

Degree Program Course List (DPCL) of major requirements for Honors students entering Loyola in 2020-21: NOT AN OFFICIAL RECORD - FOR ADVISING USE ONLY

NAME:

B.S. COMPUTER SCIENCE - CSEC (CYBERSECURITY) (CIP 11.0701)

DATE:

Honors Curriculum - 41 Credits		MAJOR.....54 Crs	Cyber Security Electives.....9 Crs	*CSEC Electives (choose from:)
Foundation Requirements	Crs/Grd	Computer Science.....27 Crs	CSEC Elective* _____ 3	Ethical Hacking/ Penetration Testing, COSC A341
First-Year Seminar H121	3	Intro to Programming I Cosc A211 _____ 3	CSEC Elective* _____ 3	Internet Technologies, COSC A319
Ignatian Colloquium H193 or H194	1	Intro to Programming II Cosc A212 _____ 3	CSEC Elective* _____ 3	Artificial Intelligence, COSC A405
Social Justice Seminar H396	3	Object-Oriented Programming Cosc A217 _____ 3	Practical Experience.....3 Crs	Machine Learning, COSC A406
Honors Ethics H215* (check off once completed)	<input type="checkbox"/>	Intro to Relational Databases Cosc A270 _____ 3	Internship COSC A497 _____ 3	Database Management, COSC A430
Disciplinary Requirements		Computer Organization Cosc A315 _____ 3	ADJUNCT.....10 Crs	Comm/Network Systems COSC A471
Creative Arts & Culture (H-level or approved performance course)	3	Data Structures Cosc A317 _____ 3	Calculus II Math A258 _____ 4	Any one 200+ FRSC or CRIM
History H-level _____	3	Languages and Paradigms Cosc A361 _____ 3	Statistical Inference Math A260 _____ 3	
History (H-level, HIST-A/Q/P200+ course, or AP credit)	3	Operating Systems Cosc A365 _____ 3	Linear Algebra (A200) or Math 300+ _____ 3	The last 30 credits of the degree must be completed at Loyola N.O.
Literature H-level _____	3	Software Engineering Cosc A451 _____ 3	GENERAL ELECTIVES.....15 Crs	See your Academic Progress Report for your requirements, options, & degree-progress. See the Bulletin for course-descriptions. See LORA for course availability by Semester.
Literature (H-level, ENGL-N200+ course, or AP credit)	3	Cyber Security Core:15 Crs	_____ 3	
Mathematics A257 or H257 Calculus I	4	Introduction to Cybersecurity Cosc A242 _____ 3	_____ 3	Honors Core.....41 crs
Natural Science (H-level, A101+ science course, or AP credit)	3	Computing Ethics Cosc A241 _____ 3	_____ 3	Major.....54 crs
Philosophy H-level _____	3	Corporate Cyber Strategy Cosc A243 _____ 3	_____ 3	Adjuncts.....10 crs
Philosophy (H-level or PHIL-U/W200+ course)	3	Networking COSC A319 or COSC A471 _____ 3	_____ 3	General Elective.....15 crs
Religious Studies H-level _____	3	Cryptography and Applications Cosc A441 _____ 3	_____ 3	Total.....120 crs
Religious Studies (H-level or 200+ RELS course)	3			GPA: Honors must achieve 3.3 in Major, Minor (if declared), and Loyola Cumulative.
Honors Thesis Sequence				Loyola Core requirements are governed by the catalog year that a student is admitted. See Bulletin.
Research Project MATH A498 (3 crs. in the major)	<input type="checkbox"/>			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.
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.				
* 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				