

**Degree Program Course List (DPCL) of major requirements for students entering Loyola or transferring into the major in 2011-12\***

**NAME:** \_\_\_\_\_ **B.S. PHYSICS - PHYE (Pre-Engineering) DATE:** \_\_\_\_\_

Is English Placement Exam required? _____ NO _____ YES  English Composition Placement is: _____ A100 _____ A105 _____ T122 _____ Exempt 3 hours for T122	Is Math Placement Exam required? _____ NO _____ YES  Math Placement is: _____ A092 _____ A117 _____ A118 _____ A257	<b>MAJOR ..... 31 Hrs.</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 Hrs.</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 (Choose from A350, A410, or A415) _____ 3 ____	<b>FOREIGNLANG ..... 3 Hrs.</b>  A101 _____ 3 ____  Graduation requirement is the successful completion of an A101 foreign language course. If A100 is taken, the 3 credit hours will be applied toward the General Elective requirement.  <b>GENERAL ELECTIVES ..... 3 Hrs.</b>  _____ 3 ____
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**COMMON CURRICULUM - 41 Hours**

**INTRODUCTORY REQUIREMENTS (Courses Numbered T120-T125)**

	Course No.	Hrs.	Grd.
First Year Seminar _____	T121	3	____
English Composition _____	T122	3	____
Mathematics _____	A257	4	____
History (World Civ I) _____	T122	3	____
History (World Civ II) _____	T124	3	____
Philosophy _____	T122	3	____
Religious Studies _____	T122	3	____
Science _____ Chem A105/A107	3 + 1	____	____
English Literature _____	T125	3	____ (Prerequisite ENGL-T122)
		<b>29</b>	

**ADVANCED REQUIREMENTS (Courses Numbered U-Z 130-499)**

	Course No.	Hrs.	Grd.	Pre-Mod (2)
Philosophy _____	3	____	____	____
Religious Studies _____	3	____	____	____
Phil or Rels _____	3	____	____	____
Natural Sci _____	3	____	____	____
		<b>12</b>		

**CODES**

U - Hum Arts (Pre-Mod)  
 V - Hum Arts (Modern)  
 W - Beh/Soc Sci (Pre-Mod)  
 X - Beh/Soc Sci (Modern)  
 Y - Nat Sci (Pre-Mod)  
 Z - Nat Sci (Modern)

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

Common Curr. ....	41 Hrs.
Major .....	31 Hrs.
Foreign Lang. ....	3 Hrs.
Adjunct .....	16 Hrs.
General Elect. ....	3 Hrs.
<b>Total .....</b>	<b>94 Hrs.</b>

Students **may not** take Common Curriculum courses offered by their major department to meet Common Curriculum requirements.

Only courses within the Common Curriculum lettering/numbering scheme (U-Z 130-499) will meet Common Curriculum requirements.

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

GPA: Must achieve 2.0 in Major and Loyola cumulative.

Math-A092 will not be used in total hours needed for degree.

**\*Note: Common Curriculum requirements are governed by the catalog year that a student is admitted.**