

Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2016-17

NAME:

B.S. COMPUTATIONAL MATHEMATICS - MATC

DATE:

UHP CURRICULUM: MATC - 40 Credits		MAJOR.....37 Crs	ADJUNCT.....11 Crs	
Honors Core Curriculum	Crs/Grd	Intro Linear Algebra	Intro to Programming I	
First-Year Seminar H121	3	A200_____3	Cosc A211_____3	
Ignatian Colloquium H193 or H194	1			
Social Justice Seminar H396	3	Calculus I	Intro to Programming II	
Honors Ethics H215 ¹ (check off once completed)	<input type="checkbox"/>	A257 (See Core/Foundation)_____0	Cosc A212_____3	
Subtotal	7			
Foundation Courses		Calculus II	Sci II: Phys-A102/A104, Electromag &	
Mathematics A257 or H257 Calculus 1	4	A258_____4	Rel/Lab_____4/1	
Physics A101/A103 Intro Mechanics /Lab	4/1	Calculus III	GENERAL ELECTIVES.....26 Crs	
Subtotal	9	A259_____3		Language- Choose from Spoken
Honors Disciplinary Requirements		Applied Scientific Computing		A100, A101, A200, A201 or
History H-level _____	3	A271_____3		Classical Language A100, A101,
Literature H-level _____	3			A250, A251-A499. Students are
Religious Studies H-level _____	3	Intro Differential Equations		not required to take language
Philosophy H-level _____	3	A310_____3		
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3	Math Probability		Thesis work is a dedicated
Religious Studies (H-level or 200+ RELS course)	3	A340_____3		process that spans multiple
Philosophy (H-level or PHIL-U/W200+ course)	3	Statistics Theory & Methods		semesters, and you may be asked
Creative Arts & Culture (H-level or approved performance course(s))	3	A341_____3		to take additional scaffolding
Subtotal	24	Computational Mathematics		courses. Please consult an Honors
Honors Thesis Sequence		A375_____3		advisor about what steps are
Research Project MATH A498 (3 crs. in the major)	<input type="checkbox"/>	Advanced Calculus I		right for you.
		A410_____3		
		Math Elect* _____3		Honors Curriculum.....40 crs
Subtotal	0-5	Math Elect* _____3		Language.....6 crs
		*A300-400 level		Major.....37 crs
		Research Project		Adjuncts.....11 crs
		A498_____3		General Elective.....26 crs
				Total.....120 crs
				Honors Curriculum requirements
				are governed by the catalog year
				that a student is admitted.
				Honors GPA: Must achieve 3.3 in
				Major, Minor (if declared), and
				Loyola cumulative.
				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.

¹ May be satisfied with an ethics course in the major; if not H215 must be used to satisfy at least one Honors Disciplinary Requirement