

# BACHELOR OF SCIENCE IN BIOLOGY WITH A CONCENTRATION IN ZOOLOGY

2019-2020 Degree Plan

<b>CORE CURRICULUM (See note below)</b>	<b>42 SCH</b>	
	Grd	SCH
<i>(010) COMMUNICATION</i>		
<b>ENGL 1301</b> Composition I		<b>3</b>
<b>ENGL 1302</b> Composition II <b>OR ENGL 2311</b> Technical Writing		<b>3</b>
<i>(020) MATHEMATICS</i>		
<b>MATH 2313</b> Calculus I		<b>3</b>
<i>(030) LIFE and PHYSICAL SCIENCES</i>		
<b>BIOL 1306</b> General Biology I		<b>3</b>
<b>BIOL 1307</b> General Biology II		<b>3</b>
<i>(040) LANGUAGE, PHILOSOPHY AND CULTURE</i>		
<b>Lang/Phil/Culture</b>		<b>3</b>
<i>(050) CREATIVE ARTS</i>		
<b>Creative Arts</b>		<b>3</b>
<i>(060) AMERICAN HISTORY</i>		
<b>American History</b>		<b>3</b>
<b>American History</b>		<b>3</b>
<i>(070) GOVERNMENT/POLITICAL SCIENCE</i>		
<b>Government/Political Science</b>		<b>3</b>
<b>Government/Political Science</b>		<b>3</b>
<i>(080) SOCIAL &amp; BEHAVIORAL SCIENCES</i>		
<b>Social &amp; Behavioral Sciences</b>		<b>3</b>
<i>(090) COMPONENT AREA OPTION</i>		
<b>CHEM 1311</b> Chemistry I		<b>3</b>
<b>CHEM 1312</b> Chemistry II		<b>3</b>
<b>REQUIRED SUPPORT COURSES</b>		
	<b>23 SCH</b>	
	Grd	SCH
<b>UNIV 1101</b> Jaguar Tracks 1		<b>1</b>
<b>UNIV 2101</b> Jaguar Tracks 2		<b>1</b>
<b>STEM 3101</b> Jaguar Tracks 3		<b>1</b>
<b>STEM 4101</b> Jaguar Tracks 4		<b>1</b>
<b>MATH 2113</b> Calculus I Lab		<b>1</b>
<b>CHEM 1111</b> General Chemistry I laboratory		<b>1</b>
<b>CHEM 1112</b> General Chemistry II laboratory		<b>1</b>
<b>CHEM 2323/2123</b> Organic Chemistry I w/lab		<b>3/1</b>
<b>CHEM 2325/2125</b> Organic Chemistry II w/lab		<b>3/1</b>
<b>PHYS 1301/1101</b> General Physics I w/lab		<b>3/1</b>
<b>PHYS 1302/1102</b> General Physics II w/lab		<b>3/1</b>

**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

<b>MAJOR (REQUIRED) COURSES</b>	<b>37-39 SCH</b>	
<b>2.0 overall GPA for major</b>	Grd	SCH
<b>BIOL 1106</b> General Biology I laboratory		<b>1</b>
<b>BIOL 1107</b> General Biology II laboratory		<b>1</b>
<b>BIOL 2415</b> Statistics in Biology & Medicine		<b>4</b>
<b>BIOL 2411</b> Genetics		<b>4</b>
<b>BIOL 3402</b> Evolution		<b>4</b>
<b>BIOL 2421</b> Microbiology		<b>4</b>
<b>BIOL 3407</b> Ecology		<b>4</b>
<b>BIOL 3408</b> Animal Physiology		<b>4</b>
<b>BIOL 4101, 4102, 4103, or 4104</b> Seminar (Interdisciplinary, Cell & Molec, Zoology, or Ecology topics respectively.)		<b>1</b>
<b>BIOL</b> Advanced elective with lab (Must be fulfilled by a concentration advance elective- See List Below)		<b>4</b>
<b>BIOL</b> advanced electives (can be fulfilled any advanced electives)		<b>6-8</b>
<b>CONCENTRATION REQUIRED COURSES</b>		
	<b>15-16 SCH</b>	
	Grd	SCH
<b>BIOL 3401</b> Invertebrate Zoology		<b>4</b>
<b>BIOL 3405</b> Vertebrate Zoology		<b>4</b>
<b>Two of the following upper-division electives (7-8 SCH)</b>		
<b>BIOL 3375</b> Applied Entomology		
<b>BIOL 3406</b> Animal Behavior		
<b>BIOL 4409</b> Biology of Disease Vectors		
<b>BIOL 4425</b> Ornithology		
<b>BIOL 4427</b> Herpetology		
<b>BIOL 4429</b> Mammalogy		
<b>BIOL 4430</b> Parasitology		
<b>BIOL 4431</b> Ichthyology		
<b>BIOL 4432</b> Primatology		
<b>ELECTIVES</b>		
As needed to complete 120 credit hours	Grd	SCH