

Four-Year Model Plan:
Bachelor of Science, Chemistry (ACS)

Fall		Spring	
ENGL 101 College English I	3	ENGL 102 College English II	3
MATH 112 Pre-calculus	5	COMM 111 Public Speaking	3
CHEM 211 General Chemistry I	5	CHEM 212 General Chemistry II	5
General Education Humanities* ¹	3	MATH 242 Calculus I	5
	16		16
Fall		Spring	
CHEM 531 Organic Chemistry I	5	CHEM 532 Organic Chemistry II	5
MATH 243 Calculus II	5	MATH 344 – Calculus III	3
PHYS 313 Physics for Scientist I	4	PHYS 314 Physics for Scientist II & lab	4
Physics 315 Physics lab	1	PHYS 316 Physics lab	1
	15		13
Fall		Spring	
CHEM 514 Inorganic Chemistry	3	CHEM 524 Instrumental Methods	4
CHEM 523 Analytical Chemistry	4	CHEM 546 Physical Chemistry II	3
CHEM 545 Physical Chemistry	3	CHEM 615 Advanced Inorganic Chemistry	3
General Education Social and Behavioral Science*	3	CHEM 616 Advanced Inorganic lab	2
Elective	1	BIOL 210 Biology I	4
	14		16
Fall		Spring	
CHEM 547 Physical Chemistry lab	2	CHEM 663 Biochemistry II## and Professional Elective## or Professional elective#	3 1 (4)
CHEM 661# Intro to Biochem. or CHEM 662 Biochemistry I##	3 3	CHEM 690# Independent Study and Research#	2
General Education Fine Arts	3	Elective	3
General Education Humanities*	3	Upper Division General Education S&B Science	3
General Education Social and Behavioral Science*	3	Upper Division General Education Humanities	3
Elective	1		15
	15		

*Fairmount College of Liberal Arts and Sciences requires all students to complete Literature and either U.S. History or American Politics

¹ All incoming freshman are required to take one First-Year Seminar as part of their General Education program.

Option 1 – Introductory Biochemistry and 4 hours of Professional Electives

##Option 2 – Biochemistry I&II and 1 Professional Elective (Can be 1 hour)