**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. CHEMISTRY - CHEM (ACS Certified*)** (CIP 40.0501) **DATE:**

## HONORS CURRICULUM - 40 Credits

**Foundation Requirements** Crs/Grd

First-Year Seminar H121 3_____

Ignatian Colloquium H193 or H194 1_____

Social Justice Seminar H396 3_____

Honors Ethics H215* (check off once completed) □

**Disciplinary Requirements**

Creative Arts & Culture (H-level or approved performance course(s))

_____ 3_____

History H-level _____ 3_____

Literature H-level _____ 3_____

History or Literature (H-level, HIST-A/Q/P200+ course, ENGL-N200+ course, or AP credit)

_____ 3_____

Mathematics A257 or H257 Calculus I 4_____

Physics A101/A103 Intro Mechanics/Lab 4/1____

Philosophy H-level _____ 3_____

Philosophy (H-level or PHIL-U/W200+ course)

_____ 3_____

Religious Studies H-level _____ 3_____

Religious Studies (H-level or 200+ RELS course)

_____ 3_____

**Honors Thesis Sequence**

CHEM A498 "Research" (fulfilled in major) □

CHEM A493 "Capstone" (fulfilled in major) □

*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

## MAJOR.....44 Crs

General Chem I & Lab
A105 & A107_____3+1____

General Chem II & Lab
A106 & A108_____3+1____

Organic Chem I
A300_____3____

Organic Chem I - Lab
A310_____1____

Organic Chem II + Synth. & Characterization
A301 & A314_____3+2____

Inorganic Chem I
A350_____3____

Physical Chem I
A306_____3____

Physical Chem II
A307_____3____

Analytical Chemistry Lab
A322_____3____

Adv. Intgr'd Chem Lab or ChemA498/Research
A332_____2____

Biochemistry I
A400_____3____

Instrumental Analysis
A410_____4____

Capstone Presentation
A493_____1____

5 Crs. Chem Electives, A400-499 Crs Grade

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Restricted to max 3 crs CHEM-A486 &/or A498. ***Two credits laboratory (A315, A402, A498)**

## ADJUNCT.....15 Crs

Sci II: PhysA102/A104 (Electromag & Relativity/Lab_____ 4+1____

Calculus II
Math-A258 _____ 4____

Math Elect* _____3____

Sci/Math Elect** _____3____

*Choose from Math-A200 or A310

**Choose from Math, Phys, Biol, or Geol.

## GENERAL ELECTIVES.....21 Crs

_____3____

_____3____

_____3____

_____3____

_____3____

_____3____

_____3____

***American Chemical Society Certified**

**Chemistry Departmental Honors**
**Students must:** 1) Earn 2.5 Cumulative & 3.0 Major GPA, 2) engage in research approved by the department, & 3) complete 4 crs of CHEM-A498 or the equivalent.

**ETS EXAM:** All Majors must pass the ETS CHEM field exam & complete an exit survey in last semester, prior to graduation.
**CHEM-A491, 0 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.

Honors Core.....40 crs
Major.....44 crs
Adjunct.....15 crs
General Elective.....21 crs
Total.....120 crs

Honors Core req's are governed by the catalog year that a student is admitted. See Bulletin &Archives.

Honors GPA: Must achieve 3.3 in Major, Minor (if declared), & 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.