3322 | American Popular Music |
mus 3323 | History of Jazz |
SPCH 1311 or 1315 | CSS 1301 | Fundamentals of Public Communications |
SPCH 1321 | CSS 1302 | Speech for Business and Professional Students |
CSS 1304 | Argumentation, Discussion, and Debate |
DRAM 1310 | THEA 1206 | Theatre Appreciation |
THEA 2374 | History of Theatre |
**HISTORY:**
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 |
**SOCIAL SCIENCES:** Three courses, each from a different areas (i.e. ANT, SOC, PSY, etc.):
ANTH 2346 | ANT 1305 | Introduction to Anthropology |
ANT 1301 | ANT 2303 | Science, Society, and Culture |
ECO 1305 | Survey of Eco. Principles For Non-bus. Majors |
ECO 2306 | Principles of Microeconomics |
ECO 2307 | Principles of Macroeconomics |
FAS 1303 | FAS 1305 |
GEOG 1301 | GEOG 1300 | World Geography |
HNR 3100 |
HNR 1301 |
HNR 2300 |
HNR 3204 |
PHIL 2303 | PHI 1306 | Logic |
PHI 1307 | PHI 1302 | Critical Thinking |
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 |
PHI 3322 | Philosophy and the Arts (for Art majors) |
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 |
SOC 1301 | SOC 1305 | Introduction to Sociology |
SOC 1305 | American Constitutional Development |
**LAB SCIENCE:** One course from each area:
AREA 1:
BIO 1301 | Current Issues in Human Biology |
BIO 1403 | Exploring the Living World |
BIOL 1406 | BIO 1305-1105 | Modern Concepts of Bioeconomics |
BIOL 1407 | BIO 1306-1106 | Modern Concepts of Bioeconomics: Continued |
GEO 1401* | Earthquakes & other Natural Disasters |
GEO 1402 | World Oceans |
GEO 1403* | Environmental Geology |
GEO 1405* | The Dynamic Earth |
GEO 1406 | Earth Through Time |
GEO 1408 | Earth Science |
NSC 1306-1106 | Introduction to Neuroscience |
**AREA 2:**
CHEM 1405 | CHEM 1301-1100 | **Credit allowed for only one of these courses.
CHEM 1311-1111 | CHEM 1301-1101 | Basic Principles of Chemistry I
CHEM 1312-1112 | CHEM 1302-1102 | Basic Principles of Chemistry II
CHE 1341-1146 | Introductory Organic Biochemistry |
PHY 1401 | Physics for Non <: Stats |
PHY 1402 | General Physics for IA Students |
PHY 1407 | Sound and Acoustics |
PHY 1429 | General Physics I |
PHI 1455 | Descriptive Astronomy |
**AREA 3:**
A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics. OR
ANT 1404 | Intro to Human Evolution |
ENV 1301-1101 | Exploring Environmental Issues and lab |
ENV 1303-1103 | Wildlife Ecology and lab |
**MATH:**
MATH 1332 | MTH 1301 | Ideas in Mathematics |
MATH 2315 | MTH 1320 | Pre-Calculus |
MATH 2415 | MTH 1321 | Calculus I |
MATH 1342 | STA 1380 | Elementary Statistics |
**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.)

SPAN 1401 | SPA 1401 | Elementary Spanish I
SPAN 1402 | SPA 1402 | Elementary Spanish II
SPAN 2311 | SPA 2310 | Intermediate Spanish I
SPAN 2312 | SPA 2320 | Intermediate Spanish II

Only taught at Baylor

Modern Languages: Classical Languages:
Arabic (ARB) | Chinese (CHI) | Latin (LAT)
French (FRE) | German (GER) | Greek (GK)
Italian (ITA) | Japanese (JPN) | Hebrew (HEB)
Korean (KOR) | Portuguese (POR) |
Russian (RUS) | Swahili (SWA)

**LIFETIME FITNESS:** Four activity courses are required

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.

(2013-2014 BAYLOR UNDERGRADUATE CATALOG)