

A Typical Chemistry Major's Schedule

First Year

1st semester		2nd semester	
CHEM 111 Fundamentals I	4	CHEM 112 Fundamentals II	4
MATH 164 Pre-Calculus (Goal 5)*	3	MATH 261 Calc I (Goal 5)*	4
ENGL 150 (Goal 2)	3	Elective	3
History (Goal 7)	3	Social Science (Goal 8)	3
Longwood Seminar (1)	1		
Total Credit Hours	14	Total Credit Hours	14

Second Year

1st semester		2nd semester	
CHEM 350 Quantitative	4	CHEM 270 Inorganic	3
Elective	3	Language (Goal 10)***	3
MATH 262 Calc II	4	Elective	3
PHYS 201 Calc-based I (Goal 6)	4	PHYS 202 Calc-based II**	4
		Phys Ed (Goal 11)	2
Total Credit Hours	15	Total Credit Hours	15

Third Year

1st semester		2nd semester	
CHEM 305 Organic I	3	CHEM 306 Organic II	3
CHEM 307 Org Lab I	1	CHEM 308 Org Lab II	1
CHEM Elective	3	Literature (Goal 3)	3
Elective	3	Elective	3
Art (Goal 4)	3	CHEM 351 Instrumental	3
Elective	3	Elective	3
Total Credit Hours	16	Total Credit Hours	16

Fourth Year

1st semester		2nd semester	
CHEM 324 Thermo	3	CHEM 401 Quantum	3
CHEM 402 Adv. Lab I	2	CHEM 403 Adv. Lab II	2
CHEM 412 Biochem	4	Internship (Goal 14)	1
Diversity (Goal 9)	3	ENGL 400 (Goal 13)	3
Ethics (Goal 12)	3	Elective	3
		Elective	3
Total Credit Hours	15	Total Credit Hours	15

Total Credits = 120

Notes

* Students who take PreCalculus or Calculus are exempt from the general education math goal (Goal 5).

** Students who take University Physics are exempt from the general education science goal (Goal 6).

*** Completion of the general education language goal (Goal 10) frequently requires one or more prerequisite courses, which are best completed in the first or second year.