

BAYLOR BOUND MAJOR ACADEMIC PLANNER

Bachelor of Science in Biology

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

| Freshman Year | | | | | | | |
|-------------------|----------------------|---|-------|--|------------------|--|-------|
| Fall | | | | Spring | | | |
| MCLENNAN | BU | Title | Hours | MCLENNAN | 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 |
| See Reverse | | Math | 3 | MATH 2413 | MTH 1321 | Calculus I | 3 |
| See Reverse | | Foreign Language | 4 | See Reverse | | Foreign Language | 4 |
| CHEM 1411 | CHE 1301-1101 | Basic Principles of Modern Chemistry I with Lab | 4 | CHEM 1412 | CHE 1302-1102 | Basic Principles of Modern Chemistry II 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 |
| Sophomore Year | | | | | | | |
| Fall | | | | Spring | | | |
| MCLENNAN | BU | Title | Hours | MCLENNAN | BU | Title | Hours |
| MATH 2414 | MTH 1322 or STA 2381 | Calculus II or Introductory Statistics | 3 | PHIL 1317 | REL 1350 | Christian Heritage | 3 |
| PHIL 1316 | REL 1310 | Christian Scriptures | 3 | See Reverse | | Foreign Language | 3 |
| See Reverse | | Foreign Language | 3 | CHEM 2425 | CHE 3332** | Organic Chemistry II | 3 |
| See Reverse | | Lifetime Fitness | 1 | | CHE 3238 | Organic Chemistry lab | 2 |
| CHEM 2423 | CHE 3331** | Organic Chemistry I | 3 | | See Below | Biology Group 2 | 4 |
| | BIO 2306-2106 | Genetics with Lab | 4 | | | | |
| | | | 17 | | | | 15 |
| Junior Year | | | | | | | |
| Fall | | | | Spring | | | |
| MCLENNAN | BU | Title | Hours | MCLENNAN | BU | Title | Hours |
| ENGL 2321 or 2322 | ENG 2301 | British Literature | 3 | ENGL 2326,2327,2328 or 2331,2332, 2333 | ENG 2304 or 2306 | American or World Literature | 3 |
| GEO 1403 or 1404 | GEO 1405 or 1406 | The Dynamic Earth or Earth through Time | 4 | See Reverse | | History/Social Science | 3 |
| | PHY 1408 or 1420 | General Physics I | 4 | PHYS 1402 | PHY 1409 or 1430 | General Physics II | 4 |
| See Reverse | | Lifetime Fitness | 1 | See Reverse | | Lifetime Fitness | 1 |
| | See Below | Biology Group 1 | 4 | | See Below | Biology Group 3 | 4 |
| | | | 16 | | | | 15 |
| Senior Year | | | | | | | |
| Fall | | | | Spring | | | |
| MCLENNAN | BU | Title | Hours | MCLENNAN | BU | Title | Hours |
| | See Below | Biology Elective | 4 | | BIO 4001 | Achievement Test | 0 |
| See Reverse | | History/Social Science | 3 | | See Below | Biology Elective | 4 |
| | | Advanced Elective* | 3 | See Reverse | PSC 2302 | American Constitutional Development | 3 |
| | | Elective* | 3 | See Reverse | | Lifetime Fitness | 1 |
| | | Elective* | 3 | | | Advanced Elective* | 3 |
| | | | | | | Advanced Elective* | 3 |
| | | | | | | Elective* | 3 |
| | | | 16 | | | | 17 |

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 (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. 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 (all concentrations) 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 **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 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.

- English requirement: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.

- For more information, see the Baylor 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 information about a Science Education

**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.

BACHELOR OF SCIENCE (BS) DEGREE CHECKLIST
(2017-2018 BAYLOR UNDERGRADUATE CATALOG)

| MCLENNAN COURSE | BAYLOR COURSE | BAYLOR TITLE |
|-----------------------|---------------|------------------------------|
| ENGLISH: | | |
| ENGL 1301 | ENG 1302 | Thinking and Writing |
| ENGL 1302 | ENG 1304 | Thinking, Writing & Research |
| ENGL 2321 or 2322 | ENG 2301 | British Literature |
| ENGL 2326, 2327, 2328 | ENG 2304 | American Literature |
| ENGL 2331, 2332, 2333 | ENG 2306 | World Literature |

| HISTORY/SOCIAL SCIENCE: | | |
|--------------------------------|-----------|---|
| ANTH 2346 | ANT 1305 | Introduction to Anthropology |
| | ANT 3301 | Science, Society, and Culture |
| ECON 1301 | ECO 1305 | Survey of Eco. Princ. For Non-bus. Majors |
| ECON 2302 | ECO 2306 | Principles of Microeconomics |
| ECON 2301 | ECO 2307 | Principles of Macroeconomics |
| GEOG 1300 | GEOG 1300 | World Geography |
| HIST 2321 | HIS 1305 | World History to 1500 |
| HIST 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 |
| PHIL 2303 | PHI 1306 | Logic |
| PHIL 2374 | 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 |
| GOVT 2305 | PSC 1305 | American National Government |
| GOVT 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.) | | |

LIFETIME FITNESS: Four activity courses are required

| MCLENNAN COURSE | BAYLOR COURSE | BAYLOR TITLE |
|-----------------------------|---------------|---|
| SCIENCE: | | |
| BIOL 1406 | BIO 1305-1105 | Modern Concepts of Bioscience |
| BIOL 1407 | BIO 1306-1106 | Modern Concepts of Bioscience, Continued |
| GEOG 1403 | GEO 1405 | The Dynamic Earth |
| GEOG 1404 | GEO 1406 | Earth Through Time |
| | NSC 1306-1106 | Introduction to Neuroscience |
| CHEM 1411 | CHE 1301-1101 | Basic Principles of Chemistry I |
| CHEM 1412 | CHE 1302-1102 | Basic Principles of Chemistry II |
| | PHY 1408 | Gen. Physics for Nat. & Behavioral Sci.I |
| PHYS 1402 | PHY 1409 | Gen. Physics for Nat. & Behavioral Sci.II |
| | PHY 1420 | General Physics I |
| | PHY 1430 | General Physics II |
| ENVR 1301-1101 or 1302-1102 | ENV 1301-1101 | Exploring Environmental Issues and lab |
| | ENV 1303-1103 | Wildlife Ecology and lab |

| MATH: | | |
|--------------|----------|--------------|
| MATH 2412 | MTH 1320 | Pre-Calculus |
| MATH 2413 | MTH 1321 | Calculus I |
| MATH 2414 | MTH 1322 | Calculus II |

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.)

| | | |
|-----------|----------|-------------------------|
| FREN 1411 | FRE 1401 | Elementary French I |
| FREN 1412 | FRE 1402 | Elementary French II |
| FREN 2311 | FRE 2310 | Intermediate French I |
| FREN 2312 | FRE 2320 | Intermediate French 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 |
| GERM 1411 | GER 1401 | Elementary German I |
| GERM 1412 | GER 1402 | Elementary German II |
| GERM 2311 | GER 2310 | Intermediate German I |

| Taught at Baylor; no equivalent course at McLennan | | |
|---|------------------|----------------------|
| Modern Languages: | | Classical Languages: |
| Arabic (ARB) | Korean (KOR) | Latin(LAT) |
| Chinese (CHI) | Portuguese (POR) | Greek (GKC) |
| Italian (ITA) | Russian (RUS) | Hebrew (HEB) |
| Japanese (JPN) | Swahili (SWA) | |