

Chemistry B.S. (Bachelor of Science)

FRESHMAN YEAR

Fall Semester 14 Credits

CHEM 1300	General Chemistry I*	4
ENGL 1100	Writing I	3
MATH 1300	Precalculus	4
FYE 1015	First Year Experience	3

* General Chemistry requires a 'passing' score on Advanced Algebra and Functions Accuplacer placement exam OR successful completion of MATH 0500. (Algebraic Preparation) prior to enrollment. To continue as a Chemical major, students must earn a grade of 2.0 or higher in General Chemistry I and II.

Spring Semester 15 Credits

CHEM 1400	General Chemistry II	4
BIOL 1800	General Biology I (SI)	4
ENGL 1200	Writing II	3
MATH 2300	Calculus I (QR)	4

JUNIOR YEAR

Fall Semester 16 Credits

CHEM 3030	Biochemistry I OR	
CHEM 3600	Descriptive Inorganic Chemistry	3
PHYS 2300	General Physics I (PL) OR	
PHYS 2600	Calculus-Based Physics I (PL)	4
	General Education/Exploration	3
	General Education/Exploration	3
	Free Elective	3

Spring Semester 17 Credits

CHEM 3200	Physical Chemistry I	4
PHYS 2400	General Physics II (AIA) OR	
PHYS 2700	Calculus-Based Physics II	4
	General Education/Exploration	3
	General Education/Exploration	3
	Free Elective	3

General Education: Foundation

3 credits Reading and Information Literacy (R and IL): First Year Experience
 3 credits Writing (W): Writing I
 3 credits Writing and Information Literacy (W and IL): Writing II
 3 credits Quantitative Reasoning (QR) (MATH)
 3 credits World Languages, Speaking and Listening (WS)

Suggested 4-year plan of study.

Completion of 120 credits required for graduation.

General Education: Exploration

3 credits Civic Learning (CV)
 3 credits Diverse Perspectives (DP)
 3 credits Ethical Reasoning (ER)
 3 credits Fine Arts Expression and Analysis (FA)
 3 credits Historical Inquiry and Analysis (HI)
 3 credits Literary Inquiry and Analysis (LI)
 3 credits Personal Wellness (PW)
 3 credits Procedural and Logical Thinking (PL)
 3 credits Scientific Inquiry and Analysis (SI)

SOPHOMORE YEAR

Fall Semester 14 Credits

CHEM 2000	Organic Chemistry I	4
MATH 2400	Calculus II (AIA)	4
	General Education (WS)	3
	General Education/Exploration	3

Spring Semester 14 Credits

CHEM 2100	Organic Chemistry II	4
CHEM 2400	General Analytical Chemistry	4
	General Education/Exploration	3
	General Education/Exploration	3

SENIOR YEAR

Fall Semester 15-18 Credits

CHEM 3030	Biochemistry I OR	
CHEM 3600	Descriptive Inorganic Chemistry	3
CHEM ≥3000	Chemistry Elective OR	
CHEM 4900	Independent Study	3-6
	Free Elective	3
	Free Elective	3
	Free Elective	3

Spring Semester 15-16 Credits

CHEM ≥3000	Chemistry Elective	3-4
CHEM 4750	Chemistry Seminar (Capstone) (IHIP)	3
	Free Elective	3
	Free Elective	3
	Free Elective	3

General Education: Integration

9 credits AIA (3 of which must be Integrative High Impact Practice - IHIP)

OR

Minor (professional majors completing a minor or second major must include at least 9 credits in LA&S disciplines for that minor)

General Education: MAJ

There may be major courses that have been approved to fulfill up to 3 General Education requirements (at least 9 credits). Varies by major and concentration.