

Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2016-17*

NAME:

B.S. PHYSICS PRE-ENGINEERING - PHYE

DATE:

UHP CURRICULUM: PHYE* - 39 Credits		MAJOR.....33 Crs	ADJUNCT.....20 Crs	NOTES:
Honors Core Curriculum	Crs/Grd	Intro to Physics and Engineering A120_____1_____	Into Linear Algebra Math-A200_____3_____	Honors Curriculum requirements are governed by the catalog year that a student is admitted.
First-Year Seminar H121	3_____			
Ignatian Colloquium H193 or H194	1_____			Courses used in the major cannot also be used to satisfy requirements for a minor: Non-major courses WILL be applied to minors as appropriate.
Social Justice Seminar H396	3_____	Intro Mechanics A101_____4_____	Calculus II Math-A258_____4_____	
Honors Ethics H215 ¹ (check off once completed)	<input type="checkbox"/>			
Subtotal	7			Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola cumulative.
Foundation Courses		Mechanics Lab A103_____1_____	Calculus III Math-A259_____3_____	
Mathematics A257 or H257 Calculus 1	4_____			
Chemistry A105/A107 Gen Chem I/Lab	3/1_____	EM & Relativity A102_____4_____	Intro Differential Equations Math-A310_____3_____	
Subtotal	8			
Honors Disciplinary Requirements		EM Lab A104_____1_____	Adv. Math Elective: <i>(Choose one)</i> A350, Differential Equations A410, Advanced Calculus I A415, Complex Variables _____3_____	
History H-level _____	3_____			
Literature H-level _____	3_____			
Religious Studies H-level _____	3_____	Intro Waves and Quant. A240_____4_____		
Philosophy H-level _____	3_____			
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3_____	Intro Thermal Physics A241_____3_____	General Chem II Chem-A106 (Lec) _____3_____	
Religious Studies (H-level or 200+ RELS course)	3_____		Chem-A108 (Lab) _____1_____	
Philosophy (H-level or PHIL-U/W200+ course)	3_____	Classical Mechanics A340_____4_____		
Creative Arts & Culture (H-level or approved performance course(s))	3_____	Electricity and Magnetism A350_____4_____		
Subtotal	24			
*Students interested in engineering may acquire their pre-engineering training at Loyola and then transfer to a school of engineering to complete their studies. If the student successfully completes the courses listed on this page (i.e., 2.0 GPA in major courses and 3.3 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.		Adv. Laboratory Physics A445_____3_____		In order to graduate from the University Honors Program, students are usually required to complete an honors thesis. Due to the liminal nature of this degree, this requirement may be adjusted or waived. Please consult an Honors advisor about what steps are right for you.
*Loyola has a specific 3-2 program with the University of New Orleans		Quantum Mechanics A450_____4_____		
*For information about this program, see the Chair of the Department of Physics.				
¹ May be satisfied with an ethics course in the major; if not, H215 must be used to satisfy at least one Honors Disciplinary Requirement				
				Honors Curriculum..... 39 crs Major.....33 crs Adjunct.....20 crs Total92 crs