

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

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|--|---|
| *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

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|---|---|
| *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

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|---|---|
| *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

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|--|---|
| *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

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|------------------------------------|---|
| *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

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|---|---|
| *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

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|---|---|
| *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

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|--|---|
| 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.