BAYLOR BOUND MAJOR ACADEMIC PLANNER

Bachelor of Science in Biology - Science Education Concentration

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

**Notes about major requirements:**

- This program is designed for students interested in science education and certification to teach secondary science. This plan will require summer school in order to keep the class load reasonable.

- 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. A separate requirement is in place for students who wish to declare a pre-health care concentration (BA or BS) major in Biology. In addition to the basic requirements above, these students must earn grades of "B" or better in either BIO 1305 or 1405 and in either BIO 1306 or 1406 on their first attempt at the course. Students who transfer to Baylor with credit on record for BIO 1305-1105 or 1405 and BIO 1306-1106 or 1406 will be eligible to declare Biology as a major upon initial enrollment at Baylor provided that minimum grade requirements are met as outlined above. Students who earn a score of 5 on the AP examination in Biology will be eligible to declare Biology (all concentrations) as a major upon completion of 90 hours. Students who have not met the admission requirement at 90 hours will not advance to the biology major and must change degree programs.

- 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 Texas Examination of 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.

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

- "BIO 1305-105 and 1306-110 for pre-Biology students to all "2000" and above level courses in biology. Non-biology majors may be admitted to upper level courses 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. "

- "Group 1 - Field Courses: BIO 3303/3103, 3324/3124, 4401, 4406, 4406, 4418, 5322, 4427, 4428"

- "Group 2 - Morphology Courses: BIO 3242, 3243, 3244, 3245, 3246, 4418, 4419, 4420, 4421, 4422, 4423, 4424, 4425, 4426, 4427, 4428"

- "Group 3 - Physiology/Molecular Courses: BIO 3422, 3423, 3424, 3425, 3426, 4417, 4418, 4430, 4431"

- "BIO Electives: Choose 3 hours of elective. A minimum of 3 hours of additional topics may be used for elective credit. The Biology Department suggests BIO 4363, 4366, or one 3V90.

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

- For more information, see the Baylor Undergraduate Catalog.

- *Students will do internship in either Fall (TED 4640/4641) or Spring (TED 4642/4643) of senior year with TED 4325*

- **CHEM 2423 and 2425 will count as CHE 2T01 and 2T02 organic chemistry I and II but will not count as advanced course work.**

Please see reverse side for important information on general requirements.
<table>
<thead>
<tr>
<th>MCLENNAN COURSE</th>
<th>BAYLOR COURSE</th>
<th>BAYLOR TITLE</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
<td>ENG 1302</td>
<td>Thinking and Writing</td>
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<tr>
<td>ENGL 1302</td>
<td>ENG 1304</td>
<td>Thinking, Writing &amp; Research</td>
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<tr>
<td>ENGL 2321 or 2322</td>
<td>ENG 2301</td>
<td>British Literature</td>
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<tr>
<td>ENGL 2326, 2327, 2328</td>
<td>ENG 2304</td>
<td>American Literature</td>
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<tr>
<td>ENGL 2331, 2332, 2333</td>
<td>ENG 2306</td>
<td>World Literature</td>
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**HISTORY/SOCIAL SCIENCE:**

- ANTH 2346: ANT 1305, Introduction to Anthropology
- ECON 1301: ECO 1305, Survey of Econ. Princ. For Non-bus. Majors
- ECON 2302: ECO 2306, Principles of Microeconomics
- ECON 2301: ECO 2307, Principles of Macroeconomics
- GEOG 1300: 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
- PHIL 2303: PHI 1306, Logic
- PHIL 2374: PHI 1307, Critical Thinking
- PHIL 2306: PHI 1308, Introduction to Ethics
- PHIL 1301: PHI 1321, Introduction to Philosophy
- PHIL 3310: PHI 3310, History of Philosophy: Classical
- GOVT 2305: PSP 1305, American National Government
- GOVT 2306: PSP 1306, American State & Local Government
- PSYC 2301: PSY 1305, Introduction to Psychology
- SOCI 1301: SOC 1305, Introduction to Sociology

**SCIENCE:**

- BIO 1406: BIO 1305-1105, Modern Concepts of Bioscience
- BIO 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 1420: PHY 1430, General Physics II
- ENV 1301-1101, Exploring Environmental Problems and Lab

**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.)

**POLITICAL SCIENCE:**

- GOVT 2305 AND 2306: PSP 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.)

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

<table>
<thead>
<tr>
<th>Taught at Baylor; no equivalent course at McLenann</th>
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<tbody>
<tr>
<td>Modern Languages</td>
</tr>
<tr>
<td>Arabic (ARB)</td>
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<tr>
<td>Chinese (CHI)</td>
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<td>Italian (ITA)</td>
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<td>Japanese (JPN)</td>
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