

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

B.S. in Physics



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
PHYS 101, Physics & ASTR Seminar	1
*PHYS 2425, University Physics I	4
*MATH 2413, Calculus I	4
Total Hours	15

First Year Spring Semester

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

Second Year Fall Semester

*PSCI 2301, Princ of US & TX Govt	3
*Creative Arts	3
PHYS 317, Math Methods for PHYS & ENGR	3
PHYS 333, Wave Motion, Acoustics & Optics	4
MATH 2415, Calculus III	4
Total Hours	17

Second Year Spring Semester

*PSCI 2302, US/TX Govt; Insts & Pols	3
*Social & Behavioral Science	3
*Literature, Philosophy, & Culture	3
PHYS 321, Modern Physics	3
MATH 2320, Differential Equations	3
Total Hours	15

Third Year Fall Semester

PHYS 319, Computational Physics w/ Python	3
PHYS 332 & 332L, Digital Logic & Circuitry	4
Advanced PHYS or ASTR or MATH	3
Minor, Second Major, or Elective	3
Minor, Second Major, or Elective	3
Total Hours	16

Third Year Spring Semester

PHYS 335**, Advanced Physics Laboratory	3
Advanced PHYS or ASTR or MATH	3
CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
Minor, Second Major, or Elective	3
Minor, Second Major, or Elective	3
Total Hours	16

Fourth Year Fall Semester

PHYS 401, Current Topics in PHYS & ASTR	1
PHYS 411**, Classical Mechanics	3
PHYS 420**, Quantum Mechanics	3
Advanced PHYS or ASTR or MATH	4
Minor, Second Major, or Elective	3
Total Hours	14

Fourth Year Spring Semester

PHYS 401, Current Topics in PHYS & ASTR	1
PHYS 412**, Electricity & Magnetism	3
PHYS 414**, Thermodynamics & Kinetic Theory	3
Advanced PHYS or ASTR or MATH	3
Minor, Second Major, or Elective	3
Total Hours	13

Degree Total **123**

* 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.