

Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2017-18*

NAME:

B.S. PHYSICS - PHYS (CIP: 40.0801)

DATE:

UHP CURRICULUM: PHYS - 39 Credits		MAJOR.....42 Crs	ADJUNCT.....20 Crs	NOTES:
Honors Core Curriculum	Crs/Grd	Intro to Physics and Engineering	Intro Linear Algebra	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.
First-Year Seminar H121	3 _____	A120 _____ 1 _____	Math-A200 _____ 3 _____	
Ignatian Colloquium H193 or H194	1 _____	Intro Mechanics	Calculus II	Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola cumulative.
Social Justice Seminar H396	3 _____	A101 _____ 4 _____	Math-A258 _____ 4 _____	
Honors Ethics H215 ¹ (check off once completed)	<input type="checkbox"/>	Mechanics Lab	Calculus III	Honors requirements are governed by the catalog year that a student is admitted.
Subtotal	7	A103 _____ 1 _____	Math-A259 _____ 3 _____	
Foundation Courses		Intro EM & Relativity	General Chem II	Thesis work is a dedicated process that spans multiple semesters, and you may be asked to take additional scaffolding courses. Please consult an honors advisor about what steps are right for you.
Mathematics A257 or H257 Calculus 1	4 _____	A102 _____ 4 _____	Chem-A106 (Lec) _____ 3 _____	
Chemistry A105/A107 Gen Chem I/Lab	3/1 _____	EM Lab	Chem-A108 (Lab) _____ 1 _____	GENERAL ELECTIVES.....19 Crs
Subtotal	8	A104 _____ 1 _____	Intro Differential Equations	
Honors Disciplinary Requirements		Intro Waves and Quant.	Math-A310 _____ 3 _____	<p align="center">Adv. Math Elective: (Choose one):</p> A350, Differential Equations A410, Advanced Calculus I A415, Complex Variables
History H-level _____	3 _____	A240 _____ 4 _____		
Literature H-level _____	3 _____	Intro Thermal Physics		<p align="center">Thesis work is a dedicated process that spans multiple semesters, and you may be asked to take additional scaffolding courses. Please consult an honors advisor about what steps are right for you.</p>
Religious Studies H-level _____	3 _____	A241 _____ 3 _____		
Philosophy H-level _____	3 _____	Classical Mechanics		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3 _____	A340 _____ 4 _____		
_____	3 _____	Electricity and Magnetism		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
Religious Studies (H-level or 200+ RELS course)	3 _____	A350 _____ 4 _____		
_____	3 _____	Adv. Laboratory Physics		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
Philosophy (H-level or PHIL-U/W200+ course)	3 _____	A445 _____ 3 _____		
_____	3 _____	Quantum Mechanics		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
Creative Arts & Culture (H-level or approved performance course(s))	3 _____	A450 _____ 4 _____		
Subtotal	24	Advanced Physics Elective*		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
Honors Thesis Sequence		_____ 3 _____		
PHYS-H498 Honors Thesis (completed in the major)	<input type="checkbox"/>	Advanced Physics Elective*		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
_____	_____	_____ 3 _____		
Subtotal	0-5	_____ 3 _____		<p align="center">GENERAL ELECTIVES.....19 Crs</p>
¹ May be satisfied with an ethics course in the major; if not, an honors ethics course must be used to satisfy at least one Honors Disciplinary Requirement		*A300-400 level		
				Honors Curriculum.....39 crs Major.....42 crs Adjunct.....20 crs General Elective.....19 crs Total.....120 crs