

**Bachelor of Science in Biology**  
**With Teacher Certification**  
**2018-2019 Degree Plan**

<b>CORE CURRICULUM (See note below)</b>		<b>42 SCH</b>	
	<b>Grd</b>	<b>SCH</b>	
<b>(010) COMMUNICATION</b>			
<b>ENGL 1301</b> Composition I		<b>3</b>	
<b>ENGL 2311</b> Technical Writing		<b>3</b>	
<b>(020) MATHEMATICS</b>			
<b>MATH 2312</b> Pre-Calculus I		<b>3</b>	
<b>(030) LIFE and PHYSICAL SCIENCES</b>			
<b>BIOL 1306</b> General Biology I		<b>3</b>	
<b>BIOL 1307</b> General Biology II		<b>3</b>	
<b>(040) LANGUAGE, PHILOSOPHY AND CULTURE</b>			
<b>Lang/Phil/Culture</b>		<b>3</b>	
<b>(050) CREATIVE ARTS</b>			
<b>Creative Arts</b>		<b>3</b>	
<b>(060) AMERICAN HISTORY</b>			
<b>HIST 1301</b> American History to 1865		<b>3</b>	
<b>HIST 1302</b> American History since 1865		<b>3</b>	
<b>(070) GOVERNMENT/POLITICAL SCIENCE</b>			
<b>GOVT 2305</b> Federal Government		<b>3</b>	
<b>GOVT 2306</b> Texas Government		<b>3</b>	
<b>(080) SOCIAL &amp; BEHAVIORAL SCIENCES</b>			
<b>Social &amp; Behavioral Sciences</b>		<b>3</b>	
<b>(090) COMPONENT AREA OPTION</b>			
<b>CHEM 1311</b> Chemistry I		<b>3</b>	
<b>CHEM 1312</b> Chemistry II		<b>3</b>	
<b>REQUIRED SUPPORT COURSES</b>		<b>29 SCH</b>	
	<b>Grd</b>	<b>SCH</b>	
<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 1342</b> Introductory Statistics		<b>4</b>	
<b>CHEM 1111</b> General Chemistry I lab		<b>1</b>	
<b>CHEM 1112</b> General Chemistry II lab		<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>	
<b>SPCH 1315</b> Fund of Public Speaking		<b>3</b>	

<b>MAJOR (REQUIRED) COURSES</b>		<b>28-30 SCH</b>	
<b>2.75 overall GPA for major</b>			
	<b>Grd</b>	<b>SCH</b>	
<b>BIOL 1106</b> General Biology I lab		<b>1</b>	
<b>BIOL 1107</b> General Biology II lab		<b>1</b>	
<b>BIOL 2411</b> Genetics		<b>4</b>	
<b>BIOL 3402</b> Evolution		<b>4</b>	
<b>BIOL 3407</b> Ecology		<b>4</b>	
<b>BIOL 3408 or 3409</b> , (Animal Phys or Cellular Phys)		<b>4</b>	
<b>BIOL</b> advanced electives		<b>9-12</b>	
<b>BIOL 4105</b> Science Education Seminar		<b>1</b>	
<b>TEACHER CERTIFICATION REQUIRED COURSES 2.75 overall GPA</b>		<b>26 SCH</b>	
	<b>Grd</b>	<b>SCH</b>	
<b>EDED 3303</b> Knowl of Pedagogy and Assmt		<b>3</b>	
<b>EDSE 3345</b> Survey of Exceptional Individuals		<b>3</b>	
<b>EDED 4311</b> Tch & Pedag for Mid & Sec Tch		<b>3</b>	
<b>EDED 3358</b> Classroom Mgmt		<b>3</b>	
<b>EDED 4309</b> Legal and Ethical Issues		<b>3</b>	
<b>EDRG 4325</b> Content Area Literacy		<b>3</b>	
<b>EDFR 3110</b> Field Residency I		<b>1</b>	
<b>EDFR 3120</b> Field Residency II		<b>1</b>	
<b>EDFR 4623</b> Secondary School Student Teaching		<b>6</b>	
<b>ELECTIVES</b>			
As needed to complete 120 credit hours	<b>Grd</b>	<b>SCH</b>	

**\*\*\*Completion of this Degree Requires Admission to the Educator Preparation Program (EPP)\*\*\***

Completion of 45 hours, ENGL 1301, ENGL 2311, at least MATH 1314, an additional math course, HIST 1301, HIST 1302, SPCH 1315, and 2 Life & Physical Sciences all with a C or better. Cumulative GPA of 2.75, qualifying scores in Reading, Writing, and Mathematics.

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