Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2016-17

NAME: **B.S. BIOCHEMISTRY - CHEB (PRE-MED)** **DATE:**

UHP CURRICULUM: CHEB (PRE-MED) - 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 Chemistry Majors. If place at A100 level, take A100 & A101. A100 credits will count in General Elective.

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.....40 Crs

General Chem I
A105_____3____
General Chem I - Lab
A107_____1____
General Chem II
A106_____3____
General Chem II - Lab
A108_____1____
Organic Chem I
A300_____3____
Organic Chem I - Lab
A302 or A305_____2____
Organic Chem II
A301_____3____
Organic Chem II - Lab
A303_____2____
Inorganic Chem I
A350_____3____
Physical Chem I
A306_____3____
Integrated Chem Lab I
A320_____3____
Biochemistry I
A400_____3____
Biochemistry I - Lab
A402_____1____
Biochemistry II
A401_____3____
Capstone Presentation
A493 1

5 Crs Chem Electives A300-400, Crs Grade

ADJUNCT.....20 Crs

Sci II: PhysA102/A104 (Electromag & Relativity/Lab_____ 4+1____
Calculus II
Math-A258 _____4____
Biol Elect _____4____
Biol Elect _____4____
Sci/Math Elect* _____3____
*Choose from Math, Phys, Biol, or Geol.

GENERAL ELECTIVES.....17 Crs

_____3____
_____3____
_____3____
_____3____
_____3____
_____2____

CHEMISTRY DEPARTMENTAL HONORS PROGRAM

Students must:

1) Earn 2.5 Loyola Cum GPA and 3.0 Major GPA, **2)** Engage in research approved by the dept, **3)** Complete 4 credits of CHEM-A498

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.

[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

Honors Curriculum.....40 crs
Language.....3 crs
Major.....40 crs
Adjunct.....20 crs
General Elective.....17 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.