

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

**NAME:** \_\_\_\_\_ **B.S. COMPUTATIONAL MATHEMATICS - MATC (CIP 27.0303)** **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>	<b>MAJOR.....37 Crs</b> Intro Linear Algebra A200_____3_____  Calculus I A257 (See Core/Foundation)_____0_____  Calculus II A258_____4_____  Calculus III A259_____3_____  Applied Scientific Computing A271_____3_____  Intro Differential Equations A310_____3_____  Math Probability A340_____3_____  Statistics Theory & Methods A341_____3_____  Computational Mathematics A375_____3_____  Advanced Calculus I A410_____3_____  Math Elect* _____3_____ Math Elect* _____3_____  *A300-400 level  Research Project A498_____3_____	<b>ADJUNCT.....11 Crs</b> Intro to Programming I Cosc A211_____3_____  Intro to Programming II Cosc A212_____3_____  Sci II: Phys-A102/A104, Electromag & Rel/Lab_____4/1_____  <b>GENERAL ELECTIVES.....24 Crs</b>  _____ 3_____  _____ 3_____  _____ 3_____  _____ 3_____  _____ 3_____  _____ 3_____	Loyola Core.....42 crs Language.....6 crs Major.....37 crs Adjuncts.....11 crs General Elective.....24 crs Total.....120 crs  Loyola Core requirements are governed by the catalog year that a student is admitted. See Bulletin.  GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola Cumulative.  <b>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.</b>
<b>LOYOLA CORE - 42 Credits</b>				
<b>FOUNDATION COURSES</b>	Crs/Grade			
First-Year Seminar T121 _____	3			
Engl T122: Critical Reading and Writing _____	3			
Math A257: Calculus I _____	4			
Sci I: PhysA101/A103 (Intro Mechanics/Lab) _____	4/1			
	<b>15</b>			
<b>KNOWLEDGE-VALUE COURSES</b>				
Creative Arts and Cultures _____	3			
Hist I: T122/Emerging World or T124/Modern* _____	3			
<i>Choice determines Hist II course below. Choose opposite periods.</i>				
Hist II _____	3			
<i>*If T122 taken above, take HIST-Q###; if T124 above, take HIST-P###</i>				
Phil I: Reasoning _____	3			
Phil II: Knowledge & Morality _____	3			
Rels I: Christian Theology _____	3			
Rels II: World Religions _____	3			
Social Science _____	3			
Sci II: (Fulfilled in Adjuncts) _____	0			
Writing About Literature _____	3			
	<b>27</b>			
<b>LANGUAGE Placement</b> _____				
Placement Course _____	3			
Higher course _____	3			
	<b>6</b>			
LANGUAGE: Choose from Spoken A100, A101, A200, A201, or Classical A100, A101, A250, A251-A499. Language above A201 not required. If placement is A201, take A201 + 3 add'l credits General Elective instead.				