Bachelor of Science in Biology
With a Concentration in Ecology
2018-2019 Degree Plan

CORE CURRICULUM	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 Lab		**1**
MATH 3301 or 4303 Statistics (Biostatistics or Statistical Methods)		**3**
CHEM 1111 General Chemistry I lab		**1**
CHEM 1112 General Chemistry II lab		**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**

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 2.0 overall GPA for major	33-35 SCH	
	Grd	**SCH**
BIOL 1106 General Biology I laboratory		**1**
BIOL 1107 General Biology II laboratory		**1**
BIOL 2411 Genetics		**4**
BIOL 3402 Evolution		**4**
BIOL 2421 Microbiology		**4**
BIOL 3407 Ecology		**4**
BIOL 3408 or 4411 (Animal Phys or App of Plant Phys & Growth)		**4**
BIOL 4104 Seminar Ecology		**1**
BIOL Advanced elective with lab (Can be fulfilled by any advanced electives)		**4**
BIOL advanced electives (Can be fulfilled by any advanced elective)		**6-8**

CONCENTRATION REQUIRED COURSES	17-18 SCH	
	Grd	**SCH**
BIOL 2406 Introduction to Plant Biology		**4**
BIOL 4307 Conservation & Restoration Ecology		**3**
BIOL 4424 Field Biology		**4**
2 of the following electives		**7-8**
BIOL 3375 Applied Entomology		
BIOL 3403 Plant Taxonomy		
BIOL 3406 Animal Behavior		
BIOL 4409 Biology of Disease Vectors		
BIOL 4423 Wildlife Management		
BIOL 4425 Ornithology		
BIOL 4427 Herpetology		
BIOL 4429 Mammalogy		
BIOL 4430 Parasitology		
BIOL 4431 Ichthyology		
BIOL 4432 Primatology		

ELECTIVES		
As needed to complete 120 credit hours	**Grd**	**SCH**