

Bachelor of Arts in Biology (BIC)

A Suggested Sequence of Required Courses (2017-2018 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	_____ 3 BIC 1324 World Cultures II
_____ 3 BIC 1314 World Cultures I	_____ 3 BIC 1323 Rhetoric II
_____ 4 BIC 1413 Rhetoric I	_____ 4 CHE 1302/1102 Chemistry II
_____ 4 CHE 1301/1101* Chemistry I	_____ 3 MTH 1321 Calculus
_____ 4 BIO 1305/1105* Bio I or 1405 (see below-Pre-Biology)	_____ 4 BIO 1306/1106 Bio II or 1406 (see below-Pre-Biology)
Total: 17	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 BIO 2306/2106 Genetics/Genetics Lab	_____ 3 CHE 3332 Organic Chem II (or CHE 1341/1146)
_____ 3 MTH 1322 (if PHY 1430 planned) or STA 2381	_____ 2 CHE 3238 O.Chem Lab(if taking CHE 3331/3332)
_____ 3 CHE 3331 Organic Chem. (see CHE note)	_____ 4 BIO Elective - Group 2 (see below)
Total: 16	Total: 15

J u n i o r Y e a r

Fall	Spring
_____ 3-4 Foreign Language - 1401 (see reverse)	_____ 3-4 Foreign Language - 1402/2310 (see reverse)
_____ 4 PHY 1408/1420 Physics I	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____ 3 Elective	_____ 4 PHY 1409/1430 Physics II
_____ 4 BIO Elective - Group 3 (see below)	_____ 4 BIO Elective - Group 1 (see below)
Total: 14-15	Total: 14-15

S e n i o r Y e a r

Fall	Spring
_____ 3 Foreign Language - 2310	_____ 3 Foreign Language - 2320
_____ 3-4 BIO Elective (see below)	_____ 3-4 BIO Elective
_____ 3 Elective	_____ 0 BIO 4001 Exit Examination
_____ 3 Advanced Elective (if needed)	_____ 3 BIC 4389 Capstone
_____ 3 BIC 4374 World Cultures V	_____ 3 Advanced Elective (if needed)
_____ 1 Lifetime Fitness	_____ 1 Lifetime Fitness
Total: 16-17	Total: 13

*Petition for NW I-II

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

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 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. 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 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 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 receive 5 on the AP examination (all concentrations) will be eligible to declare biology as a major upon enrollment at Baylor. 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 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 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.

CHE Note: Students may take either the Organic Chem. sequence of CHE 3331/3332/3238 or they may take CHE 1341/1146. If you take CHE 1341/1146, you may not have enough upper level hours required for graduation. Consult your advisor.

– 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