

PHYSICS – B.S. SAMPLE CURRICULUM

Freshman Year	Sophomore Year	Junior Year	Senior Year
<p><u>Fall Semester</u></p> <p>Phy 2410/11: Univ Phy: Mechanics/Lab 4</p> <p>Phy 2601: Comp Phy Lab 1 1</p> <p>Mat 1500: Calculus I 4</p> <p>Foreign Language I 3</p> <p>Humanities Seminar (ACS)* 3</p> <p>Credit Hours 15</p>	<p><u>Fall Semester</u></p> <p>Phy 2414/15: Thermo & Lab 4</p> <p>Phy 3310/11: Electronics & Lab 4</p> <p>Mat 2500: Calculus III 4</p> <p>Chm 1103: Gen Chem Lab I 1</p> <p>Chm 1151: Gen Chem I 4</p> <p>Credit Hours 17</p>	<p><u>Fall Semester</u></p> <p>Phy 4100: Mechanics I 3</p> <p>Phy 4301: Experimental Methods I 2</p> <p>Phy 4000/01: Elec&Mag I/Lab 4</p> <p>Social Sciences Elective (Core)* 3</p> <p>Humanities Elective (Core)* 3</p> <p>Humanities Elective (Core)* 3</p> <p>Credit Hours 18</p>	<p><u>Fall Semester</u></p> <p>Phy 4202: Math Phy II 3</p> <p>Phy 5100: Quantum Mechanics 3</p> <p>Physics Elective** 3</p> <p>Science Elective*** 4</p> <p>Free Elective 3</p> <p>Credit Hours 16</p>
<p><u>Spring Semester</u></p> <p>Phy 2412/13: Univ Phy: Elec&Mag/Lab 4</p> <p>Phy 2603: Comp Phy Lab II 1</p> <p>Mat 1505: Calculus II 4</p> <p>Foreign Language II 3</p> <p>Humanities Seminar (ACS)* 3</p> <p>Credit Hours 15</p>	<p><u>Spring Semester</u></p> <p>Phy 2416/17: Modern Physics & Lab 4</p> <p>Phy 4200: Math Phy I 3</p> <p>Mat 2705: Differential Equations 4</p> <p>Chm 1152: Gen Chem II 4</p> <p>Humanities Elective (Core)* 3</p> <p>Credit Hours 18</p>	<p><u>Spring Semester</u></p> <p>Phy 4102: Mechanics II 3</p> <p>Phy 4002/03: Elec & Mag II/Lab 4</p> <p>Social Sciences Elective (Core)* 3</p> <p>Humanities Elective (Core)* 3</p> <p>Humanities Elective (Core)* 3</p> <p>Credit Hours 16</p>	<p><u>Spring Semester</u></p> <p>Phy 5200: Thermo/StatMech 3</p> <p>Phy 5300: Subatomic Physics 3</p> <p>Humanities Elective (Core)* 3</p> <p>Humanities Elective (Core)* 3</p> <p>Free Elective 3</p> <p>Credit Hours 15</p>

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

** May be replaced with a Senior Thesis/Research Project.

***If a 3 credit science course is taken, then an additional course of 1 or more credits must be taken.

*10/9/2019