### Bachelor of Arts in Biology - Science Education Concentration

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

<table>
<thead>
<tr>
<th>Freshman Year</th>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Palo Alto BU</td>
<td>Title</td>
<td>Hours</td>
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<tr>
<td>ENGL 1301 BU</td>
<td>English</td>
<td>3</td>
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<tr>
<td>REL 1310 BU</td>
<td>Christian Scriptures</td>
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<tr>
<td>MTH 1320 BU</td>
<td>Pre-calculus</td>
<td>3</td>
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<tr>
<td>CHE 1301-1101 BU</td>
<td>Basic Principles of Modern Chemistry I w/lab</td>
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<tr>
<td>Summer</td>
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<tr>
<td>Palo Alto BU</td>
<td>Title</td>
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<tr>
<td>ENGL 2322 BU</td>
<td>English Literature</td>
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<tr>
<td>BIO 1407 BU</td>
<td>Modern Concepts of Bioscience I w/lab</td>
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<td>Sophomore Year</td>
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<td>Palo Alto BU</td>
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<tr>
<td>See Reverse</td>
<td>STA 2381 BU</td>
<td>Intro Statistics</td>
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<tr>
<td>See Reverse</td>
<td>Foreign Language</td>
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<tr>
<td>PHY 1408 or 1420 BU</td>
<td>Physics I w/lab</td>
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<tr>
<td>CHEM 1406 BU</td>
<td>Modern Concepts of Bioscience II w/lab</td>
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<tr>
<td>Junior Year</td>
<td>Fall</td>
<td>Spring</td>
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<tr>
<td>Northwest Vista BU</td>
<td>Title</td>
<td>Hours</td>
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<tr>
<td>See Reverse</td>
<td>CHEM 232 BU</td>
<td>General Chemistry I</td>
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<tr>
<td>BIO 232 BU</td>
<td>Biology</td>
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<td>TES 3330 BU</td>
<td>Teaching Specialist Secondary I</td>
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<td>TES 3387 BU</td>
<td>Secondary Science Practicum I</td>
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<td>Senior Year</td>
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<td>Northwest Vista BU</td>
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<td>See Reverse</td>
<td>PSC 230 BU</td>
<td>American Constitutional Development</td>
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<td>See Reverse</td>
<td>Lifespan Fitness</td>
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<td>Notes about major requirements:</td>
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- 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 upon 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 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, 4408-4418, or 4426
- Group 2: at least four semester hours from BIO 3422, 4307-4317, 4417, or 4431
- Group 3: at least four semester hours from BIO 3301-3103, 3324-3124, 4405, 4406, 4414, 4418, 4422, 4427, 4408, or 4904
- 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 ENGL 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.
- Students who take this will receive transfer credit and not need to retake it but will not receive upper level credit at Baylor.

Please see reverse side for important information on general requirements.
ENGLISH:
ENGL 1301 ENG 1302 Thinking and Writing
ENGL 1302 ENG 1304 Thinking, Writing & Research
ENGL 2312 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 area (i.e. ART, THEA, MUS, etc.):
ARTS 1301 ART 1300 Introduction to Art
ARTS 1303 ART 2301 History of Art I
ARTS 1304 ART 2303 History of Art II
CLA 1380 Classical Mythology
FAS 1306 Freshman Academic Seminar Fine Arts
COMM 1307 or 1335 JOU/FDM 1303 Introduction to Mass Communication
MUS 1306 MUS 1220 Introduction to Music
MUS 3322 American Popular Music
MUS 3323 History of Jazz
SPCH 1311 or 1313 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 2320 HS 1305 World History to 1500
HIST 2321 or 2322 HS 1307 World History since 1500
HIST 1301 HS 2365 History of the U.S. to 1877
HIST 1302 HS 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 2306 ECO 2307 Principles of Macroeconomics
ECON 2307 Principles of Microeconomics
FAS 1303 Freshman Academic Seminar/Medicine
FAS 1305 Freshman Academic Seminar/Social Science
GEOG 1303 GEOG 1300 World Geography
HIST 1300 Advanced Readings and Research Honors
HIST 1301 Advanced Readings and Research Honors
HIST 3301 Colloquium Honors
HIST 3302 Colloquium Honors
PHIL 2303 PHI 1306 Logic
PHIL 1307 PHI 1307 Critical Thinking
PHIL 2306 PHI 1308 Introduction to Ethics
PHIL 1301 PHI 1321 Introduction to Philosophy
PHIL 3311 PHI 3311 Moral Philosophy
PHIL 3310 History of Philosophy: Classical
PHIL 3312 History of Philosophy: Modern Europe
PHIL 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
SOC 1301 SOC 1305 Introduction to Sociology

POLITICAL SCIENCE:
GOVT 2345 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

FOOD COURSE

LAB SCIENCE: One courses from each area:

AREA 1:
Biol 1408 BRR 1401 Current Issues in Human Biology
BIO 1407 BRR 1405 Exploring the Living World
BIO 1406 BRR 1405 Modern Concepts of Bioscience
GEO 1407 BRR 1406 Modern Concepts of Bioscience, Continued
GEO 1405* Earthquakes & Other Natural Disasters
GEO 1406 World Oceans
GEO 1405 Environmental Geology
GEO 1405* The Dynamic Earth
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 1305-1105** Introduction to Chemistry
CHEM 1406 CHE 1301-1105** Basic Principles of Chemistry I
CHEM 1412 CHE 1302-1102 Basic Principles of Chemistry II
CHEM 1407 CHE 1341-1146 Introductory Organic Biochemistry
CHEM 1405** Chemistry & Society
PHY 1405 Light, Vision and Optics
PHY 1405 General Physics for BA Students
PHY 1407 Sound and Acoustics
PHY 1420 General Physics I
PHY 1455 Descriptive Astronomy

** Credit allowed for only one of these courses.

AREA 3:
HIST 1302 BIO 2406 Exploring Environment at Issues and lab
HIST 1301 ENV 1303-1103 Wildlife Ecology and lab
HIST 1302 FAS 1407 Freshman Academic Seminar, Science

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.)

ANT 1404 Intro to Human Evolution
ANT 2330 BIO 2406 Exploring Environment at Issues and lab
HIST 1301 ENV 1303-1103 Wildlife Ecology and lab
ANT 1404 BIO 1401 Elementary French I
ANT 1402 BIO 1402 Elementary 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 1403 GER 1401 Elementary German I
GERM 1402 GER 1402 Elementary German II
ITAL 1411 ITA 1401 Elementary Italian I
ITAL 1412 ITA 1402 Elementary Italian II
CHIN 1401 CHI 1401 Elementary Chinese I
CHIN 1402 CHI 1402 Elementary Chinese II
ARAB 1401 ARB 1401 Elementary Arabic I
ARAB 1402 ARB 1402 Elementary Arabic II
JPN 1401 JPN 1401 Introductory Japanese
JPN 1402 JPN 1402 Elementary Japanese
LATI 1411 LATI 1401 Intermediate Latin I
LATI 1412 LATI 1402 Intermediate Latin II
LATI 2312 LATI 2320 Intermediate Latin II

Taught at Baylor; no equivalent course at Palo Alto