

Bachelor of Arts in Biology - Pre-Health Care

A Suggested Sequence of Required Courses (2014-2015 Catalog)

F r e s h m a n Y e a r			
Fall		Spring	
_____ 0 Chapel (CHA 1088)		_____ 0 Chapel (CHA 1088)	
_____ 3 ENG 1302 or FAS 1302		_____ 3 ENG 1304 (see below)	
_____ 3 MTH 1320 (if needed)		_____ 3 MTH 1321	
_____ 3 History (see reverse)		_____ 3 Social Science (see reverse)	
_____ 3-4 Foreign Language 1401/1412 (see reverse)		_____ 3-4 Foreign Language 1402/2310 (see reverse)	
_____ 4 BIO 1305/1105 or 1405 (see below - Pre-Biology)		_____ 4 BIO 1306/1106 or 1406 (see below - Pre-Biology)	
Total: 16-17		Total: 16-17	
S u m m e r			
First		Second	
_____ 4 BIO 2306/2106		_____ 3 MTH 1322 (if PHY 1430 is taken later) or STA 2381	
Total: 4		Total: 3	
S o p h o m o r e Y e a r			
Fall		Spring	
_____ 3 ENG 2301 or ENG 2304/2306/GTX		_____ 3 ENG 2301 or ENG 2304/2306/GTX	
_____ 3 REL 1310		_____ 4 CHE 1302/1102	
_____ 4 CHE 1301/1101		_____ 4 PHY 1409/1430	
_____ 4 PHY 1408/1420		_____ 3 Foreign Language - 2320 (see reverse)	
_____ 3 Foreign Language - 2310 (see reverse)		_____ 1 Lifetime Fitness	
Total: 17		Total: 15	
J u n i o r Y e a r			
Fall		Spring	
_____ 2-3 Fine Art (see reverse)		_____ 2-3 Fine Art (see reverse)	
_____ 3 REL 1350		_____ 3 Social Science (see reverse)	
_____ 3 PSC 2302		_____ 3 CHE 3332	
_____ 3 CHE 3331		_____ 2 CHE 3238	
_____ 1 Lifetime Fitness		_____ 1 Lifetime Fitness	
_____ 4 BIO 3422		_____ 3-4 BIO Elective (see below)	
Total: 16-17		Total: 14-16	
S e n i o r Y e a r			
Fall		Spring	
_____ 4 BIO 3429, 4308/4108, or 4426		_____ 4 BIO 4307	
_____ 4 BIO Elective (see below)		_____ 0 BIO 4001	
_____ 3 Social Science (see reverse)		_____ 2-3 Fine Art (see reverse)	
_____ 3 History (see reverse)		_____ 3 Advanced Elective*	
_____ 3 Advanced Elective*		_____ 3 Advanced Elective*	
		_____ 3 Advanced Elective* (Variable depending on hours)	
		_____ 1 Lifetime Fitness	
Total: 17		Total: 16-17	

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

Notes about major requirements:

- This program is designed for students with an interest in medicine, dentistry, podiatry, or other health related professions, as well as those anticipating graduate studies in these disciplines.
- **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.
- BIO Electives: Choose 8 hours of electives. A maximum of 3 hours of Individual Topics may be used for elective credit.
- 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.
- 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.

*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 Arts.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see the undergraduate catalog.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

Social Science (One course from 3 areas - 9 hours):

- ANT 1305 or 3301
- ECO 1305 or 2306 or 2307
- FAS 1303 or 1305, or 3 courses from FAS 1115, 1125, 1135
- GEOG 1300
- HONORS 3100 or 3101 or 3200 or 3201 (for Honors Programs only, at least two must be taken)
- PHI 1306 or 1307 or 1308 or 1321 or 3301 or 3310 or 3312 or 3322
- PSC 1305 or 1306
- PSY 1305
- SOC 1305 or 3 courses from SOC 1105, 1106, 1107

Fine Arts (One course from 3 areas - 7-9 hours):

- ART 1300 or 2302 or 2303
- CLA 3380
- CSS 1301 or 1302 or 1304
- FDM/JOU 1303
- FAS 1306 or 3 courses from FAS 1116, 1126, 1136
- FCS 3313 or 4313
- MUS 1220 or 3322 or 3323 or 4320
- THEA 1206 or 2374

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)

Math:

- MTH 1301 (Ideas in Math) or MTH 1320* (Pre-cal) or MTH 1321 (Calculus) or STA 1380. *Math 1320 is intended only for students who intend to take 1321.

History (choose 2 courses - 6 hours): HIS 1305, 1307, 2365, 2366 or FAS 1304**Lab Science (12 hours)** Choose one science course from each area - each must include a lab:

*Credit allowed for only one of these courses.

Area 1	Area 2	Area 3
BIO 1305/1105 Modern Concepts of Bio	*CHE 1300/1100 Intro to Chemistry	ANT 1404
BIO 1306/1106 Modern Concepts of Bio II	*CHE 1301/1101 Basic Prin of Mod Chem I	ENV 1301/1101 Exploring Env Issues
BIO 1401 General Biology	CHE 1302/1102/Basic Prin of Mod Chem II	ENV 1303/1103 Wildlife Ecology
BIO 1403 Exploring the Living World	*CHE 1405 Chemistry in Society	Or any other lab science including:
*GEO 1401 Earthquakes & Other Disasters	CHE 1341/1146 Intro to Organic Biochemistry	BIO, CHE, GEO, PHY, and FAS 1407
GEO 1402 World Oceans		
*GEO 1403 Environmental Geology	PHY 1404 Light, Vision, and Optics	
*GEO 1405 The Dynamic Earth	PHY 1405 General Physics for BA Students	
GEO 1406 Earth Through Time	PHY 1407 Sound and Acoustics	
GEO 1408 Earth Science	PHY 1408 Gen Physics-Natural & Behav Sci	
	PHY 1420 General Physics I	
NSC 1306/1106 Intro to Neuroscience	PHY 1455 Descriptive Astronomy	

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 or SAT or have a minimum grade of B in CHE 1300 AND a minimum grade of B in either MTH 1320 (Pre-Calculus) or MTH 1321 (Calculus).