

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

NAME: _____ **B.S. PHYSICS - PHYS (CIP: 40.0801)** **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 _____	ALEKS MATH COURSE PLACEMENT 76-100, MathA257, Calculus I _____ _____ 46-75, MathA118, Pre-Calculus _____ _____ 0-45, MathA092, Fundamentals of Algebra _____ _____ _____ (not counted in final degree credits)	MAJOR.....42 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 _____ Electricity and Magnetism _____ A350 _____ 4 _____ Adv. Laboratory Physics _____ A445 _____ 3 _____ Quantum Mechanics _____ A450 _____ 4 _____ Advanced Physics Elective* _____ _____ 3 _____ Advanced Physics Elective* _____ _____ 3 _____ Advanced Physics Elective* _____ _____ 3 _____ *A300-400 level	ADJUNCT.....20 Crs Into Linear Algebra _____ Math-A200 _____ 3 _____ Calculus II _____ Math-A258 _____ 4 _____ Calculus III _____ Math-A259 _____ 3 _____ General Chem II _____ Chem-A106 (Lec) _____ 3 _____ Chem-A108 (Lab) _____ 1 _____ Intro Differential Equations _____ Math-A310 _____ 3 _____ Adv. Math or Comp. Sci. course approved by advisor _____ 3 _____ GENERAL ELECTIVES.....17 Crs _____ 3 _____ _____ 3 _____ _____ 3 _____ _____ 3 _____ _____ 2 _____ _____ _____ _____ _____	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. Loyola Core.....41 crs Major.....42 crs Adjunct.....20 crs General Elective....17 crs Total.....120 crs
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 _____ _____ 14				
KNOWLEDGE/VALUES COURSES Creative Arts and Cultures _____ 3 _____ Hist I: T122/Emerging World or T124/Modern* _____ 3 _____ *Choice determines Hist II course below Hist II: _____ 3 _____ *If T122 taken above, take HIST Q###; if T124 taken above, take HIST P### Phil I: Reasoning _____ 3 _____ Phil II: Knowledge and Morality _____ 3 _____ Rels I: Christian Theology (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				