## Baylor Bound Major Academic Planner

### Bachelor of Arts in Biology

**A Suggested Sequence of Required Courses for a Collin Transfer Student (2017-2018 Catalog)**

#### Freshman Year

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>ENGL 1301</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>BU</td>
<td>ENGL 1302</td>
<td>English</td>
<td>3</td>
</tr>
<tr>
<td>BU</td>
<td>MATH 1320</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>BU</td>
<td>CHEM 1411</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>BU</td>
<td>BIOL 1406</td>
<td>Modern Concepts of Bioscience I</td>
<td>4</td>
</tr>
<tr>
<td>BU</td>
<td>CHEM 1301-1101</td>
<td>Basic Principles of Modern Chemistry I with Lab</td>
<td>4</td>
</tr>
<tr>
<td>BU</td>
<td>BIO 1305-1105</td>
<td>Modern Concepts of Bioscience II with Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Summer

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>STA 2381</td>
<td>Intro Statistics</td>
<td>3</td>
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#### Sophomore Year

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>REL 1310</td>
<td>Christian Scriptures</td>
<td>3</td>
</tr>
<tr>
<td>BU</td>
<td>CHE 3331**</td>
<td>Organic Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>BU</td>
<td>BIO 2396-2106</td>
<td>Genetics with Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Junior Year

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>PHY 1408 or 1420</td>
<td>General Physics for Natural and Behavioral Sciences I</td>
<td>4</td>
</tr>
<tr>
<td>BU</td>
<td>PHY 2426</td>
<td>General Physics for Natural and Behavioral Sciences II</td>
<td>4</td>
</tr>
</tbody>
</table>

#### Senior Year

<table>
<thead>
<tr>
<th>College</th>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BU</td>
<td>ENGL 2322</td>
<td>British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

Notes about Major Requirements:

- This program is designed for students with an interest in medicine, dentistry, podiatry, or other health related professions, as well as those anticipating graduate studies in these disciplines.

- **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.

- **Notes:**
- 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.

- **Course Notes:**
- Group 1: at least four hour semester hours from: BIO 3285, 3429, 4416, 4308-4108, or 4426
- Group 2: at least four semester hours from: BIO 3422, 4307-4107, 4417, or 4431
- Group 3: at least four semester hours from: BIO 3303-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4408, or 4V04
- BIO Electives: Choose 7 hours of electives. A maximum of 3 hours of Individual Topics may be used for elective credit.
- English requirement: Students are allowed to take either ENG 1304 or FAS 1118, 1128, and 1138. 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.*

**CHEM 2423 will count as CHEM 2T01 organic chemistry I but will not count as advanced course work.**

Please see reverse side for important information on general requirements.
### Collin Course

#### English:
- **ENGL 1301**: ENGL 1302: Thinking and Writing
- **ENGL 1302**: ENGL 1304: Thinking, Writing & Research
- **ENGL 2322**: ENGL 2301: British Literature
- **ENGL 2327 or 2328**: ENGL 2304: American Literature
- **ENGL 2332 or 2333**: ENGL 2306: World Literature

#### Fine Arts:
- Three courses, each from a different area (i.e. ART, THEA, MUS, etc.):
  - ARTS 1301: ART 1300: Introduction to Art
  - ARTS 1303: ART 2302: History of Art I
  - ARTS 1304: ART 2303: History of Art II

#### Communication:
- **COMM 1307**: SOJU/FDM 1301: Introduction to Mass Communication
- **MUS 1306**: MUS 1220: Introduction to Music
- **MUS 3322**: American Popular Music
- **MUS 3323**: History of Jazz

#### Chemistry & Society:
- **CHEM 1412**: Environmental Geology
- **PSY 2304**: Introduction to Psychology

#### History:
- **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

#### Mathematics:
- **MATH 1321**: Calculus I
- **MATH 2322**: Calculus II

#### Political Science:
- **GOVT 2305 AND 2306**: PSC 2302: American Constitutional Development

#### Social Sciences:
- **ANTH 2346**: ANTH 1305: Introduction to Anthropology
- **ANTH 2325**: ANTH 1302: Introduction to Global Health
- **ANTH 2302**: ANTH 2301: The Emergence of World Civilizations

### Baylor Course

#### English:
- **ENGL 1301**: ENGL 1302: Thinking and Writing
- **ENGL 1302**: ENGL 1304: Thinking, Writing & Research
- **ENGL 2322**: ENGL 2301: British Literature
- **ENGL 2327 or 2328**: ENGL 2304: American Literature
- **ENGL 2332 or 2333**: ENGL 2306: World Literature

#### Fine Arts:
- **ARTS 1301**: ART 1300: Introduction to Art
- **ARTS 1303**: ART 2302: History of Art I
- **ARTS 1304**: ART 2303: History of Art II

#### Communication:
- **COMM 1307**: SOJU/FDM 1301: Introduction to Mass Communication
- **MUS 1306**: MUS 1220: Introduction to Music
- **MUS 3322**: American Popular Music
- **MUS 3323**: History of Jazz

#### Chemistry & Society:
- **CHEM 1412**: Environmental Geology
- **PSY 2304**: Introduction to Psychology

#### History:
- **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

#### Mathematics:
- **MATH 1321**: Calculus I
- **MATH 2322**: Calculus II

#### Political Science:
- **GOVT 2305 AND 2306**: PSC 2302: American Constitutional Development

### Course Options

- **Lab Science**: One course from each area.

#### Area 1:
- **BIOL 1408**: BOI 1401: Current Issues in Human Biology
- **BIOL 1407**: BOI 1305:1105: Modern Concepts of Bioscience
- **BIOL 1406**: BOI 1306:1106: Modern Concepts of Bioscience, Continued
- **GEO 1404**: GEO 1401: Earthquakes & other Natural Disasters
- **GEO 1403**: GEO 1402: World Oceans
- **GEO 1405**: GEO 1403*: Environmental Geology
- **GEO 1404**: GEO 1405*: The Dynamic Earth
- **GEO 1407**: GEO 1404: Earth Through Time
- **GEO 1408**: GEO 1401: Earth Science
- **GEO 1409**: GEO 1409: Introduction to Neuroscience

#### Area 2:
- **CHEM 1405**: CHE 1300-1100**: Introduction to Chemistry
- **CHEM 1411**: CHE 1301-1101**: Basic Principles of Chemistry I
- **CHEM 1412**: CHE 1302-1102: Basic Principles of Chemistry II
- **CHEM 1414**: CHEM 1414-1146: Introductory Organic Biochemistry
- **CHE 1415**: CHE 1415: Chemistry & Society
- **CHE 1416**: CHE 1416: The Dynamic Earth
- **CHE 1417**: CHE 1417: Earth Through Time
- **CHE 1418**: CHE 1418: Earth Science
- **PHI 1305**: PHI 1305: General Physics for BA Students
- **PHI 1405**: PHI 1405: General Physics I
- **PHI 1455**: PHI 1401: General Physics I
- **PHI 1465**: PHI 1411: General Physics II

#### Area 3:
- A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics.
- **ANT 1404**: ANO 1404: Intro to Human Evolution
- **ENV 1401**: ENV 1401: Intro to to Human Evolution
- **ENV 1403**: ENV 1403: Intro to Environmental Science
- **ENV 1407**: ENV 1407: Intro to Environmental Science
- **FAS 1407**: FAS 1407: Freshman Academic Seminar: Science
- **FAS 1408**: FAS 1408: Science, Technology, and Society

### 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.)

### Lifelong Fitness:
- Four activity courses are required.