

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: _____

Is English Placement Exam required? _____ NO _____ YES	Is Math Placement Exam required? _____ NO _____ YES
English Composition Placement is: _____ A100 _____ A105 _____ T122 _____ Exempt 3 credits of T122	Math Placement is: _____ A092 _____ A117 _____ A118 _____ A257

COMMON CURRICULUM - 45 Credits

INTRODUCTORY COMMON CURRICULUM (ICC) Crs. Grade

First-Year Seminar T121 _____	3	_____
Engl T122: Critical Reading and Writing _____	3	_____
Math A257: Calculus I _____	4	_____
Hist T122: Gbd Hist I or Hist T124: Global Hist II* _____	3	_____
*Choice here determines Hist II ACC course		
Phil T122: Philosophy of Human Person _____	3	_____
Rels T122: Relig of World or Rels T124: Christianity & Soc ____	3	_____
Scie I: Chem A105/A107, General Chemistry I / Lab _____	3 + 1	_____
23		

ADVANCED COMMON CURRICULUM (ACC)

Writing About Literature _____	3	_____
Hist II: ACC _____	3	_____
*Modern or Premodern depending on Hist I		
Rels II: ACC*** _____	3	_____
Scie II: Chem-A106/A108, General Chemistry II / Lab** ____	3 + 1	_____
**or Biol-A106/A107, Cells & Heredity / Lab		
Foundational Ethics*** _____	0	_____

Choose One:

Phil II: Foundation of Knowledge*** _____	3	_____
***Rels II or Phil II must be an ethics-based course to satisfy Found'l Ethics		
Creative Arts and Cultures _____	3	_____
Social Science _____	3	_____
16		

LANGUAGE Placement level _____

Placement course _____	3	_____
Higher course _____	3	_____
6		

Courses include spoken language A100, A101, A200, A201; Classical language A100, A101, A250, A251-A499; or Cosc-A211, Cosc-A212, Math-A271

MAJOR 31 Crs.

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	_____

Courses used in the major cannot also be used to satisfy requirements for a minor.

Common Curr.	39 crs.
Comm Curr Lang.	6 crs.
Major	31 crs.
Adjunct	16 crs.
General Elect.	2 crs.
Total	94 Crs.

ADJUNCT 16 Crs.

Intro Linear Algebra Math-A200 _____	3	_____
Calculus II Math-A258 _____	4	_____
Calculus III Math-A259 _____	3	_____
Intro to Differential Equa. Math-A310 _____	3	_____
Adv. Math Elective: (<i>Choose one</i>) A350, Differential Equations A410, Advanced Calculus I A415, Complex Variables _____	3	_____

GENERALECTIVES 2 Crs.

_____	2	_____
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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 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.

Loyola has a specific 3-2 program with the University of New Orleans.

For information about this program, see the Chair of the Department of Physics.

REQUIREMENTS ACROSS THE CURRICULUM (RAC)

Note: Cannot be satisfied with an Intro Comm Curr course

Catholic Tradition _____
Diversity _____
Premodern _____

Use space for comments or for Minor Check-off.

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.**