

B.S. Degree in Physics

Name: _____

Updated 8/22/2023

MAJOR (44 hrs)		
<p style="text-align: center;">Introductory Physics (16 hrs)</p> <p>_____ 3 PHYS 100 Intro. to Phys. and Eng.</p> <p>_____ 5 PHYS 211 Engineering Physics I*^</p> <p>_____ 5 PHYS 212 Engineering Physics II*</p> <p>_____ 3 PHYS 313 Modern Physics</p> <p style="text-align: center;">Intermediate Physics (9 hrs)+</p> <p>_____ 3 PHYS 221 Statics</p> <p>_____ 3 PHYS 331 Electronic Circuits</p> <p>_____ 3 PHYS 332 Analog and Digital Electronics</p> <p>_____ 3 PHYS 213 Scientific Computing and Prod.^</p> <p>_____ 3 PHYS 333 Intro. to Computational Physics</p> <p style="text-align: center;">Advanced Physics Electives (15 hrs)</p> <p>_____ 3 PHYS 620 Math Physics</p> <p>_____ 3 PHYS 621 Mechanics</p> <p>_____ 3 PHYS 632 Electricity and Magnetism</p> <p>_____ 3 PHYS 652 Optics</p> <p>_____ 3 PHYS 672 Thermal Physics</p> <p>_____ 3 PHYS 677 Quantum Mechanics I</p> <p>_____ PHYS 678 Quantum Mechanics II</p> <p>_____ 3 PHYS 660 Solid State Physics</p>	<p style="text-align: center;">Laboratory Electives (3 hrs)</p> <p>_____ 1 PHYS 651 Advanced Lab I</p> <p>_____ 1 PHYS 654 Advanced Lab II</p> <p>_____ 1 PHYS 601 Computational Physics Lab</p> <p style="text-align: center;">Projects (2 hrs)</p> <p>_____ 1 PHYS 603 Projects I</p> <p>_____ 1 PHYS 675 Seminar I</p> <p style="text-align: center;">Cognates (22 hrs)</p> <p>_____ 5 CHEM 120 University Chemistry I*</p> <p>_____ 5 MATH 234 Calculus I^</p> <p>_____ 5 MATH 235 Calculus II</p> <p>_____ 3 MATH 236 Calculus III</p> <p>_____ 3 MATH 354 Differential Equations</p> <p>_____ 1 UNIV 101 Freshman Seminar</p>	
<p style="text-align: center;">KBOR General Education (27 hrs)</p> <p>_____ 3 English Composition I</p> <p>_____ 3 English Composition II</p> <p>_____ 3 Fundamentals of Oral Communication</p> <p>_____ 3 Social or Behavioral Science Course</p> <p>_____ 3 Social or Behavioral Science Course</p> <p>_____ 3 Arts or Humanities Course</p> <p>_____ 3 Arts or Humanities Course</p> <p>_____ 3 Critical Thinking</p> <p>_____ 3 Personal and Professional Development Course</p>	<p style="text-align: center;">Free Electives (27 hrs)</p> <p style="text-align: center;">These courses are suggested, not required.</p> <p>_____ 5 CHEM 122 University Chemistry II*</p> <p>_____ 3 MATH 240 Linear Algebra</p> <p>_____ 3 MATH 350 Mathematical Statistics</p> <p>_____ 3 CSCI 121 Computer Science I</p>	

Notes: * Course has a lab requirement
 ^ Course satisfies GenEd requirement
 + Adv. Electives can be substituted for Intern. Electives
 - Outcome met with course required by Degree
 Degree requires a minimum of 45 hours upper division
 Additional 1 hour UNIV 101 required for incoming freshmen

Total Hours: 120