

# SUGGESTED FOUR-YEAR SCHEDULE: 2019-20

## 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
<b>Total Hours</b>	<b>15</b>

### First Year Spring Semester

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

### Second Year Fall Semester

*PSCI 2305, US Government & Politics	3
*Creative Arts	3
PHYS 317, Math Methods for PHYS & ENGR	3
PHYS 333, Wave Motion, Acoustics & Optics	4
MATH 2415, Calculus III	4
<b>Total Hours</b>	<b>17</b>

### Second Year Spring Semester

*PSCI 2306, TX Government & Politics	3
*Social & Behavioral Science	3
*Literature, Philosophy, & Culture	3
PHYS 321, Modern Physics	3
MATH 2320, Differential Equations	3
<b>Total Hours</b>	<b>15</b>

### Third Year Fall Semester

**PHYS 335, Advanced Physics Laboratory	3
PHYS 332 & 332L, Digital Logic & Circuitry	4
**PHYS 411, Classical Mechanics	3
Minor, Second Major, or Elective	3
Minor, Second Major, or Elective	3
<b>Total Hours</b>	<b>16</b>

### Third Year Spring Semester

PHYS 319, Computational Physics w/ Python	3
**PHYS 412, Electricity & Magnetism	3
*CHEM 1311, Gen & Quant Chemistry I	3
CHEM 1111, Gen & Quant Chemistry I Lab	1
Minor, Second Major, or Elective	3
<b>Total Hours</b>	<b>13</b>

### Fourth Year Fall Semester

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

### Fourth Year Spring Semester

PHYS 401, Current Topics in PHYS & ASTR	1
**PHYS 414, Thermodynamics & Kinetic Theory	3
Advanced PHYS or ASTR or MATH	3
Advanced PHYS or ASTR or MATH	3
Minor, Second Major, or Elective	3
<b>Total Hours</b>	<b>13</b>

**Degree Total 120**

\* 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](http://catalog.tamuc.edu)) for required courses in your program.**