

Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2020-21

NAME:

B.S. PHYSICS PRE-ENGINEERING - PHYE (CIP: 40.0801)

DATE:

English Composition Placement is: ACT ENGL score 21 or above SAT Verbal score 500 or above Register for ENGL-T122 _____ ACT ENGL score 20 or below SAT Verbal score 499 or below Register for ENGL-A100 _____	Math Placement is: ACT – 25 or above, SAT – 620 or above, or AP Calculus exam - 3 Register for Math A257 _____ ACT 19-24, SAT 500-610, SAT 500-610 or AP Statistics exam – 4 or above Register for Math A118 _____ Otherwise *Register for Math A110 & A111 _____	MAJOR.....33 Crs	ADJUNCT.....20 Crs	NOTES:
<p align="center">LOYOLA CORE - 41 Credits</p>		Intro to Physics and Engineering A120 _____ 1 _____	Into Linear Algebra Math-A200 _____ 3 _____	Loyola Core requirements are governed by the catalog year that a student is admitted.
		Intro Mechanics A101 _____ 4 _____	Calculus II Math-A258 _____ 4 _____	
FOUNDATION COURSES Crs/Grade		Mechanics Lab A103 _____ 1 _____	Calculus III Math-A259 _____ 3 _____	GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative.
First-Year Seminar T121 _____ 3 _____ Engl T122: Critical Reading and Writing _____ 3 _____ Math A257: Calculus I _____ 4 _____ Scie I: Chem A105/A107 Chemistry I Lec/Lab _____ 3+1 4 _____ <p align="right">14</p>	EM & Relativity A102 _____ 4 _____	Intro Differential Equations 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	
KNOWLEDGE/VALUES COURSES		EM Lab A104 _____ 1 _____		**Adv. Math or Comp. Sci. course approved by advisor _____ 3 _____
Creative Arts and Cultures _____ 3 _____ Hist I: (any T# course) _____ 3 _____ Hist II (any Q# course) _____ 3 _____ Phil I: Reasoning _____ 3 _____ Phil II: Knowledge & Morality _____ 3 _____ Rels I: Christian Tradition _____ 3 _____ Rels II: World Religions _____ 3 _____ Social Science _____ 3 _____ Sci II: Chem-A106/108 or Biol-A106/107 (fulfilled in adjunct) 0 _____ Writing About Literature _____ 3 _____ <p align="right">27</p>	Intro Waves and Quant. A240 _____ 4 _____	Choose: Chem-A106/108 or Biol-A106/107 _____ 3 _____ _____ 1 _____	Use your Academic Progress Report (LORA > Student Records Menu > Academic Progress Report) to keep this document updated.	
		Intro Thermal Physics A241 _____ 3 _____		
		Classical Mechanics A340 _____ 4 _____		Loyola Core..... 41 crs Major.....33 crs Adjunct.....20 crs Total94 crs
		Electricity and Magnetism A350 _____ 4 _____		
		Adv. Laboratory Physics A445 _____ 3 _____		
		Quantum Mechanics A450 _____ 4 _____		
<p><i>*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.</i></p> <p><i>*For information about this program, see the Chair of the Department of Physics.</i></p>				