

# PHYSICS – CURRICULUM

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

\*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.