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

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

UHP CURRICULUM: CHEMISTRY - 40 Credits

Honors Core Curriculum	Crs/Grd
First-Year Seminar H121	3_____
Ignatian Colloquium H193 or H194	1_____
Social Justice Seminar H396	3_____
Honors Ethics H215[1] (check off once completed)	☐
Subtotal	**7**
Foundation Courses	
Mathematics A257 or H257 Calculus 1	4_____
Physics A101/A103 Intro Mechanics /Lab	4/1 ____
Subtotal	**9**
Honors Disciplinary Requirements	
History H-level _____	3_____
Literature H-level _____	3_____
Religious Studies H-level _____	3_____
Philosophy H-level _____	3_____
History (H-level, HIST-A/Q/P200+ course, or AP credit) _____	3_____
Religious Studies (H-level or 200+ RELS course) _____	3_____
Philosophy (H-level or PHIL-U/W200+ course) _____	3_____
Creative Arts & Culture (H-level or approved performance course(s)) _____	3_____
Subtotal	**24**
Honors Thesis Sequence	
CHEM A498 "Research" (fulfilled in the major)	☐
CHEM A493 "Capstone" (fulfilled in the major)	☐
_____	_____
Subtotal	**0-5**

LANGUAGE OR COMPUTER PROGRAMMING.....3 Crs

A) Choice of either spoken or classical language at the A101 level. Language above A101 not required for Chem. Majors. If place at A100 level, take A100 & A101. A100 credits will count in Gen. El.

Placement _____/LANG A101_____ 3_____

B) Intro to Programming I & II: COSC A211 is the prerequisite for COSC A212. Credits for COSC A211 will count in General Elective.

COSC A211 (check-off ☐) & COSC A212_____ 3_____

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____

Physical Chemistry Lab I
A308_____1____

Physical Chemistry Lab II
A309_____1____

Integrated Chem Lab I
A320_____3____

Biochemistry I
A400_____3____

Instrumental Analysis
A410_____4____

Capstone Presentation
A493 1

5 Crs. Chem Electives, A400-499 Crs Grade

Restricted to a maximum of 3 credits of CHEM-A486 and/or 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.....18 Crs

_____3____

_____3____

_____3____

_____3____

_____3____

_____3____

[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.

CHEMISTRY DEPARTMENTAL HONORS

Students must: 1) Earn 2.5 Loyola Cum GPA & 3.0 Major GPA, 2) engage in research approved by the dept, & 3) complete 4 credits of CHEM-A498 or the equivalent.

ETS EXAM

All majors must take the ETS CHEM field exam, CHEM-A491, (Pass/Fail) & complete an exit survey in last semester prior to graduation.

CHEM-A491_____0____

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 Curriculum.....40 crs
Language.....3 crs
Major.....44 crs
Adjunct.....15 crs
General Elective.....18 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.