

Bachelor of Science in Biology (BIC)

A Suggested Sequence of Required Courses (2012-2013 Catalog)

F r e s h m a n Y e a r

Fall	Spring
_____ 0 Chapel (CHA 1088)	_____ 0 Chapel (CHA 1088)
_____ 2 BIC 1212 Examined Life I	_____ 4 GEO 1405 or 1406
_____ 3 BIC 1314 World Cultures I	_____ 3 BIC 1324 World Cultures II
_____ 4 BIC 1413 Rhetoric I	_____ 3 BIC 1323 Rhetoric II
_____ 3 MTH 1304 (if needed) PreCal	_____ 3 MTH 1321 Calculus I
_____ 4 BIO 1305/1105 Biology I or 1405	_____ 4 BIO 1306/1106 Biology II
Total: 16	Total: 17

S o p h o m o r e Y e a r

Fall	Spring
_____ 3 BIC 2330 Social World I	_____ 3 BIC 2340 Social World II
_____ 3 BIC 2334 World Cultures III	_____ 3 BIC 2344 World Cultures IV
_____ 4 PHY 1408/1420 Physics I	_____ 4 PHY 1409/1430 Physics II
_____ 4 CHE 1301/1101 Chemistry I	_____ 4 CHE 1302/1102 Chemistry II
_____ 3 MTH 1322 or STA 2381	_____ 4 BIO 2306/2106 Genetics
Total: 17	Total: 18

J u n i o r Y e a r

Fall	Spring
_____ 3 CHE 3331 Organic Chem I	_____ 3 CHE 3332 Organic Chem II
_____ 3 Elective	_____ 2 CHE 3238 Organic Chem Lab
_____ 1 Human Performance	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 4 BIO Group 2 (see below)	_____ 3-4 BIO Elective (see below)
_____ 4 Foreign Language - 1401 (see reverse)	_____ 4 Foreign Language - 1402 (see reverse)
Total: 15	Total: 15-16

S e n i o r Y e a r

Fall	Spring
_____ 4 BIO Group 1 (see below)	_____ 4 BIO Group 3 (see below)
_____ 3-4 BIO Elective (see below)	_____ 0 BIO 4001 Exit Examination
_____ 3 Advanced Elective	_____ 3 Elective (Variable depending on hours)
_____ 3 Elective (Variable depending on hours)	_____ 3 Advanced Elective
_____ 3 Foreign Language - 2310 (see reverse)	_____ 3 Foreign Language - 2320 (see reverse)
_____ 1 Human Performance	
Total: 17-18	Total: 15

*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.
- 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.
- **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 a "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 at 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.
- 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 major.
- 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 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, 4428, or 4V04.

- BIO Electives: Choose 7 hours of electives. A maximum of 3 hours of Individual Topics may be used for elective credit.
- 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 could be 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.

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.

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 1304 (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 or SAT or have a minimum grade of B in CHE 1300 AND a minimum grade of B in either MTH 1304 (Pre-Calculus) or MTH 1321 (Calculus)