

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

NAME:

B.S. CHEMISTRY, FORENSIC SCIENCE - CHFS (CIP 40.0510)

DATE:

English Composition Placement is: ACT ENGL score 21 or above SAT Verbal score 501 or above Register for ENGL-T122 _____ ACT ENGL score 20 or below SAT Verbal score 500 or below Register for ENGL-A100 _____	ALEKS MATH COURSE PLACEMENT 76-100, MathA257, Calculus I _____ 46-75, MathA118, Pre-Calculus _____ 0-45, MathA092, Fundamentals of Algebra _____ (not counted in final degree credits)	MAJOR.....36 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 A310 _____ 1 Organic Chem II A301 _____ 3 Synthesis & Characterization A314 _____ 2 Integrated Chem Lab I A320 _____ 3 Intro to Forensic Methods A315 _____ 3 Biochemistry I A400 _____ 3 Techniques in Biochemistry A402 _____ 1 Instrumental Analysis A410 _____ 4 Chemistry Seminar For Majors A486 _____ 1 Internship / Research A497 or A498 _____ 3 Capstone Presentation A493 _____ 1	ADJUNCT.....19 Crs Sci II: Phys-A102/A104 (Elec & Rel/Lab) _____ 4+1 _____ Calculus II, MathA258 _____ 4 _____ Math-A260 or Crim-A260 _____ 3 _____ Cells & Heredity: Biol-A106/A107 _____ 3+1 _____ Criminalistic II: Crime Lab Frsc-A201 _____ 3 _____	CONCENTRATION OPTIONS, 13-14 Crs <u>I: Instrumental Analysis (INST)</u> Physical Chemistry I A306 _____ 3 _____ Physical Chemistry II A307 _____ 3 _____ Physical Chem Labs I & II A308 & A309 _____ 1+1 _____ Choose two (2) from the following: Math: A200, A310, A320, A375 _____ 3 _____ _____ 3 _____ 14 <u>II: Biochemistry & Genetics (GENE)</u> Biol of Organisms Biol-A108 - Lec _____ 3 _____ Biol-A109 - Lab _____ 1 _____ Molecular Genetics Biol-A326 - Lec _____ 3 _____ Biol-A327 - Lab _____ 1 _____ Genetic Analysis Biol-A328 - Lec _____ 3 _____ Biochemistry II Chem-A401 - Lec _____ 3 _____ 14 <u>III: Human Mind & Behavior (MIND)</u> Intro to Psychology Psyc-A100 _____ 3 _____ Developmental Psychology Psyc-A230 _____ 3 _____ Take two (2) from the following for 7 crs total (must include a PSYC lec/lab combo) PSYC: A315/316, A322/A323, A415 SOCI: A215, or FRSC: A301, A370 _____ 3/1 _____ _____ 3 _____ 13
LOYOLA CORE - 42 Credits				
FOUNDATION COURSES	Crs/Grade			
First-Year Seminar T121 _____	3 _____			
Engl T122: Critical Reading and Writing _____	3 _____			
Math A257: Calculus I _____	4 _____			
Sci I: Phys-A101/A103 (Intro Mechanics/Lab) _____	4/1 _____			
	15			
KNOWLEDGE-VALUE COURSES				
Creative Arts and Cultures _____	3 _____			
Hist I: T122/Emerging World or T124/Modern* _____	3 _____			
<i>*Choice determines Hist II course below</i>				
Hist II: _____	3 _____			
<i>*If T122 taken above, take HIST-Q###; if T124 above, take HIST-P###</i>				
Phil I: Reasoning _____	3 _____			
Phil II: Knowledge & Morality _____	3 _____			
Rels I: Christian Theology _____	3 _____			
Rels II: World Religions _____	3 _____			
Sci II: (Fulfilled in Adjuncts) _____	0 _____			
Social Science _____	3 _____			
Writing About Literature _____	3 _____			
	27			
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 <input type="checkbox"/>) & COSC A212 _____	3 _____			
GPA: Must achieve 2.0 in Major, Minor if declared), & Loyola cumulative.				
Loyola Core reqs are governed by the catalog year that a student is admitted.				
		GENERAL ELECTIVES.....6-7 Crs		
		CHEMISTRY DEPARTMENTAL HONORS		
		Students must: 1) Earn 2.5 Loyola Cum GPA and 3.0 Major GPA, 2) engage in research approved by dept, & 3) complete 4 crs 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 _____		
		Courses used in major cannot also be used for reqs in a minor: Non-major courses WILL be applied to minors as appropriate.		
		Loyola Core.....42 crs		
		Language.....3 crs		
		Major.....36 crs		
		Adjunct.....19 crs		
		General Elective.....6-7 crs		
		Concentration I, II, or III.....13-14 crs		
		Total.....120 crs		