# Bachelor of Science in Biology

**A Suggested Sequence of Required Courses (2017-2018 Catalog)**

## Freshman Year

**Fall**
- 0 Chapel (CHA 1088)  
- 3 ENG 1302 (see below)  
- 3 Math (see reverse)  
- 3-4 Foreign Language 1401/1412 (see reverse)  
- 4 CHE 1301/1101  
- 4 BIO 1305/1105 or 1405 (see below - Pre-Biology)

**Spring**
- 0 Chapel (CHA 1088)  
- 3 ENG 1304 (see below)  
- 3 MTH 1321  
- 3-4 Foreign Language - 1402/2310 (see reverse)  
- 4 CHE 1302/1102  
- 4 BIO 1306/1106 or 1406 (see below - Pre-Biology)

**Total:** 17-18

## Sophomore Year

**Fall**
- 3 STA 2381 (or MTH 1322 if PHY 1430 is taken later)  
- 3 REL 1310  
- 3 Foreign Language - 2310 (see reverse)  
- 1 Lifetime Fitness  
- 1 CHE 3331  
- 4 BIO 2306/2106

**Spring**
- 3 ENG 2301 or ENG 2304/2306/GTX  
- 3 History/Social Science (see reverse)  
- 4 PHY 1406/1420  
- 1 Lifetime Fitness  
- 4 BIO Group 1 (see below)

**Total:** 17

## Junior Year

**Fall**
- 3-4 BIO Elective (see below)  
- 3 History/Social Science (see reverse)  
- 3 Advanced Elective*  
- 3 Elective*  
- 3 Elective*  
- 3 Elective (see below - Pre-Biology)

**Spring**
- 0 BIO 4001  
- 4 BIO Elective (see below)  
- 3 PSC 2302  
- 1 Lifetime Fitness  
- 3 Advanced Elective*  
- 3 Advanced Elective*  
- 3 Elective* (Variable depending on hours)

**Total:** 15-16

## Senior Year

**Fall**
- 3-4 BIO Elective (see below)

**Spring**
- 0 BIO 4001

**Total:** 17

All students must graduate with a minimum of 124 hours, 36 of which must be at the 3000/4000 level.

**Notes:**
- This program is designed for students who desire a strong, diverse background in the sciences.
- **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 as long as the courses were taken prior to initial matriculation at Baylor. Students may repeat each of these prerequisite 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 prehealth care concentration (BA or BS plan) 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 as a major upon enrollment. Students may only remain in the pre-biology designation until 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.
- **A grade of "C-" or better in 31 hours of biology courses used for the major, a GPA of 2.0 or higher on all BIO courses and a "C-" in all non-Biology courses in the other fields area of your audit is required.
- **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.
- **Group 1 - at least four semester hours from: BIO 3425, 3429, 4416, 4308-4108, or 4426
- **Group 2 - at least four semester hours from: BIO 4222, 4307-4107, 4417, or 4431
- **Group 3 - at least four semester hours from: BIO 3303-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4428, 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: Freshman Academic Seminars (FAS) may be substituted for ENG 1302. These seminars introduce first year students to the world of academics and the scholarly community through exploration of topics of significant cultural/social importance. Emphasizes critical inquiry and thinking, research, writing, and problem solving. May substitute for a basic requirement on certain degrees only in the College of Arts and Sciences.
- **Note: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.
- **Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- **For more information, see the undergraduate catalog.
- **Because of the number of electives, there is enough room for a minor with this major. 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.
Notes about General Requirements:
• Course selection is subject to availability within each semester.
• Please keep in mind that this is only a suggested sequence. Actual sequence will vary according to possible second major, minor, other program of study (including pre-health), and individual circumstances (ex., transfer credit, dual credit, and credit by exam).
• In order to complete your degree, you must fulfill all requirements in your major and general requirements for the Bachelor of Science.
• To complete a double major, you may not count any courses toward both majors.
• For more specific information on general requirements, see your undergraduate catalog.
• Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

History/Social Science (choose 2 courses from the following areas - 6 hours):
− Anthropology, Economics, History, Honors, Philosophy, Political Science, Psychology, Sociology, GEOG 1300, FAS 1303, 1304 or 1305, or 3 courses from FAS 1115, 1125, 1135.
− Check your major to determine if special courses are needed.

Foreign Language:
− Option A: One modern language through 2320 level:
  Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, and Swahili
− Option B: One classical language through 2320 level or two classical through 1302 level:
  Latin, Greek, Hebrew (If available, Akkadian, Aramaic, Syriac, and/or Ugaritic may be used)
  *Chemistry majors must take a modern foreign language; German or Russian are strongly recommended.

Math & Science:
− You must complete a minimum of 34 hours of math and science courses. See the undergraduate catalog for a more detailed explanation or refer to your audit for specific science/math courses that may be required by your major.
  - ALEKS placement exams are used by the Baylor Math Department for placement in MTH 1320 (Precalculus) and MTH 1321 (Calculus I). Please refer to the Math Department website for information and full instructions on the exam process.

Fine Arts: None required for this degree.

Biology/Chemistry Prerequisite Policies:
− Biology: In order to register for BIO 1305 and 1306 students must have either a satisfactory math score on the ACT or SAT OR have completed MTH 1320 (Pre-Calculus) with a grade of B or better.
− Chemistry: In order to register for CHE 1301, students must have either a satisfactory math score on the ACT (24) or SAT (550). If you do not meet one of these requirements, you will be asked to complete the ALEKS (Assessment and Learning in Knowledge Spaces) course and earn 85% mastery or higher.