

SUGGESTED FOUR-YEAR SCHEDULE: 2019-20

B.S. in Biological Science - Secondary Certification



COLLEGE OF
**Science and
Engineering**
A&M-COMMERCE

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
BSC 1406 & 1406L, Introductory Biology I	4
*CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
CHEM 101, Gen & Quant Chemistry I Tutorial	1
*MATH 1314, College Algebra	3
BSC 111, Introduction to Biology	1
Total Hours	16

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
BSC 1407 & 1407L, Introductory Biology II	4
*CHEM 1312, Gen & Quant Chemistry II	3
CHEM 1112, Gen & Quant Chemistry II Lab	1
CHEM 102, Gen & Quant Chemistry II Tutorial	1
*Component Area	3
Total Hours	15

Second Year Fall Semester

*HIST 1301, US History to 1877	3
*ENVS 1301, Intro to Environmental Science	3
BSC 303 & 303L, Cell Biology	4
Advanced BSC Course Elective	3
PSY 300, Lrng Processes & Development	3
Total Hours	16

Second Year Spring Semester

*HIST 1302, US History from 1865	3
*Social & Behavioral Sciences	3
BSC 304 & 304L, GLB/Genetics	4
BSC 461, Biology for Mid School Teachers	3
Advanced BSC Course Elective	4
Total Hours	17

Third Year Fall Semester

*PSCI 2305, US Government & Politics	3
BSC 305 & 305L, General Physiology	4
BSC 307, Ecology	3
Advanced BSC Course Elective	3
SED 330, Roles of STEM Educators	3
Total Hours	16

Third Year Spring Semester

*PSCI 2306, TX Government & Politics	3
BSC 306 & 306L, Applied Microbiology	4
Advanced BSC Course Elective	3
IS 451, GLB/Hist Dev. Great Idea in Sci	3
SED 331, Instructional Design in STEM	3
Total Hours	16

Fourth Year Fall Semester

*Language, Philosophy, & Culture	3
*Creative Arts	3
RDG 380, Compr & Vocab in MLED/HS	3
SED 332, Project Based Learning in STEM	3
Total Hours	12

Fourth Year Spring Semester

<i>Student Teaching</i>	
SED 400, Pedagogy & Classrm Manage	3
SED 401, Tech Infused Curriculum & Assessm	3
SED 404, Secondary Teaching Practicum	3
SED 405, Secondary Residency in Teaching	3
Total Hours	12

Degree Total 120

* This course should be used to satisfy the Core Curriculum Requirements

The suggested plan shown is subject to change. Please check the current Undergraduate Catalog (catalog.tamuc.edu) for required courses in your program.