

PHYSICS – CURRICULUM

Freshman Year	Sophomore Year	Junior Year	Senior Year
<u>Fall Semester</u> <div>PHY 2420/21: Matter & Interactions I/Lab 4</div> <div>PHY 2601: Comp Phy Lab I 2</div> <div>MAT 1500: Calculus I 4</div> <div>Foreign Language I 3</div> <div>Humanities Seminar (ACS)* 3</div> <div>PHY 2001: Professional Development I 1</div> <div>Credit Hours 17</div>	<u>Fall Semester</u> <div>PHY 3200: Thermo, Waves & Optics 3</div> <div>PHY 3310/11: Electronics & Lab 4</div> <div>MAT 2500: Calculus III 4</div> <div>Humanities Elective (Core)* 3</div> <div>Humanities Elective (Core)* 3</div> <div>PHY 2001: Professional Development I 1</div> <div>Credit Hours 18</div>	<u>Fall Semester</u> <div>PHY 4000: Elec & Mag I 3</div> <div>PHY 4801: Experimental Phy I 2</div> <div>PHY 4100: Mechanics I 3</div> <div>Humanities Elective (Core)* 3</div> <div>Free Elective 3</div> <div>Credit Hours 14</div>	<u>Fall Semester</u> <div>PHY 5801: Adv Research Experience I 3</div> <div>Physics Elective 3</div> <div>Humanities Elective (Core)* 3</div> <div>Free Elective 3</div> <div>Free Elective 3</div> <div>PHY 2001: Professional Development I 1</div> <div>Credit Hours 16</div>
<u>Spring Semester</u> <div>PHY 2422/23: Matter & Interactions II/Lab 4</div> <div>PHY 2603: Comp Phy Lab II 2</div> <div>MAT 1505: Calculus II 4</div> <div>Foreign Language II 3</div> <div>Humanities Seminar (ACS)* 3</div> <div>PHY 2002: Professional Development II 0</div> <div>Credit Hours 16</div>	<u>Spring Semester</u> <div>PHY 3400: Modern Physics 3</div> <div>PHY 4200: Math Phy I 3</div> <div>MAT 2705: Differential Equations 4</div> <div>Humanities Elective (Core)* 3</div> <div>Humanities Elective (Core)* 3</div> <div>PHY 2002: Professional Development II 0</div> <div>Credit Hours 16</div>	<u>Spring Semester</u> <div>PHY 4803: Experimental Phy II 2</div> <div>PHY 5100: Quantum Mechanics 3</div> <div>Humanities Elective (Core)* 3</div> <div>Humanities Elective (Core)* 3</div> <div>Free Elective 3</div> <div>Credit Hours 14</div>	<u>Spring Semester</u> <div>PHY 5200: Thermo/Stat Mech 3</div> <div>PHY 5803: Adv Research Experience II 3</div> <div>Physics Elective 3</div> <div>Humanities Elective (Core)* 3</div> <div>Free Elective 3</div> <div>PHY 2002: Professional Development II 0</div> <div>Credit Hours 15</div>

*There should be 1 English, 1 Ethics, 1 Fine Arts 1 History, 1 Philosophy, 2 Social Sciences, and 2 Theology among these courses.

Diversity Requirement: Two of the courses counting towards degree requirements must have a Diversity attribute. Select one course from two of the three possible areas of diversity as indicated by the Diversity 1, Diversity 2, or Diversity 3 attributes.