

## In-Depth Physics Major (starting in even numbered year)

<b>First Year</b>	Fall(17cr)	<input type="checkbox"/> 4 Physics 132	Matter, Light, and Energy	This worksheet <u>assumes</u> that 2 years of high school foreign language have been completed.	
		<input type="checkbox"/> 4 Math 171	Calculus I		
		<input type="checkbox"/> 4 Computer Science 106	Intro to Scientific Computation and Modeling		
		<input type="checkbox"/> 0 Physics 195	Seminar		
		<input type="checkbox"/> 4 <i>Foreign Language #1</i>			
		<input type="checkbox"/> 1 <i>Interdisciplinary 149</i>	<i>First Year Seminar</i>		
	INT	<input type="checkbox"/> 3 <i>Interdisciplinary 150</i>	<i>Developing A Christian Mind</i>		
	Spring(17cr)	<input type="checkbox"/> 4 Physics 133	Introductory Physics: Mechanics and Gravity		Students completing this program earn both a physics major and an optics minor (by substituting advanced courses for introductory ones.)
		<input type="checkbox"/> 4 Astronomy 212	Galactic Astronomy and Cosmology		
		<input type="checkbox"/> 4 Math 172	Calculus II		
<input type="checkbox"/> 0 Physics 195		Seminar			
<input type="checkbox"/> 4 <i>Foreign Language #2</i>					
<input type="checkbox"/> 1 <i>PE #1</i>					
<b>Second Year</b>	Fall(17cr)	<input type="checkbox"/> 4 Physics 235	Introductory Physics: Electricity & Magnetism		
		<input type="checkbox"/> 4 Math 271	Multivariable Calculus		
		<input type="checkbox"/> 0 Physics 195	Seminar		
		<input type="checkbox"/> 3 <i>Bibl/Theol. Foundations I</i>			
		<input type="checkbox"/> 3 <i>English 101</i>			
		<input type="checkbox"/> 3 <i>Philosophy 153</i>			
	INT	<input type="checkbox"/> 3 <i>Cross Cultural Engagement</i>			
	Spring(17cr)	<input type="checkbox"/> 1 Physics 237	Einstein's Theory of Relativity		
		<input type="checkbox"/> 3 Physics 246	Waves, Optics, & Optical Technology		
		<input type="checkbox"/> 4 Astronomy 211	Planetary and Stellar Astronomy		
<input type="checkbox"/> 4 Math 231		Differential Equations with Linear Algebra			
<input type="checkbox"/> 0 Physics 195		Seminar			
<input type="checkbox"/> 4 <i>History 151 or 152</i>					
<input type="checkbox"/> 1 <i>PE #2</i>					
<b>Third Year</b>	Fall(16cr)	<input type="checkbox"/> 4 Physics 335	Classical Mechanics		
		<input type="checkbox"/> 3 Physics 345	Electromagnetism		
		<input type="checkbox"/> 2 Physics 339	Advanced Classical Mechanics Laboratory		
		<input type="checkbox"/> 4 Math 333 <i>or core</i>	Partial Differential Equations		
		<input type="checkbox"/> 0 Physics 195	Seminar		
		<input type="checkbox"/> 3 <i>Rhetoric in Culture</i>			
	INT	<input type="checkbox"/> 3 <i>Elective</i>			
	Spring(17cr)	<input type="checkbox"/> 4 Physics 306	Introduction to Quantum Physics		
		<input type="checkbox"/> 3 Physics 346	Advanced Optics		
		<input type="checkbox"/> 1 Physics 347	Relativistic Electrodynamics		
<input type="checkbox"/> 2 Physics 349		Advanced Electromagnetism and Optics Laboratory			
<input type="checkbox"/> 0 Physics 195		Seminar			
<input type="checkbox"/> 3 <i>Arts</i>					
<input type="checkbox"/> 3 <i>Bibl/Theol. Foundations II</i> or Math 333					
<input type="checkbox"/> 1 <i>PE #3</i>					
<b>Fourth Year</b>	Fall(16cr)	<input type="checkbox"/> 4 Physics 365	Thermodynamics and Statistical Mechanics		
		<input type="checkbox"/> 3 Physics 375	Quantum Mechanics I		
		<input type="checkbox"/> 0 Physics 195	Seminar		
		<input type="checkbox"/> 3 <i>Global &amp; Historical Studies</i>			
		<input type="checkbox"/> 3 <i>Societal Structures</i>			
		<input type="checkbox"/> 3 <i>Persons in Community</i>			
	INT	<input type="checkbox"/> 3 <i>Elective</i>			
	Spring(15cr)	<input type="checkbox"/> 3 Physics 376	Quantum Mechanics II		
		<input type="checkbox"/> 2 Physics 379	Advanced Quantum Physics Laboratory		
		<input type="checkbox"/> 4 Engineering 204	Circuits Analysis and Electronics		
<input type="checkbox"/> 0 Physics 195		Seminar			
<input type="checkbox"/> 3 <i>Literature</i>					
<input type="checkbox"/> 3 <i>Integrative Studies</i>					

