

BAYLOR BOUND MAJOR ACADEMIC PLANNER

Bachelor of Arts in Biology

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

| Freshman Year | | | | | | | |
|-----------------------------|------------------|---|-------|----------------|------------------|--|-------|
| Fall | | | | Spring | | | |
| ST PHILIPS | BU | Title | Hours | ST PHILIPS | BU | Title | Hours |
| | CHA 1088 | Chapel | 0 | | CHA 1088 | Chapel | 0 |
| ENGL 1301 | ENG 1302 | Thinking and Writing | 3 | ENGL 1302 | ENG 1304 | Thinking, Writing, and Research | 3 |
| | MTH 1320 | Precalculus | 3 | MATH 2413 | MTH 1321 | Calculus I | 3 |
| See Reverse | | Foreign Language | 4 | See Reverse | | Foreign Language | 4 |
| CHEM 1311-1111 | CHE 1301-1101 | Basic Principles of Modern Chemistry I with Lab | 4 | CHEM 1312-1112 | CHE 1302-1102 | Basic Principles of Modern Chemistry I with Lab | 4 |
| BIOL 1406 | BIO 1305-1105 | Modern Concepts of Bioscience I with Lab | 4 | BIOL 1407 | BIO 1306-1106 | Modern Concepts of Bioscience II with Lab | 4 |
| | | | 18 | | | | 18 |
| Summer | | | | | | | |
| First | | | | Second | | | |
| ST PHILIPS | BU | Title | Hours | ST PHILIPS | BU | Title | Hours |
| | STA 2381 | Intro Statistics | 3 | ENGL 2322 | ENG 2301 | British Literature | 3 |
| | | | 3 | | | | 3 |
| Sophomore Year | | | | | | | |
| Fall | | | | Spring | | | |
| ST PHILIPS | BU | Title | Hours | ST PHILIPS | BU | Title | Hours |
| | REL 1310 | Christian Scriptures | 3 | | REL 1350 | Christian Heritage | 3 |
| See Reverse | | Social Science | 3 | See Reverse | | Social Science | 3 |
| CHEM 2323 | CHE 2T01** | Organic Chemistry I | 3 | See reverse | | Foreign Language | 3 |
| See Reverse | | Foreign Language | 3 | CHEM 2325 | CHE 2T02** | Organic Chemistry II | 3 |
| See Reverse | | Lifetime Fitness | 1 | | CHE 3238 | Organic Chemistry lab | 2 |
| | BIO 2306-2106 | Genetics with Lab | 4 | | See Below | BIO Elective - Group 2 | 4 |
| | | | 17 | | | | 18 |
| Junior Year | | | | | | | |
| Fall | | | | Spring | | | |
| ST PHILIPS | BU | Title | Hours | ST PHILIPS | BU | Title | Hours |
| See Reverse | | Fine Art | 3 | See Reverse | PSC 2302 | American Constitutional Development | 3 |
| See Reverse | | History | 3 | See Reverse | | Social Science | 3 |
| | PHY 1408 or 1420 | General Physics for Natural and Behavioral Sciences I | 4 | | PHY 1409 or 1430 | General Physics for Natural and Behavioral Sciences II | 4 |
| | | Lifetime Fitness | 1 | | | Lifetime Fitness | 1 |
| | | Advance Elective* | 3 | | | Advance Elective* | 3 |
| | See Below | BIO Elective - Group 3 | 4 | | See Below | BIO Elective - Group 1 | 4 |
| | | | 18 | | | | 18 |
| Senior Year | | | | | | | |
| Fall | | | | Spring | | | |
| ST PHILIPS | BU | Title | Hours | ST PHILIPS | BU | Title | Hours |
| | See Below | BIO Elective | 4 | | BIO 4001 | Achievement Test | 0 |
| See Reverse | | Fine Art | 3 | | See Below | BIO Elective | 4 |
| See Reverse | | History | 3 | See Reverse | | Fine Art | 3 |
| ENGL 2327,2328 or 2332,2333 | ENG 2304 or 2306 | American or World Literature | 3 | | | Advance Elective* | 3 |
| | | Advance Elective* | 3 | | | Advance Elective* | 3 |
| | | Lifetime Fitness | 1 | | | Advance Elective* | 3 |
| | | | 17 | | | | 16 |

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.

- Group 1- at least four hour 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, 4408, 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: 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.

- For more information, see the Baylor Undergraduate Catalog.

*Students interested in teaching should contact the School of Education for more information about the Science Education minor.

**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.

| ST PHILIPS COURSE | BAYLOR COURSE | BAYLOR TITLE |
|-------------------|---------------|------------------------------|
| ENGLISH: | | |
| ENGL 1301 | ENG 1302 | Thinking and Writing |
| ENGL 1302 | ENG 1304 | Thinking, Writing & Research |
| ENGL 2322 | ENG 2301 | British Literature |
| ENGL 2327 or 2328 | ENG 2304 | American Literature |
| ENGL 2332 or 2333 | ENG 2306 | World Literature |

| FINE ARTS: Three courses, each from a different areas (i.e. ART, THEA, MUS, etc.): | | |
|---|--------------|---|
| ARTS 1301 | ART 1300 | Introduction to Art |
| ARTS 1303 | ART 2302 | History of Art I |
| ARTS 1304 | ART 2303 | History of Art II |
| | CLA 3380 | Classical Mythology |
| | FAS 1306 | Freshman Academic Seminar: Fine Arts |
| COMM 1307 or 1335 | JOU/FDM 1303 | Introduction to Mass Communication |
| MUSI 1306 | MUS 1220 | Introduction to Music |
| | MUS 3322 | American Popular Music |
| | MUS 3323 | History of Jazz |
| SPCH 1311 or 1315 | CSS 1301 | Fundamentals of Public Communications |
| SPCH 1321 | CSS 1302 | Speech for Business & professional Students |
| SPCH 2335 | CSS 1304 | Argumentation, Discussion, and Debate |
| DRAM 1310 | THEA 1206 | Theatre Appreciation |
| | THEA 2374 | History of Theatre I |

| HISTORY: | | |
|-------------------|----------|--------------------------------|
| HIST 2321 | HIS 1305 | World History to 1500 |
| HIST 2312 or 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 |

| SOCIAL SCIENCES: Three courses, each from a different areas (i.e. ANT, SOC, PSY, etc.): | | |
|--|-----------|---|
| | ANT 1305 | Introduction to Anthropology |
| | ANT 1325 | Introduction to Global Health |
| | ANT 2302 | The Emergence of World Civilizations |
| | ANT 3301 | Science, Society, and Culture |
| ECON 1301 | ECO 1305 | Survey of Econ Princ. For Non-bus. Majors |
| ECON 2302 | ECO 2306 | Principles of Microeconomics |
| | ECO 2307 | Principles of Macroeconomics |
| | FAS 1303 | Freshman Academic Seminar: Medicine... |
| | FAS 1305 | Freshman Academic Seminar: Social Science |
| GEOG 1303 | GEOG 1300 | World Geography |
| | HON 3100 | Advanced Readings and Research Honors |
| | HON 3101 | Advanced Readings and Research Honors |
| | HON 3200 | Colloquium Honors |
| | HON 3201 | Colloquium Honors |
| PHIL 2303 | PHI 1306 | Logic |
| | PHI 1307 | Critical Thinking |
| PHIL 2306 | PHI 1308 | Introduction to Ethics |
| PHIL 1301 | PHI 1321 | Introduction to Philosophy |
| | PHI 3301 | Moral Philosophy |
| | PHI 3310 | History of Philosophy: Classical |
| | PHI 3312 | History of Philosophy: Modern Europe |
| | PHI 3322 | Philosophy and the Arts (for Art majors) |
| GOVT 2302 or 2305 | PSC 1305 | American National Government |
| GOVT 2301 or 2306 | PSC 1306 | American State & Local Government |
| PSYC 2301 | PSY 1305 | Introductory Psychology |
| SOCI 1301 | SOC 1305 | Introduction to Sociology |

| POLITICAL SCIENCE: | | |
|---------------------------|----------|-------------------------------------|
| GOVT 2305 AND 2306 | PSC 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. This substitution is not available for Political Science majors.

LIFETIME FITNESS: Four activity courses are required

| ST PHILIPS COURSE | BAYLOR COURSE | BAYLOR TITLE |
|---|------------------|--|
| LAB SCIENCE: One course from each area: | | |
| AREA 1: | | |
| BIOL 1408 | BIO 1401 | Current Issues in Human Biology |
| | BIO 1403 | Exploring the Living World |
| BIOL 1406 | BIO 1305-1105 | Modern Concepts of Bioscience |
| BIOL 1407 | BIO 1306-1106 | Modern Concepts of Bioscience, Continued |
| | GEO 1401* | Earthquakes & other Natural Disasters |
| | GEO 1402 | World Oceans |
| | GEO 1403* | Environmental Geology |
| GEO 1403 | GEO 1405* | The Dynamic Earth |
| GEO 1404 | GEO 1406 | Earth Through Time |
| | GEO 1408 | Earth Science |
| | NSC 1306-1106 | Introduction to Neuroscience |
| * Credit allowed for only one of these courses. | | |
| AREA 2: | | |
| CHEM 1405 | CHE 1300-1100 ** | Introduction to Chemistry |
| CHEM 1411 | CHE 1301-1101** | Basic Principles of Chemistry I |
| CHEM 1412 | CHE 1302-1102 | Basic Principles of Chemistry II |
| CHEM 1407 | CHE 1341-1146 | Introductory Organic Biochemistry |
| | CHE 1405** | Chemistry & Society |
| | PHY 1404 | Light, Vision and Optics |
| | PHY 1405 | General Physics for BA Students |
| | PHY 1407 | Sound and Acoustics |
| | PHY 1408 | Gen. Physics for Nat. & Behavioral Sci.I |
| | PHY 1420 | General Physics I |
| | PHY 1455 | Descriptive Astronomy |
| ** Credit allowed for only one of these courses. | | |
| AREA 3: | | |
| A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics OR | | |
| | ANT 1404 | Intro to Human Evolution |
| BIOL 2406 | ENV 1301-1101 | Exploring Environmental Issues and lab |
| | ENV 1303-1103 | Wildlife Ecology and lab |
| | FAS 1407 | Freshman Academic Seminar: Science |

| MATH: | | |
|--------------|----------|-----------------------|
| MATH 1332 | MTH 1301 | Ideas in Mathematics |
| | MTH 1320 | Pre-Calculus |
| MATH 2413 | MTH 1321 | Calculus I |
| MATH 1442 | STA 1380 | Elementary Statistics |

| FOREIGN LANGUAGE: To be fulfilled with one of the following options: | | |
|---|---------------|-----------------------------|
| A. Complete ONE Modern or Classical language through the 2320 level OR | | |
| 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.) | | |
| ARAB 1411 | ARB 1401 | Elementary Arabic I |
| ARAB 1412 | ARB 1402 | Elementary Arabic II |
| CHIN 1411 | CHI 1401 | Elementary Chinese I |
| CHIN 1412 | CHI 1402 | Elementary Chinese II |
| FREN 1411 | FRE 1401 | Elementary French I |
| FREN 1412 | FRE 1402 | Elementary French II |
| GERM 1411 | GER 1401 | Elementary German I |
| GERM 1412 | GER 1402 | Elementary German II |
| ITAL 1411 | ITA 1401 | Elementary Italian I |
| ITAL 1412 | ITA 1402 | Elementary Italian II |
| JAPN 1411 | JPN 1401 | Introductory Japanese |
| JAPN 1412 | JPN 1402 | Elementary Japanese |
| LATI 1311 | LAT 1301 | Elementary Latin I |
| LATI 1312 | LAT 1302 | Elementary Latin II |
| LATI 2311 | LAT 2310 | Intermediate Latin I |
| LATI 2312 | LAT 2320 | Intermediate Latin II |
| SPAN 1411 | SPA 1401 | Elementary Spanish I |
| SPAN 1412 | SPA 1402 | Elementary Spanish II |
| SPAN 2311 | SPA 2310 | Intermediate Spanish I |
| SPAN 2312 | SPA 2320 | Intermediate Spanish II |
| Taught at Baylor; no equivalent course at St Philips | | |
| Modern Languages: | | Classical Languages: |
| Korean (KOR) | Russian (RUS) | Greek (GKC) |
| Portuguese (POR) | Swahili (SWA) | Hebrew (HEB) |