

Degree Program Course List (DPCL) of major requirements for Honors students entering Loyola in 2022-2023

NAME: _____ **B.S. COMPUTER SCIENCE - COSC/COSC.BS.H (CIP 11.0701)** **DATE:** _____

| Honors Curriculum - 41 Credits | | MAJOR.....39 Crs | ADJUNCT.....10 Crs | |
|--|--------------------------|---------------------------------------|---|--|
| Foundation Requirements | Crs/Grd | Computer Science.....36 Crs | Intro to Linear Algebra | |
| First-Year Seminar H121 | 3 _____ | Intro to Programming I | MATH A200 _____ 3 _____ | |
| Ignatian Colloquium H193 or H194 | 1 _____ | Cosc A211 _____ 3 _____ | Calculus II | |
| Social Justice Seminar H396 | 3 _____ | Intro to Programming II | MATH A258 _____ 4 _____ | |
| Honors Ethics H215 ¹ (check off once completed) | <input type="checkbox"/> | Cosc A212 _____ 3 _____ | | |
| Disciplinary Requirements | | Object-Oriented Programming | Choose one from the following: | |
| Creative Arts & Culture (H-level or approved performance course(s)) | 3 _____ | Cosc A217 _____ 3 _____ | MATH A204, Discrete Math Structures | |
| _____ | 3 _____ | Intro to Relational Databases | MATH A260, Statistical Inference | |
| History H-level _____ | 3 _____ | Cosc A270 _____ 3 _____ | MATH A271, Applied Scientific Computing | |
| History (H-level, HIST-A/Q/P200+ course, or AP credit) | 3 _____ | Computer Organization | PHIL A206, Intro to Symbolic Logic | |
| _____ | 3 _____ | Cosc A315 _____ 3 _____ | _____ 3 _____ | |
| Literature H-level _____ | 3 _____ | Data Structures | GENERAL ELECTIVES.....30 Crs | |
| Literature (H-level, ENGL-N200+ course, or AP credit) | 3 _____ | Cosc A317 _____ 3 _____ | _____ 3 _____ | 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. |
| _____ | 3 _____ | Languages and Paradigms | _____ 3 _____ | |
| Mathematics A257 or H257 Calculus I | 4 _____ | Cosc A361 _____ 3 _____ | _____ 3 _____ | Honors GPA: Must achieve 3.3 in Major, Minor (if declared), and Loyola cumulative. |
| Natural Science (H-level, A101+ science course, or AP credit) | 3 _____ | Operating Systems | _____ 3 _____ | |
| _____ | 3 _____ | Cosc A365 _____ 3 _____ | _____ 3 _____ | |
| Philosophy H-level _____ | 3 _____ | Software Engineering | _____ 3 _____ | |
| Philosophy (H-level or PHIL-U/W200+ course) | 3 _____ | Cosc A451 _____ 3 _____ | _____ 3 _____ | |
| _____ | 3 _____ | Cosc Elect* _____ 3 _____ | _____ 3 _____ | |
| Religious Studies H-level _____ | 3 _____ | Cosc Elect* _____ 3 _____ | _____ 3 _____ | |
| Religious Studies (H-level or 200+ RELS course) | 3 _____ | Cosc Elect* _____ 3 _____ | _____ 3 _____ | |
| _____ | 3 _____ | Cosc Elect* _____ 3 _____ | _____ 3 _____ | |
| Honors Thesis Sequence | | Practical Experience.....3 Crs | _____ 3 _____ | Honors Curriculum.....41 crs |
| Research Project COSC A498 (3 crs. in the major) | <input type="checkbox"/> | COSC A497 _____ 3 _____ | _____ 3 _____ | Major.....39 crs |
| 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. | | | _____ 3 _____ | Adjuncts.....10 crs |
| | | | _____ 3 _____ | General Elective.....30 crs |
| | | | _____ 3 _____ | Total.....120 crs |
| | | | _____ 3 _____ | Honors requirements are governed by the catalog year that a student is admitted. |
| | | | _____ 3 _____ | 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 Requirement | | | | |