

**Degree Program Course List (DPCL) of major requirements for students entering Loyola or transferring into the major in 2015-16\***

**NAME:**

**B.S. PHYSICS PRE-ENGINEERING - PHYE**

**DATE:**

English Composition Placement is: ACT ENGL score 21 or above SAT Verbal score 501 or above Register for ENGL-T122 _____ ACT ENGL score 20 or below SAT Verbal score 500 or below Register for ENGL-A100 _____	Is Math Placement Exam required? _____ NO _____ YES  Math Placement is: _____ A092 _____ A117 _____ A118 _____ A257	<b>MAJOR ..... 31 Crs.</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 _____	<b>ADJUNCT ..... 16 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 _____  Adv. Math Elective: ( <i>Choose one</i> ) A350, Differential Equations A410, Advanced Calculus I A415, Complex Variables _____ 3 _____	<b>REQUIREMENTS ACROSS THE CURRICULUM (RAC)</b> <b>Note: <i>Cannot be satisfied with an Intro Comm Curr course</i></b>  Catholic Tradition _____  Diversity _____  Premodern _____
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**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: Global Hist I <b>or</b> Hist T124: Global Hist II* _____	3	_____
*Choice here determines Hist ACC course		
Phil T122: Philosophy of Human Person _____	3	_____
<b>Rels T122: Relig of World</b> <i>or</i> Rels T124: Christianity & Soc _____	3	_____
Scie I: Chem A105/A107, General Chemistry I / Lab _____	3 + 1	_____
	<b>23</b>	

**ADVANCED COMMON CURRICULUM (ACC)**

Writing About Literature _____	3	_____
Hist ACC _____	3	_____
* If T122 previously taken, take Modern; if T124 taken, take Emerging World		
Rels 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 ACC*** _____	3	_____
***Rels ACC <i>or</i> Phil ACC <i>must be ethics-based course to satisfy Found'l Ethics</i>		
Creative Arts and Cultures _____	3	_____
Social Science _____	3	_____
	<b>16</b>	

**LANGUAGE** Placement level \_\_\_\_\_

Placement course _____	3	_____
Higher course _____	3	_____
	<b>6</b>	

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

**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.
<b>Total .....</b>	<b>94 Crs.</b>

**GENERALECTIVES ..... 2 Crs.**

\_\_\_\_\_ 2 \_\_\_\_\_

*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.*

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.**