

SUGGESTED FOUR-YEAR SCHEDULE: 2019-20

B.S. in Physics - Emphasis in Biophysics



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

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
*HIST 1301, US History to 1877	3
*MATH 2413, Calculus I	4
PHYS 2425, University Physics I	4
PHYS 101, Physics & ASTR Seminar	1
Total Hours	15

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
*HIST 1302, US History from 1865	3
*MATH 2414, Calculus II	4
PHYS 2426, University Physics II	4
*Component Area	3
Total Hours	17

Second Year Fall Semester

BSC 1406, Introductory Biology I	4
CHEM 1311, General & Quantitative CHEM I	3
CHEM 1111, Gen & Quant CHEM I Lab	1
PHYS 317, Math Methods for PHYS & ENGR	3
PHYS 333, Wave Motion, Acoustics & Optics	4
Total Hours	15

Second Year Spring Semester

BSC 1407, Introductory Biology II	4
CHEM 1312, General & Quantitative CHEM II	3
CHEM 1112, Gen & Quant CHEM II Lab	1
MATH 2415, Calculus III	4
PHYS 321, Modern Physics	3
Total Hours	15

Third Year Fall Semester

*PSCI 2305, US Government & Politics	3
BSC 303, Cell Biology	4
CHEM 2323, Organic Chemistry I	3
CHEM 2123, Organic Chemistry Lab II	1
**PHYS 335, Advanced Physics Laboratory	3
**PHYS 411, Classical Mechanics	3
Total Hours	17

Third Year Spring Semester

*PSCI 2306, TX Government & Politics	3
BSC 304, GLB/Genetics	4
BSC 401, Senior Seminar	1
CHEM 2325, Organic Chemistry II	3
CHEM 2125, Organic Chemistry Lab II	1
**PHYS 412, Electricity & Magnetism	3
Total Hours	15

Fourth Year Fall Semester

*Literature, Philosophy, & Culture	3
CHEM 314, General Biochemistry	3
CHEM 351, Physical Chemistry I	4
PHYS 401, Current Topics in PHYS & ASTR	1
**PHYS 420, Quantum Mechanics	3
Total Hours	14

Fourth Year Spring Semester

*Creative Arts	3
*Social & Behavioral Science	3
CHEM 352, Physical Chemistry II	4
PHYS 401, Current Topics in PHYS & ASTR	1
**PHYS 414, Thermodynamics & Kinetic Theory	3
Total Hours	14

Degree Total 122

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

IMPORTANT: Courses marked with a double asterisk () are generally only taught on an every-other-year basis. Take when able and offered. If you are not able to take Calculus I & Physics I until your second semester, you should take Gen & Quant Chem I during your first semester

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