

**Degree Program Course List (DPCL) of major requirements for students entering Loyola or transferring into the major in 2014-15\***

**NAME:**

**B.S. COMPUTATIONAL MATHEMATICS - MATC DATE:**

UHP CURRICULUM: COMPUTATIONAL MATHEMATICS – 57 Credits			MAJOR ..... 37 Crs.	ADJUNCT ..... 6 Crs.	REQUIREMENTS ACROSS THE CURRICULUM (RAC)
<b>HONORS CORE CURRICULUM</b>			Intro Linear Algebra	Intro to Programming I	<b>Note: <i>Cannot</i> be satisfied with an Intro Comm Curr course</b>
First-Year Seminar H121	Crs. 3	Grade _____	A200 _____ 3 _____	Cosc A211 _____ 3 _____	
Ignatian Colloquium H193 or H194	1	_____	Calculus I	Intro to Programming II	Catholic Tradition _____
Social Justice Seminar H396	3	_____	A257 (see Intro Comm Curr) _____	Cosc A212 _____ 3 _____	Diversity _____
Honors Ethics H215	3	_____	Calculus II	<b>GENERALECTIVES ..... 21 Crs.</b>	
<b>Subtotal</b>	<b>10</b>		A258 _____ 4 _____	_____ 3 _____	Premodern _____
<b>MATH/ NATURAL SCIENCE REQUIREMENTS</b>			Calculus III	_____ 3 _____	<b>Use space for comments or for Minor Check-off.</b>
Mathematics A257 or H257 Calculus I	4	_____	A259 _____ 3 _____	_____ 3 _____	
Physics A101/A103 Intro Mechanics I/Lab	4 + 1	_____	Applied Scientific Computing	_____ 3 _____	
Physics A102/A104 Electromag & Relativity/Lab	4 + 1	_____	A271 _____ 3 _____	_____ 3 _____	
<b>Subtotal</b>	<b>14</b>		Intro Differential Equations	_____ 3 _____	
<b>HONORS DISCIPLINARY REQUIREMENTS* (H295)**</b>			A310 _____ 3 _____	_____ 3 _____	
History _____		_____	Math Probability	_____ 3 _____	
Philosophy _____		_____	A340 _____ 3 _____	_____ 3 _____	
Religious Studies _____		_____	Statistics Theory & Methods	_____ 3 _____	
Literature _____		_____	A341 _____ 3 _____	_____ 3 _____	
Social Science _____		_____	Computational Mathematics		
Creative Arts and Cultures _____		_____	A375 _____ 3 _____		
<b>Subtotal</b>	<b>12</b>		Advanced Calculus I		
<b>ADVANCED HONORS/ACC (H-, ACC, AP courses)</b>			A410 _____ 3 _____		
English _____	3	_____	Math		
History _____	3	_____	Elective* _____ 3 _____		
Philosophy _____	3	_____	Math		
Religious Studies _____	3	_____	Elective* _____ 3 _____		
<b>Subtotal</b>	<b>12</b>		Research Project		
<b>ADDITIONAL REQUIREMENTS (H295, ACC, AP or transfer credits)</b>			A498 _____ 3 _____		
Elective _____	3	_____	*A300-A400 level		
<b>Subtotal</b>	<b>3</b>		<div style="border: 1px solid black; padding: 5px; width: fit-content;">                     Common Curr. .... 50 crs.                      Comm Curr Lang. .... 6 crs.                      Major ..... 37 crs.                      Adjunct ..... 6 crs.                      General Elect. .... 21 crs.  <b>Total ..... 120 Crs.</b> </div>		
<b>LANGUAGE Placement Level</b> _____		_____	<b>Courses used in the major cannot also be used to satisfy requirements for a minor.</b>		
_____	3	_____	GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola cumulative.		
_____	3	_____	Math-A092 will not be used in total credits needed for degree.		
<b>Subtotal</b>	<b>6</b>		<b>*Note: Common Curriculum requirements are governed by the catalog year that a student is admitted.</b>		
<b>HONORS THESIS/CREDITS IN THE MAJOR</b>					
<b>Subtotal</b>	<b>(6)</b>				
*FYS, Social Justice Seminar, and Ethics may fulfill up to 6 crs. (or two disciplines) as determined by the UHP.					
**The UHP reserves the right to determine which discipline an H295 course satisfies due to the inherent interdisciplinary nature of most H295 courses.					