

Required Curriculum
Chemistry Major, ACS Certified

ACS Certified B.S. in Chemistry		Credits	
First Year		F	S
Chem 150, 151	Principles of Chemistry I, II	3	3
Chem 160, 161	Principles of Chemistry I, II Labs	1	1
Biol 150	General Biology	3	
Comm 110	Fundamentals of Public Speaking		3
Engl. 120	College Composition	3	
Gen. Ed. Electives*	General Education Elective, Wellness		5
Math 165, 166	Calculus I, II	4	4
		14	16
Second Year			
Chem 341, 342	Organic Chemistry I, II	3	3
Chem 353, 354	Organic Chemistry I, II Majors Labs	1	2
Gen. Ed. Electives*	General Education Electives	3	3
Math 128	Introduction to Linear Algebra	1	
Math 259**, 266	Calc III, Intro. To Diff Equations	3	3
Phys 251, 252	University Physics I, II	4	4
Phys 251L, 252L	University Physics Laboratory I, II	1	1
		16	16
Third Year			
Chem 431, 431L	Analytical Chemistry I and Lab	5	
Chem 364, 365	Physical Chemistry I, II	3	3
Chem 380	Chemistry Junior Seminar		1
Chem 471	Physical Chemistry Laboratory		2
Engl 324	Writing in the Sciences	3	
Gen. Ed.	General Education and other electives*	3	9
		14	15
Fourth Year			
Bioc 460, 460L	Found. of Biochem. & Lab	4	
Chem 425, 429	Inorganic Chemistry and Laboratory	5	
Chem 432, 432L	Analytical Chemistry II and Lab		4
Chem 491	Chemistry Senior Seminar		2
Gen. Ed.	General Education and other electives*	6	9
		15	15
SAMPLE CURRICULUM TOTAL			121

*Electives must include 18 credits in humanities and social sciences; six of these must be in humanities/fine arts, and six in social sciences. In addition, three credits must have a global perspective, and three must be in the cultural diversity category.

**MATH 265 may be substituted for MATH 259; substitution form needed.