

Four-Year Course Plan - BS in Chemistry - Major Courses Only

	FALL		SPRING	
YEAR ONE	CHEM 121 Models of Chemical Systems I	5	CHEM 162 Models of Chemical Systems II	5
	BIOL 170 Concepts of Biology	5	MATH 201 Calculus I	4
	Total Major Credits	10	Total Major Credits	9
YEAR TWO	CHEM 201 Introduction to Organic Chemistry	5	CHEM 281 Analytical Chemistry	5
	MATH 202*** Calculus II	4	CHEM 302 Intermediate Organic Chemistry	5
	PHYS 201 Physics I	5	PHYS 203*** Calculus-Based Physics II	5
	Total Major Credits	14	Total Major Credits	15
YEAR THREE	CHEM 271 Principles of Biochemistry	4	CHEM Elective*	4-5
	CHEM 300 Junior Seminar	1	CHEM 321** Inorganic Chemistry <i>OR</i>	
			CHEM 352 Quantum Chemistry & Spectroscopy	5
			CHEM 300 Junior Seminar	0
	Total Major Credits	5	Total Major Credits	9-10
YEAR FOUR			CHEM 321** Inorganic Chemistry <i>OR</i>	
	CHEM 311 Thermodynamics & Kinetics	5	CHEM 352 Quantum Chemistry & Spectroscopy	5
	CHEM 382 Advanced Instrumentation	5	CHEM 400 Senior Seminar	0
	CHEM 400 Senior Seminar	1		
	Total Major Credits	11	Total Major Credits	5

TOTAL MAJOR CREDITS BY GRADUATION 78-79

*4 chem elective credits required for the B.S. from: CHEM 305, 372, or research, independent study, and topics courses, when they can be arranged, also count as chemistry elective for the B.S.

**CHEM 321 and 352 are offered in alternate years

***must be completed by the end of the second year to have necessary prerequisites for third-year courses