

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

NAME:

B.S. BIOPHYSICS PRE-HEALTH - BPPH (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, or AP Statistics exam – 4 or above Register for Math A118 Otherwise Register for Math A110 & A111	MAJOR.....35 Crs Intro to Physics and Engineering A120 _____ 1 Intro Mechanics A101 _____ 4 Mechanics Lab A103 _____ 1 Intro EM & Relativity A102 _____ 4 EM Lab A104 _____ 1 Intro Waves and Quant. A240 _____ 4 Intro Thermal Physics A241 _____ 3 Classical Mechanics A340 _____ 4 Choose one: Electricity and Magnetism -A350 <i>or</i> Quantum Mechanics - A450 _____ 4 Adv. Laboratory Physics A445 _____ 3 *Choose two Biophysics Electives: _____ 3 _____ 3	ADJUNCT.....35 Crs Into Linear Algebra Math-A200 _____ 3 Calculus II Math-A258 _____ 4 Calculus III Math-A259 _____ 3 Intro Differential Equations Math-A310 _____ 3 Cells & Heredity: Biol-A106 - Lec _____ 3 Biol-A107 - Lab _____ 1 Biol of Organisms: Biol-A108 - Lec _____ 3 Biol-A109 - Lab _____ 1 General Chemistry II: Chem-A106 - Lec _____ 3 Chem-A108 - Lab _____ 1 Organic Chem I Chem-A300 _____ 3 Organic Chem I - Lab Chem-A310 _____ 1 Organic Chem II Chem-A301 _____ 3 Additional Advanced BIOL, CHEM, COSC, MATH or PHYS elective approved by advisor **See sidebar for options -----> _____ 3	NOTES: 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. GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative. Loyola Core requirements are governed by the catalog year that a student is admitted. Use your Academic Progress Report (LORA > Student Records Menu > Academic Progress Report) to keep this document updated. *Biophysics Electives: PHYS A365, A436, or A437 (add'l courses possible in consultation with an advisor) ** Choose From: BIOL A3xx - A4xx, CHEM A3xx - A4xx, COSC A2xx - A4xx, MATH A2xx - A4xx, or PHYS A3xx - A4xx (Any course chosen here must not already be on DPCL)
LOYOLA CORE - 41 Credits				
FOUNDATION COURSES				
First-Year Seminar T121 _____ 3				
Engl T122: Critical Reading and Writing _____ 3				
Math A257: Calculus I _____ 4				
Sci I: Chem-A105/A107, General Chemistry I/Lab _____ 3+1	4			
KNOWLEDGE/VALUES COURSES				
Creative Arts and Cultures _____ 3				
Hist I: (any T# course) _____ 3				
Hist II: (any Q# course) _____ 3				
Phil I: Reasoning _____ 3				
Phil II: Knowledge and Morality _____ 3				
Rels I: Christian Tradition (any S# course) _____ 3				
Rels II: World Religions (any V# course) _____ 3				
Social Science _____ 3				
Sci II: Chem-A106/108 (fulfilled in adjunct) _____ 0				
Writing About Literature _____ 3				
	27			
		Loyola Core.....41 crs	GENERAL ELECTIVE.....9 Crs	
		Major.....35 crs	_____ 3	
		Adjunct35 crs	_____ 3	
		General Elective.....9 crs	_____ 3	
		Total120 crs		