

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

NAME:

B.S. COMPUTER SCIENCE - CSGP (GAME PROGRAMMING) (CIP 11.0701)

DATE:

UHP CURRICULUM: CGSP - 41 Credits		MAJOR.....44 Crs	ADJUNCT.....6 Crs	**Game Programming Electives
Honors Core Curriculum		Computer Science.....27 Crs	Intro to Linear Algebra	Choose any three: Must choose at least one from each pool.
First-Year Seminar H121	Crs/Grd 3____	Intro to Programming I	MATH A200_____3____	<u>Artistic Pool</u>
Ignatian Colloquium H193 or H194	1____	Cosc A211_____3____	Choose one from the following: MATH A204, Discrete Math Structures MATH A258, Calculus II (3 crs w/1 cr to GE) MATH A260, Statistical Inference MATH A271, Applied Scientific Computing PHIL A206, Intro to Symbolic Logic	Game as Art CMMN X202
Social Justice Seminar H396	3____	Intro to Programming II		Media Play CMMN X237
Honors Ethics H215 ¹ (check off once completed)	<input type="checkbox"/>	Cosc A212_____3____		Interactive Design DSGN M276
Subtotal	7	Object-Oriented Programming	MATH A258, Calculus II (3 crs w/1 cr to GE)	Doing Things w/Videogames ENGLA222
Honors Disciplinary Requirements		Cosc A217_____3____	MATH A260, Statistical Inference	Videogames & Lit ENGL N205
History H-level _____	3____	Intro to Computer Graphics	MATH A271, Applied Scientific Computing	Digital Audio Prod MUGN M225
Literature H-level _____	3____	Cosc A280_____3____	PHIL A206, Intro to Symbolic Logic	(Any one Visual Arts) VISA A***
Religious Studies H-level _____	3____	Computer Organization		<u>Technical Pool</u>
Philosophy H-level _____	3____	Cosc A315_____3____	GENERAL ELECTIVES.....23 Crs	Internet Technologies COSC A319
Mathematics A257 or H257 Calculus I	4____	Data Structures		Artificial Intelligence COSC A405
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3____	Cosc A317_____3____		Computer Graphics COSC A425
		Languages and Paradigms		Computational Math MATH A375
Literature (H-level, ENGL-N200+ course, or AP credit)	3____	Cosc A361_____3____		Classical Mechanics PHYS A340
		Operating Systems		Physics of Sound PHYS Y231
Religious Studies (H-level or 200+ RELS course)	3____	Cosc A365_____3____		(See Bulletin for course descriptions
		Software Engineering		by Subject. See LORA for
Philosophy (H-level or PHIL-U/W200+ course)	3____	Cosc A451_____3____		availability.)
		Game Programming Electives**.....9 crs		
Natural Science (H-level, A101+ science course, or AP credit)	3____			
Creative Arts & Culture (H-level or approved performance course(s))	3____			
Subtotal	34			Honors Curriculum.....41 crs
Honors Thesis Sequence		Practical Experience.....8 Crs		Language.....6 crs
Research Project MATH A498 (3 crs. in the major)	<input type="checkbox"/>	Internship I_____2____		Major.....44 crs
		Internship II_____3____		Adjuncts.....6 crs
		Capstone Special Project_____3____		General Elective.....23 crs
Subtotal	0-5			Total.....120 crs
LANGUAGE Placement _____			Language- Choose from Spoken A100, A101, A200, A201 or Classical Language A100, A101, A250, A251-A499. Students are not required to take language beyond the 201 level.	Honors requirements are governed by the catalog year that a student is admitted.
Placement Course_____	3____			
Higher Course_____	3____			
Subtotal	6		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.	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, an honors ethics course must be used to satisfy at least one Honors Disciplinary		Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola cumulative.		