

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-ENGINEERING - PHYE

DATE: _____

UHP CURRICULUM: PHYSICS PRE-ENGINEERING – 51 Credits	MAJOR 31 Crs.	ADJUNCT 16 Crs.	REQUIREMENTS ACROSS THE CURRICULUM (RAC)																																																																																																																																																																																																																					
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(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.</p>	HONORS CORE CURRICULUM				Crs.	Grade	First-Year Seminar H121	3	_____	Ignatian Colloquium H193 or H194	1	_____	Social Justice Seminar H396	3	_____	Honors Ethics H215	3	_____	Subtotal	10		MATH/ NATURAL SCIENCE REQUIREMENTS			Mathematics A257 or H257 Calculus I	4	_____	Chemistry A105/A107 Gen Chem I/Lab	3 + 1	_____	Chemistry A106/A108 Gen Chem II/Lab		_____	OR Biology A106/A107 Cells and Heredity/Lab	3 + 1	_____	Subtotal	12		HONORS DISCIPLINARY REQUIREMENTS* (H295)**			History _____	_____	_____	Philosophy _____	_____	_____	Religious Studies _____	_____	_____	Social Science _____	_____	_____	Literature _____	_____	_____	Creative Arts and Cultures _____	_____	_____	Subtotal	12		ADVANCED HONORS/ACC (H-, ACC, AP courses)			English _____	3	_____	History _____	3	_____	Religious Studies _____	3	_____	Subtotal	9		LANGUAGE Placement Level _____			Placement course	3	_____	Higher course	3	_____	Subtotal	6		HONORS THESIS/CREDITS IN THE MAJOR			Subtotal	(6)		<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Intro Mechanics</td> <td style="width:15%; text-align: center;">4</td> <td style="width:25%; text-align: center;">_____</td> </tr> <tr> <td>A101 _____</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Intro Mechanics Lab</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A103 _____</td> <td style="text-align: center;">1</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Intro EM & Relativity</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A102 _____</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Intro EM Lab</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A104 _____</td> <td style="text-align: center;">1</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Intro Waves and Quant.</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A240 _____</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Intro Thermal Physics</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A241 _____</td> <td style="text-align: center;">3</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Classical Mechanics</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A340 _____</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Electricity and Magnetism</td> <td></td> <td style="text-align: center;">_____</td> </tr> <tr> <td>A350 _____</td> <td style="text-align: center;">4</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>Adv. 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If the student successfully completes the courses listed on this page (i.e., 2.0 GPA in major courses and 2.0 GPA cumulative) and then transfers to a school of engineering and successfully completes the engineering degree there, Loyola will, upon official certification of student's engineering degree, award the B.S. Physics degree.</i></p> <p style="font-size: small; margin-top: 10px;"><i>Loyola has a specific 3-2 program with the University of New Orleans.</i></p> <p style="font-size: small; margin-top: 10px;"><i>For information about this program, see the Chair of the Department of Physics.</i></p>	Intro Linear Algebra	3	_____	Math-A200 _____	3	_____	Calculus II		_____	Math-A258 _____	4	_____	Calculus III		_____	Math-A259 _____	3	_____	Intro to Differential Equa.		_____	Math-A310 _____	3	_____	Adv. 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