### Baylor Bound Major Academic Planner

**Bachelor of Arts in Biology - Pre-Health Care**

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

#### Freshman Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLIN BU CHA 1088 Chapel</td>
<td>0</td>
<td>COLLIN BU CHA 1088 Chapel</td>
<td>0</td>
</tr>
<tr>
<td>ENGL 1301 ENG 1302 Thinking and Writing</td>
<td>3</td>
<td>ENGL 1302 ENG 1304 Thinking, Writing, and Research</td>
<td>3</td>
</tr>
<tr>
<td>MTH 1320 Precalculus</td>
<td>3</td>
<td>MATH 2413 MTH 1321 Calculus I</td>
<td>3</td>
</tr>
<tr>
<td>See Reverse Foreign Language</td>
<td>4</td>
<td>See Reverse Foreign Language</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1411 CHE 1301-1101 Basic Principles of Modern Chemistry I with Lab</td>
<td>4</td>
<td>CHEM 1412 CHE 1302-1102 Basic Principles of Modern Chemistry II with Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1406 BIO 1305-1105 Modern Concepts of Bioscience II with Lab</td>
<td>4</td>
<td>BIOL 1407 BIO 1306-1106 Modern Concepts of Bioscience II with Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First</th>
<th>Hours</th>
<th>Second</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLIN BU STA 2381 Intro Statistics</td>
<td>3</td>
<td>COLLIN BU ENGL 2322 ENGL 2301 British Literature</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

#### Sophomore Year

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLLIN BU REL 1310 Christian Scriptures</td>
<td>3</td>
<td>COLLIN BU REL 1350 Christian Heritage</td>
<td>3</td>
</tr>
<tr>
<td>See Reverse Foreign Language</td>
<td>3</td>
<td>See Reverse Social Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2324 CHE 3311 Organic Chemistry I</td>
<td>3</td>
<td>CHE 2328 Organic Chemistry Lab</td>
<td>2</td>
</tr>
<tr>
<td>BIO 2306-2106 Genetics with Lab</td>
<td>4</td>
<td>BIO 3422 Human Physiology</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Reverse Lifetime Fitness</td>
<td>1</td>
<td>See Reverse Lifetime Fitness</td>
<td>1</td>
</tr>
<tr>
<td>PHY 1408 or 1420 General Physics I</td>
<td>4</td>
<td>PHY 1409 or 1430 General Physics II</td>
<td>4</td>
</tr>
<tr>
<td>BIO 4307 Biochemistry and Physiology of the Cell</td>
<td>3</td>
<td>BIO Elective</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fall</th>
<th>Hours</th>
<th>Spring</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 3425, 3429, 4308-4108, or 4426 Biology Elective</td>
<td>4</td>
<td>BIO 4001 Achievement Test</td>
<td>0</td>
</tr>
<tr>
<td>ENGL 2327,2328 or 2332,2333 ENG 2304 or 2306 American or World Literature</td>
<td>3</td>
<td>See Below BIO Elective</td>
<td>4</td>
</tr>
<tr>
<td>PHY 1408 or 4201, 1403, 2401, and 2042 cannot be used to satisfy the minimum number of semester hours required for a major in biology.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 1: at least four semester hours from: BIO 3425, 3429, 4308-4108, or 4426</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 2: at least four semester hours from: BIO 3422, 4307-4107, 4417, or 4431</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 3: at least four semester hours from: BIO 3301-3103, 3224-3242, 4405, 4406, 4414, 4418, 4422, 4427, 4408, or 4V04</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIO Electives: Choose 7 hours of electives. A maximum of 3 hours of Individual Topics may be used for elective credit.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>For more information, see the Baylor Undergraduate Catalog.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### 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 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.

- 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.

- 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.

---

**American Constitutional Development**

**British Literature**

**Thinking, Writing, and Research**

**Thinking and Writing**

**General Physics**

**Social Science**

**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.**

See reverse side for important information on general requirements.
ENGLISH:
ENGL 1301  ENG 1302  Thinking and Writing
ENGL 1302  ENG 1304  Thinking, Writing & Research
ENGL 2322  ENGL 2301  British Literature
ENGL 2327 or 2328  ENGL 2304  American Literature
ENGL 2332 or 2333  ENG 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

CLA 3380  Classical Mythology
FAS 1306  Freshman Academic Seminar: Fine Arts
COMM 2307  SOUF/EDM 1301  Introduction to Mass Communication
MUS 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 & Professional Students
SPCH 2315  CSS 1304  Argumentation, Discussion, and Debate
DRAM 1310  THEA 1206  Theatre Appreciation
DRAM 2361  THEA 2374  History of Theatre I

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

SOCIAL SCIENCES: Three courses, each from a different area (i.e. ANT, SOC, PSY, etc.):
ANTH 2346  ANT 1305  Introduction to Anthropology
ANTH 2325  ANT 1325  Introduction to Global Health
ANTH 2302  ANT 2302  The Emergence of World Civilizations
ANTH 3301  Science, Society, and Culture
ECON 1301  ECO 1305  Survey of Econ Princ. For Non-bus. Majors
ECON 2306  ECO 2307  Principles of Microeconomics
ECON 2307  Principles of Macroeconomics
FAS 1303  Freshman Academic Seminar: Medicine...
FAS 1305  Freshman Academic Seminar: Social Science

GEOG 1303  GEOG 1300  World Geography
HON 3100  Advanced Readings and Research Honors
HON 3101  Advanced Readings and Research Honors
HON 3200  Colloquium Honors
HON 3201  Colloquium Honors
PHIL 2303  PHI 1106  Logic
PHIL 1307  Critical Thinking
PHIL 2306  PHI 1308  Introduction to Ethics
PHIL 1301  PHI 1321  Introduction to Philosophy
PHIL 3301  Moral Philosophy
PHIL 3310  History of Philosophy: Classical
PHIL 3312  History of Philosophy: Modern Europe
PHIL 3322  Philosophy and the Arts for Art majors
GOVT 2302 or 2305  PSC 1305  American National Government
GOVT 2301 or 2306  PSC 1306  American State & Local Government
PSYC 2301  PSY 1305  Introductory Psychology
SOC 1301  SOC 1305  Introduction to Sociology

POLITICAL SCIENCE:
GOVT 2305 AND 2306  PSC 2302  American Constitutional Development

Note: 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. This substitution is not available for Political Science majors.

LIFETIME FITNESS: Four activity courses are required

LAB SCIENCE: One course from each area:
BIOL 1408  BIO 1401  Current Issues in Human Biology
BIOL 1404  BIO 1403  Exploring the Living World
BIOL 1406  BIO 1305-1105  Modern Concepts of Bioscience
BIOL 1407  BIO 1306-1106  Modern Concepts of Bioscience, Continued

GEO 1401*  Earthquakes & other Natural Disasters

GEO 1405  GEO 1402  World Oceans
GEO 1403  GEO 1405*  The Dynamic Earth
GEO 1404  GEO 1406  Earth Through Time

GEO 1401  GEO 1408  Earth Science

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  CHE 1341-1146  Introductory Organic Biochemistry
CHE 1405**  Chemistry & Society

PHY 1404  Light, Vision and Optics
PHY 1405  General Physics for BA Students

PHY 1407  Sound and Acoustics


PHY 1420  General Physics I

PHY 1455  Descriptive Astronomy

* Credit allowed for only one of these courses.

A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics.

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
FRAN 1411  FNE 1401  Elementary French I
FRAN 1412  FNE 1402  Elementary French II
FRAN 2311  FNE 2310  Intermediate French I
FRAN 2312  FNE 2320  Intermediate French II
ITAL 1411  ITA 1401  Elementary Italian I
ITAL 1412  ITA 1402  Elementary Italian II
JAPN 1411  JPN 1401  Introductory Japanese
JAPN 1412  JPN 1402  Elementary Japanese
SPAN 1411  SPA 1401  Elementary Spanish I
SPAN 1412  SPA 1402  Elementary Spanish II
SPAN 2311  SPA 2310  Intermediate Spanish I
SPAN 2312  SPA 2320  Intermediate Spanish II
GERM 1411  GER 1401  Elementary German I

Taught at Baylor; no equivalent course at Collin

Modern Languages
Korean (KOR)
Russian (RUS)
Swahili (SWA)
Swedish (SVE)

Classical Languages
Latin (LAT)
Greek (GRC)
Hebrew (HEB)