

**Degree Program Course List (DPCL) of major requirements for students entering Loyola or transferring into the major in 2014-15\***

**NAME:** \_\_\_\_\_

**B.S. PHYSICS PRE-HEALTH - PHYP DATE:** \_\_\_\_\_

<b>UHP CURRICULUM: PHYSICS PRE-HEALTH – 52 Credits</b>	<b>MAJOR ..... 31 Crs.</b>	<b>ADJUNCT ..... 29 Crs.</b>	<b>REQUIREMENTS ACROSS THE CURRICULUM (RAC)</b>																																																																																																																																																																																																																
<table style="width:100%; border-collapse: collapse;"> <tr> <td><b>HONORS CORE CURRICULUM</b></td> <td align="center"><b>Crs.</b></td> <td align="center"><b>Grade</b></td> <td></td> </tr> <tr> <td>First-Year Seminar H121</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Ignatian Colloquium H193 or H194</td> <td align="center">1</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Social Justice Seminar H396</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Honors Ethics H215</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>10</b></td> <td></td> <td></td> </tr> <tr> <td><b>MATH/ NATURAL SCIENCE REQUIREMENTS</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mathematics A257 or H257 Calculus I</td> <td align="center">4</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Chemistry A105/A107 Gen Chem I/Lab</td> <td align="center">3 + 1</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Chemistry A106/A108 Gen Chem II/Lab</td> <td align="center">3 + 1</td> <td align="center">_____</td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>12</b></td> <td></td> <td></td> </tr> <tr> <td><b>HONORS DISCIPLINARY REQUIREMENTS* (H295)**</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>History _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Philosophy _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Religious Studies _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Social Science _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Literature _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Creative Arts and Cultures _____</td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>12</b></td> <td></td> <td></td> </tr> <tr> <td><b>ADVANCED HONORS/ACC (H-, ACC, AP courses)</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>English _____</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>History _____</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Philosophy _____</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Religious Studies _____</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>12</b></td> <td></td> <td></td> </tr> <tr> <td><b>LANGUAGE Placement Level _____</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Placement course</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td>Higher course</td> <td align="center">3</td> <td align="center">_____</td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>6</b></td> <td></td> <td></td> </tr> <tr> <td><b>HONORS THESIS/CREDITS IN THE MAJOR</b></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Subtotal</b></td> <td align="center"><b>(6)</b></td> <td></td> <td></td> </tr> </table>	<b>HONORS CORE CURRICULUM</b>	<b>Crs.</b>	<b>Grade</b>		First-Year Seminar H121	3	_____		Ignatian Colloquium H193 or H194	1	_____		Social Justice Seminar H396	3	_____		Honors Ethics H215	3	_____		<b>Subtotal</b>	<b>10</b>			<b>MATH/ NATURAL SCIENCE REQUIREMENTS</b>				Mathematics A257 or H257 Calculus I	4	_____		Chemistry A105/A107 Gen Chem I/Lab	3 + 1	_____		Chemistry A106/A108 Gen Chem II/Lab	3 + 1	_____		<b>Subtotal</b>	<b>12</b>			<b>HONORS DISCIPLINARY REQUIREMENTS* (H295)**</b>				History _____				Philosophy _____				Religious Studies _____				Social Science _____				Literature _____				Creative Arts and Cultures _____				<b>Subtotal</b>	<b>12</b>			<b>ADVANCED HONORS/ACC (H-, ACC, AP courses)</b>				English _____	3	_____		History _____	3	_____		Philosophy _____	3	_____		Religious Studies _____	3	_____		<b>Subtotal</b>	<b>12</b>			<b>LANGUAGE Placement Level _____</b>				Placement course	3	_____		Higher course	3	_____		<b>Subtotal</b>	<b>6</b>			<b>HONORS THESIS/CREDITS IN THE MAJOR</b>				<b>Subtotal</b>	<b>(6)</b>			<table style="width:100%; border-collapse: collapse;"> <tr> <td>Intro Mechanics A101 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> <tr> <td>Intro Mechanics Lab A103 _____</td> <td align="center">1</td> <td align="center">_____</td> </tr> <tr> <td>Intro EM &amp; Relativity A102 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> <tr> <td>Intro EM Lab A104 _____</td> <td align="center">1</td> <td align="center">_____</td> </tr> <tr> <td>Intro Waves and Quant. A240 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Intro Thermal Physics A241 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Classical Mechanics A340 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> <tr> <td>Electricity and Magnetism A350 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> <tr> <td>Adv. Laboratory Physics A445 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Quantum Mechanics A450 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> </table> <p align="center"><b>Courses used in the major cannot also be used to satisfy requirements for a minor.</b></p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <table style="width:100%; border-collapse: collapse;"> <tr> <td>Common Curr. ....</td> <td align="right">45 crs.</td> </tr> <tr> <td>Comm Curr Lang. ....</td> <td align="right">6 crs.</td> </tr> <tr> <td>Major .....</td> <td align="right">31 crs.</td> </tr> <tr> <td>Adjunct .....</td> <td align="right">29 crs.</td> </tr> <tr> <td>General Elect. ....</td> <td align="right">9 crs.</td> </tr> <tr> <td><b>Total .....</b></td> <td align="right"><b>120 Crs.</b></td> </tr> </table> </div>	Intro Mechanics A101 _____	4	_____	Intro Mechanics Lab A103 _____	1	_____	Intro EM & Relativity A102 _____	4	_____	Intro EM Lab A104 _____	1	_____	Intro Waves and Quant. A240 _____	3	_____	Intro Thermal Physics A241 _____	3	_____	Classical Mechanics A340 _____	4	_____	Electricity and Magnetism A350 _____	4	_____	Adv. Laboratory Physics A445 _____	3	_____	Quantum Mechanics A450 _____	4	_____	Common Curr. ....	45 crs.	Comm Curr Lang. ....	6 crs.	Major .....	31 crs.	Adjunct .....	29 crs.	General Elect. ....	9 crs.	<b>Total .....</b>	<b>120 Crs.</b>	<table style="width:100%; border-collapse: collapse;"> <tr> <td>Intro Linear Algebra Math-A200 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Calculus II Math-A258 _____</td> <td align="center">4</td> <td align="center">_____</td> </tr> <tr> <td>Calculus III Math-A259 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Intro to Differential Equa. Math-A310 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Cells &amp; Heredity Biol-A106 - Lec _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Biol-A107 - Lab _____</td> <td align="center">1</td> <td align="center">_____</td> </tr> <tr> <td>Biol of Organisms Biol-A108 - Lec _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Biol-A109 - Lab _____</td> <td align="center">1</td> <td align="center">_____</td> </tr> <tr> <td>Organic Chem I Chem-A300 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>Organic Chem I - Lab Chem-A305 _____</td> <td align="center">2</td> <td align="center">_____</td> </tr> <tr> <td>Organic Chem II Chem-A301 _____</td> <td align="center">3</td> <td align="center">_____</td> </tr> </table> <p align="center"><b>GENERALECTIVES ..... 9 Crs.</b></p> <table style="width:100%; border-collapse: collapse;"> <tr> <td>_____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>_____</td> <td align="center">3</td> <td align="center">_____</td> </tr> <tr> <td>_____</td> <td align="center">3</td> <td align="center">_____</td> </tr> </table>	Intro Linear Algebra Math-A200 _____	3	_____	Calculus II Math-A258 _____	4	_____	Calculus III Math-A259 _____	3	_____	Intro to Differential Equa. Math-A310 _____	3	_____	Cells & Heredity Biol-A106 - Lec _____	3	_____	Biol-A107 - Lab _____	1	_____	Biol of Organisms Biol-A108 - Lec _____	3	_____	Biol-A109 - Lab _____	1	_____	Organic Chem I Chem-A300 _____	3	_____	Organic Chem I - Lab Chem-A305 _____	2	_____	Organic Chem II Chem-A301 _____	3	_____	_____	3	_____	_____	3	_____	_____	3	_____	<p><b>REQUIREMENTS ACROSS THE CURRICULUM (RAC)</b></p> <p><i>Note: Cannot be satisfied with an Intro Comm Curr course</i></p> <p>Catholic Tradition _____</p> <p>Diversity _____</p> <p>Premodern _____</p> <p><b>Use space for comments or for Minor Check-off.</b></p> <p>_____</p> <p>_____</p> <p>_____</p>
<b>HONORS CORE CURRICULUM</b>	<b>Crs.</b>	<b>Grade</b>																																																																																																																																																																																																																	
First-Year Seminar H121	3	_____																																																																																																																																																																																																																	
Ignatian Colloquium H193 or H194	1	_____																																																																																																																																																																																																																	
Social Justice Seminar H396	3	_____																																																																																																																																																																																																																	
Honors Ethics H215	3	_____																																																																																																																																																																																																																	
<b>Subtotal</b>	<b>10</b>																																																																																																																																																																																																																		
<b>MATH/ NATURAL SCIENCE REQUIREMENTS</b>																																																																																																																																																																																																																			
Mathematics A257 or H257 Calculus I	4	_____																																																																																																																																																																																																																	
Chemistry A105/A107 Gen Chem I/Lab	3 + 1	_____																																																																																																																																																																																																																	
Chemistry A106/A108 Gen Chem II/Lab	3 + 1	_____																																																																																																																																																																																																																	
<b>Subtotal</b>	<b>12</b>																																																																																																																																																																																																																		
<b>HONORS DISCIPLINARY REQUIREMENTS* (H295)**</b>																																																																																																																																																																																																																			
History _____																																																																																																																																																																																																																			
Philosophy _____																																																																																																																																																																																																																			
Religious Studies _____																																																																																																																																																																																																																			
Social Science _____																																																																																																																																																																																																																			
Literature _____																																																																																																																																																																																																																			
Creative Arts and Cultures _____																																																																																																																																																																																																																			
<b>Subtotal</b>	<b>12</b>																																																																																																																																																																																																																		
<b>ADVANCED HONORS/ACC (H-, ACC, AP courses)</b>																																																																																																																																																																																																																			
English _____	3	_____																																																																																																																																																																																																																	
History _____	3	_____																																																																																																																																																																																																																	
Philosophy _____	3	_____																																																																																																																																																																																																																	
Religious Studies _____	3	_____																																																																																																																																																																																																																	
<b>Subtotal</b>	<b>12</b>																																																																																																																																																																																																																		
<b>LANGUAGE Placement Level _____</b>																																																																																																																																																																																																																			
Placement course	3	_____																																																																																																																																																																																																																	
Higher course	3	_____																																																																																																																																																																																																																	
<b>Subtotal</b>	<b>6</b>																																																																																																																																																																																																																		
<b>HONORS THESIS/CREDITS IN THE MAJOR</b>																																																																																																																																																																																																																			
<b>Subtotal</b>	<b>(6)</b>																																																																																																																																																																																																																		
Intro Mechanics A101 _____	4	_____																																																																																																																																																																																																																	
Intro Mechanics Lab A103 _____	1	_____																																																																																																																																																																																																																	
Intro EM & Relativity A102 _____	4	_____																																																																																																																																																																																																																	
Intro EM Lab A104 _____	1	_____																																																																																																																																																																																																																	
Intro Waves and Quant. A240 _____	3	_____																																																																																																																																																																																																																	
Intro Thermal Physics A241 _____	3	_____																																																																																																																																																																																																																	
Classical Mechanics A340 _____	4	_____																																																																																																																																																																																																																	
Electricity and Magnetism A350 _____	4	_____																																																																																																																																																																																																																	
Adv. Laboratory Physics A445 _____	3	_____																																																																																																																																																																																																																	
Quantum Mechanics A450 _____	4	_____																																																																																																																																																																																																																	
Common Curr. ....	45 crs.																																																																																																																																																																																																																		
Comm Curr Lang. ....	6 crs.																																																																																																																																																																																																																		
Major .....	31 crs.																																																																																																																																																																																																																		
Adjunct .....	29 crs.																																																																																																																																																																																																																		
General Elect. ....	9 crs.																																																																																																																																																																																																																		
<b>Total .....</b>	<b>120 Crs.</b>																																																																																																																																																																																																																		
Intro Linear Algebra Math-A200 _____	3	_____																																																																																																																																																																																																																	
Calculus II Math-A258 _____	4	_____																																																																																																																																																																																																																	
Calculus III Math-A259 _____	3	_____																																																																																																																																																																																																																	
Intro to Differential Equa. Math-A310 _____	3	_____																																																																																																																																																																																																																	
Cells & Heredity Biol-A106 - Lec _____	3	_____																																																																																																																																																																																																																	
Biol-A107 - Lab _____	1	_____																																																																																																																																																																																																																	
Biol of Organisms Biol-A108 - Lec _____	3	_____																																																																																																																																																																																																																	
Biol-A109 - Lab _____	1	_____																																																																																																																																																																																																																	
Organic Chem I Chem-A300 _____	3	_____																																																																																																																																																																																																																	
Organic Chem I - Lab Chem-A305 _____	2	_____																																																																																																																																																																																																																	
Organic Chem II Chem-A301 _____	3	_____																																																																																																																																																																																																																	
_____	3	_____																																																																																																																																																																																																																	
_____	3	_____																																																																																																																																																																																																																	
_____	3	_____																																																																																																																																																																																																																	

\*FYS, Social Justice Seminar, and Ethics may fulfill up to 6 crs. (or two disciplines) as determined by the UHP.

\*\*The UHP reserves the right to determine which discipline an H295 course satisfies due to the inherent interdisciplinary nature of most H295 courses.

GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative.

Math-A092 will not be used in total credits needed for degree.

**\*Note: Common Curriculum requirements are governed by the catalog year that a student is admitted.**