

**Bachelor of Science in Physics
Sample Degree Plan**

<p style="text-align: center;"><u>Fall Semester, First Year (16 SCH)</u></p> <p>RHET 1101 Oral Communication MATH 2417 Calculus I RHET 1302 Rhetoric/ Composition II PHYS 1100 Fun of Physics PHYS 2303 Contemporary Physics CHEM 1311 General Chemistry I CHEM 1111 Chemistry Lab I</p>	<p style="text-align: center;"><u>Spring Semester, First Year (15 SCH)</u></p> <p>PHYS 2325 Mechanics PHYS 2125 Physics Lab 1 MATH 2419 Calculus II CHEM 1312 General Chemistry II CHEM 1112 Chemistry Lab II HUMA 1301 Humanities</p>
<p style="text-align: center;"><u>Fall Semester, Second Year (14 SCH)</u></p> <p>PHYS 2326 Electromagnetism and Waves PHYS 2126 Physics Lab II GOVT 2302 Political Economy of Texas Government MATH 2451 Multivariable Calculus HIST 1301 Themes in American History</p>	<p style="text-align: center;"><u>Spring Semester, Second Year (16 SCH)</u></p> <p>PHYS 3352 Modern Physics I PHYS 3311 Theoretical Physics MATH 2420 Differential Equations GOVT 2301 Federal & Political Behavior in US & TX Social and Behavioral Sciences Elective</p>
<p style="text-align: center;"><u>Fall Semester, Third Year (16 SCH)</u></p> <p>PHYS 4330 Numerical Methods PHYS 3416 Electricity and Magnetism PHYS 3312 Classical Mechanics ARTS 1301 Exploration of the Arts Free Elective (3 SCH)</p>	<p style="text-align: center;"><u>Spring Semester, Third Year (15 SCH)</u></p> <p>PHYS 4311 Thermodynamics/ Stat Mech. PHYS 4301 Quantum Mechanics I PHYS 4328 Optics HIST 1302 Issues in American History Free Elective (3 SCH)</p>
<p style="text-align: center;"><u>Summer Semester, Third Year (3 SCH)</u></p> <p>PHYS 4373 Physical Measurements Lab</p>	
<p style="text-align: center;"><u>Fall Semester, Fourth Year (15 SCH)</u></p> <p>NATS 4310 Advanced Writing (or thesis) PHYS 4352 Modern Physics II Advanced Elective (Non- Physics, 3 SCH) Physics Elective (3 SCH) Free Elective (3 SCH)</p>	<p style="text-align: center;"><u>Spring Semester, Fourth Year (13 SCH)</u></p> <p>PHYS 3325 Electronics PHYS 3125 Electronics Lab Physics Elective (3 SCH) Advanced Elective (Non- Physics, 3 SCH) Free Elective (3 SCH)</p>

- need enough upper level electives to have a total of 51 upper level hours overall
- Always check with your advisor to verify that you are on track to graduate on time