

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

**NAME:**

**B.S. BIOPHYSICS PRE-HEALTH - BPPH (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 _____ _____ <i>(not counted in final degree credits)</i>	<p><b>MAJOR.....35 Crs</b></p> 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: Cellular Biophysics - A436 Biomechanics and Neural Control - A365 Intro Neural Networks and Applications - A437 _____ 3 _____ _____ 3 _____ _____ 3 _____ Loyola Core.....41 crs Major.....35 crs Adjunct .....35 crs General Elective.....9 crs Total .....120 crs	<p><b>ADJUNCT.....35 Crs</b></p> 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, or PHYS elective approved by advisor _____ 3 _____ _____ 3 _____ <b>GENERAL ELECTIVE.....9 Crs</b> _____ 3 _____ _____ 3 _____ _____ 3 _____	<p><b>NOTES:</b></p> 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.
<b>LOYOLA CORE - 41 Credits</b>				
<p><b>FOUNDATION COURSES</b></p> 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 _____ <p align="right"><b>14</b></p>				
<p><b>KNOWLEDGE/VALUES COURSES</b></p> 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 _____ <p align="right"><b>27</b></p>				