

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

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 (Signature Course)	3

Total Hours 15

Second Year Fall Semester

*HIST 1301, US History to 1877	3
Advanced BSC Course Elective	3
BSC 303 & 303L, Cell Biology	4
ENVS 1301, Intro to Environmental Science	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
Advanced BSC Course Elective	3
BSC 461, Biology for Mid School Teachers	3

Total Hours 16

Third Year Fall Semester

*PSCI 2301, Princ of US & TX Govt	3
BSC 305 & 305L, General Physiology	4
BSC 307, Ecology	3
SED 330, Roles of STEM Educators	3
Advanced BSC Course Elective	3

Total Hours 16

Third Year Spring Semester

*PSCI 2302, US/TX Govt; Insts & Pols	3
BSC 306 & 306L, Applied Microbiology	4
IS 451, GLB/Hist Dev. Great Idea in Sci	3
SED 331, Instructional Design in STEM	3
Advanced BSC Course Elective	3

Total Hours 16

Fourth Year Fall Semester

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

Total Hours 12

Fourth Year Spring Semester

Student Teaching	
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	6

Total Hours 15

Degree Total 122

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

It is recommended that BSC 301, Biological Literature be used as the first BSC Elective. It is a prerequisite for BSC 305, General Physiology.

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