

**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:** \_\_\_\_\_

<b>UHP CURRICULUM: MATC - 40 Credits</b>		<b>MAJOR.....37 Crs</b>	<b>ADJUNCT.....11 Crs</b>	
<b>Honors Core Curriculum</b>	Crs/Grd	Intro Linear Algebra A200_____3____	Intro to Programming I Cosc A211_____3____	
First-Year Seminar H121	3____	Calculus I A257 (See Core/Foundation)_____0____	Intro to Programming II Cosc A212_____3____	
Ignatian Colloquium H193 or H194	1____	Calculus II A258_____4____	Sci II: Phys-A102/A104, Electromag & Rel/Lab_____4/1____	
Social Justice Seminar H396	3____	Calculus III A259_____3____		
Honors Ethics H215 <sup>1</sup> (check off once completed)	<input type="checkbox"/>	Applied Scientific Computing A271_____3____		
<b>Subtotal</b>	<b>7</b>		<b>GENERAL ELECTIVES.....26 Crs</b>	
<b>Foundation Courses</b>				Language- Choose from Spoken A100, A101, A200, A201 or Classical Language A100, A101, A250, A251-A499. Students are not required to take language
Mathematics A257 or H257 Calculus 1	4____			
Physics A101/A103 Intro Mechanics /Lab	4/1____			
<b>Subtotal</b>	<b>9</b>			
<b>Honors Disciplinary Requirements</b>				<b>Thesis work is a dedicated process that spans multiple semesters, and you may be asked to take additional scaffolding courses. Please consult an Honors advisor about what steps are right for you.</b>
History H-level _____	3____	Intro Differential Equations A310_____3____		
Literature H-level _____	3____	Math Probability A340_____3____		
Religious Studies H-level _____	3____	Statistics Theory & Methods A341_____3____		
Philosophy H-level _____	3____	Computational Mathematics A375_____3____		
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3____	Advanced Calculus I A410_____3____		
Religious Studies (H-level or 200+ RELS course)	3____	Math Elect* _____3____		
Philosophy (H-level or PHIL-U/W200+ course)	3____	Math Elect* _____3____		
Creative Arts & Culture (H-level or approved performance course(s))	3____	*A300-400 level		
<b>Subtotal</b>	<b>24</b>	Research Project A498_____3____		
<b>Honors Thesis Sequence</b>				Honors requirements are governed by the catalog year that a student is admitted.
Research Project MATH A498 (3 crs. in the major)	<input type="checkbox"/>			Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola cumulative.
<b>Subtotal</b>	<b>0-5</b>		<b>LANGUAGE.....6 Crs</b>	
			Placement Level	
			Higher Level	
				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.

<sup>1</sup> May be satisfied with an ethics course in the major; if not, an honors ethics course must be used to satisfy at least one Honors Disciplinary Requirement