# Bachelor of Science in Biology

## 2018-2019 Degree Plan

| CORE CURRICULUM (See note below) | 42 SCH | |
|---|---|---|
| | **Grd** | **SCH** |
| ***(010) COMMUNICATION*** | | |
| **ENGL 1301** Composition I | | **3** |
| **ENGL 2311** Technical Writing | | **3** |
| ***(020) MATHEMATICS*** | | |
| **MATH 2313** Calculus I | | **3** |
| ***(030) LIFE and PHYSICAL SCIENCES*** | | |
| **BIOL 1306** General Biology I | | **3** |
| **BIOL 1307** General Biology II | | **3** |
| ***(040) LANGUAGE, PHILOSOPHY AND CULTURE*** | | |
| **Lang/Phil/Culture** | | **3** |
| ***(050) CREATIVE ARTS*** | | |
| **Creative Arts** | | **3** |
| ***(060) AMERICAN HISTORY*** | | |
| **HIST 1301** American History to 1865 | | **3** |
| **HIST 1302** American History since 1865 | | **3** |
| ***(070) GOVERNMENT/POLITICAL SCIENCE*** | | |
| **GOVT 2305** Federal Government | | **3** |
| **GOVT 2306** Texas Government | | **3** |
| ***(080) SOCIAL & BEHAVIORAL SCIENCES*** | | |
| **Social & Behavioral Sciences** | | **3** |
| ***(090) COMPONENT AREA OPTION*** | | |
| **CHEM 1311** Chemistry I | | **3** |
| **CHEM 1312** Chemistry II | | **3** |

| REQUIRED SUPPORT COURSES | 26 SCH | |
|---|---|---|
| | **Grd** | **SCH** |
| **UNIV 1101** Jaguar Tracks 1 | | **1** |
| **UNIV 2101** Jaguar Tracks 2 | | **1** |
| **STEM 3101** Jaguar Tracks 3 | | **1** |
| **STEM 4101** Jaguar Tracks 4 | | **1** |
| **MATH 2113** Calculus I Laboratory | | **1** |
| **MATH 3301 or 4303** (Biostatistics or Statistical Methods) | | **3** |
| **CHEM 1111** General Chemistry I laboratory | | **1** |
| **CHEM 1112** General Chemistry II laboratory | | **1** |
| **CHEM 2323/2123** Organic Chemistry I w/lab | | **3/1** |
| **CHEM 2325/2125**Organic Chemistry II w/lab | | **3/1** |
| **PHYS 1301/1101** General Physics I w/lab | | **3/1** |
| **PHYS 1302/1102** General Physics II w/lab | | **3/1** |

**Note about core curriculum courses:** Other courses may satisfy core curriculum requirements. Courses listed under the core curriculum above are also specific degree requirements, and are recommended in the core to expedite degree completion.

120 credit hours required for degree
36 advanced credit hours required for degree
25% of courses must be taken at A&M-SA for degree

An earned letter grade of C in the following courses is required for this degree: BIOL 1306, BIOL 1106, BIOL 1307, BIOL 1107

| MAJOR (REQUIRED) COURSES<br>2.0 overall GPA for major | 33-35 SCH | |
|---|---|---|
| | **Grd** | **SCH** |
| **BIOL 1106** General Biology I lab | | **1** |
| **BIOL 1107** General Biology II lab | | **1** |
| **BIOL 2411** Genetics | | **4** |
| **BIOL 3402** Evolution | | **4** |
| **BIOL 2421** Microbiology | | **4** |
| **BIOL 3407** Ecology | | **4** |
| **BIOL 3408, 3409, or 4411** Physiology (Animal Phys, Cellular Phys, or App of Plant Phys) | | **4** |
| **BIOL 4101, 4102, 4103 or 4104 Seminar** (Interdisciplinary, Cell & molec, Zoology, or Ecology topics respectively) | | **1** |
| **BIOL** advanced elective with Lab | | **4** |
| **BIOL** advanced electives | | **6-8** |
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| ELECTIVES* OR MINOR**<br>REQUIRED COURSES | 17-19 SCH | |
|---|---|---|
| ***As needed to complete 120 credit total hours and the 36 upper-division credit hours required for degree** | | |
| ****If minor is chosen, at least 10 hours must be upper-division. 2.0 overall gpa for minor.** | | |
| | **Grd** | **SCH** |
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