

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

NAME:

B.S. CHEMISTRY - CHEM (ACS Approved)

DATE:

UHP CURRICULUM: CHEMISTRY - 40 Credits		MAJOR.....45 Crs	ADJUNCT.....15 Crs	CHEMISTRY DEPARTMENTAL HONORS PROGRAM						
Honors Core Curriculum		Crs/Grd		Students must:						
First-Year Seminar H121	3	General Chem I & Lab A105 & A107 _____ 3+1	Sci II: PhysA102/A104 (Electromag & Relativity/Lab) _____ 4+1	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						
Ignatian Colloquium H193 or H194	1	General Chem II & Lab A106 & A108 _____ 3+1	Calculus II							
Social Justice Seminar H396	3	Organic Chem I A300 _____ 3	Math-A258 _____ 4							
Honors Ethics H215 ¹ (check off once completed)	<input type="checkbox"/>	Organic Chem I - Lab A302 or A305 _____ 2	Math Elect* _____ 3							
Subtotal	7	Organic Chem II & Lab A301 & A303 _____ 3+2	Sci/Math Elect** _____ 3							
Foundation Courses		Inorganic Chem I A350 _____ 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.						
Mathematics A257 or H257 Calculus 1	4	Physical Chem I A306 _____ 3	*Choose from Math-A200 or A310 **Choose from Math, Phys, Biol, or Geol.							
Physics A101/A103 Intro Mechanics /Lab	4/1	Physical Chem II A307 _____ 3								
Subtotal	9	Integrated Chem Lab I A320 _____ 3	GENERAL ELECTIVES.....17 Crs							
Honors Disciplinary Requirements		Integrated Chem Lab II A330 _____ 2		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.						
History H-level _____	3	Biochemistry I A400 _____ 3								
Literature H-level _____	3	Instrumental Analysis A410 _____ 4								
Religious Studies H-level _____	3	Capstone Presentation A493 _____ 1								
Philosophy H-level _____	3	5 Crs Chem Electives A400-499, Crs Grade								
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)	<input type="checkbox"/>									
CHEM A493 "Capstone" (fulfilled in the major)	<input type="checkbox"/>									
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 <input type="checkbox"/>) & COSC A212 _____	3	Restricted to a maximum of 3 credits of CHEM-A486 and/or A498								
				<table border="1"> <tr> <td>Honors Curriculum.....40 crs</td> </tr> <tr> <td>Language.....3 crs</td> </tr> <tr> <td>Major.....45 crs</td> </tr> <tr> <td>Adjunct.....15 crs</td> </tr> <tr> <td>General Elective.....17 crs</td> </tr> <tr> <td>Total.....120 crs</td> </tr> </table>	Honors Curriculum.....40 crs	Language.....3 crs	Major.....45 crs	Adjunct.....15 crs	General Elective.....17 crs	Total.....120 crs
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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.						