

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

<b>NAME:</b>		<b>B.S. PHYSICS PRE-ENGINEERING - PHYE (CIP: 40.0801)</b>		<b>DATE:</b>
English Composition Placement is:	ALEKS MATH COURSE PLACEMENT	<b>MAJOR.....33 Crs</b>	<b>ADJUNCT.....20 Crs</b>	<b>NOTES:</b> Loyola Core requirements are governed by the catalog year that a student is admitted.
ACT ENGL score 21 or above	76-100, MathA257, Calculus I	Intro to Physics and Engineering	Into Linear Algebra	
SAT Verbal score 501 or above	_____	A120 _____ 1 _____	Math-A200 _____ 3 _____	
Register for ENGL-T122 _____	46-75, MathA118, Pre-Calculus	Intro Mechanics	Calculus II	
ACT ENGL score 20 or below	_____	A101 _____ 4 _____	Math-A258 _____ 4 _____	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.
SAT Verbal score 500 or below	0-45, MathA092, Fundamentals of Algebra	Mechanics Lab	Calculus III	
Register for ENGL-A100 _____	_____ (not counted in final degree credits)	A103 _____ 1 _____	Math-A259 _____ 3 _____	GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative.
<b>LOYOLA CORE - 41 Credits</b>		EM & Relativity	Intro Differential Equations	
<b>FOUNDATION COURSES</b> Crs/Grade		A102 _____ 4 _____	Math-A310 _____ 3 _____	**For students transferring to UNO, EE students take COSC A211 Intro to Programming I; ME students take MATH A350 Diff. Equations; CE students take MATH A260 Statistical Inference for Scientists
First-Year Seminar T121 _____	3 _____	EM Lab	**Adv. Math or Comp. Sci. course approved by advisor	
Engl T122: Critical Reading and Writing _____	3 _____	A104 _____ 1 _____	_____ 3 _____	Loyola Core..... 41 crs Major.....33 crs Adjunct.....20 crs Total .....94 crs
Math A257: Calculus I _____	4 _____	Intro Waves and Quant.	_____ 1 _____	
Scie I: Chem A105/A107 Chemistry I Lec/Lab _____	3+1 4 _____	A240 _____ 4 _____	_____ 3 _____	
	<b>14</b>	Intro Thermal Physics	_____ 1 _____	
<b>KNOWLEDGE/VALUES COURSES</b>		A241 _____ 3 _____	Choose: Chem-A106/108 or Biol-A106/107	
Creative Arts and Cultures _____	3 _____	Classical Mechanics	_____ 3 _____	
First I: T122/Emerging World or T124/Modern* _____	3 _____	A340 _____ 4 _____	_____ 1 _____	
Choice Above determines HIST II course below. Choose opposite periods.		Electricity and Magnetism	_____ 4 _____	
Hist II _____	3 _____	A350 _____ 4 _____	_____ 3 _____	
If T122 taken, take "Modern"; if T124 taken, take "Emerging World."		Adv. Laboratory Physics	_____ 3 _____	
Phil I: Reasoning _____	3 _____	A445 _____ 3 _____	_____ 4 _____	
Phil II: Knowledge & Morality _____	3 _____	Quantum Mechanics	_____ 4 _____	
Rels I: Christian Theology _____	3 _____	A450 _____ 4 _____	_____ 3 _____	
Rels II: World Religions _____	3 _____		_____ 4 _____	
Social Science _____	3 _____		_____ 3 _____	
Sci II: Chem-A106/108 or Biol-A106/107 (fulfilled in adjunct) _____	0 _____		_____ 4 _____	
Writing About Literature _____	3 _____		_____ 3 _____	
	<b>27</b>		_____ 4 _____	
*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.				
*For information about this program, see the Chair of the Department of Physics.				