

Chemistry (BS)

The following course sequence sheet is for illustrative purposes only and should not be construed as formal academic advisement. Course selections and sequence may vary depending on course availability and counsel from your academic adviser. You should consult an academic adviser before developing an actual academic plan.

Cr.	First Semester	Cr.	Second Semester
4	CHEM.115 Chemistry for Sciences I	4	CHEM.116 Chemistry for Science II
3	CHEM.125 Calculus I or MATH.113 Pre-Calculus (if required based on testing)	3	CHEM.126 Calculus II or MATH.125 Calculus I (if MATH.113 was required)
3	ENGLISH.101 Composition I or General Education Group B (Social Sciences)	3	General Education Group B (Social Sciences) or ENGLISH.101 Composition I
3	PHIL.270 Logic (Recommended GenEd Group A)	3	General Education Group A (Humanities)
1	INTSTUDY.100 Optional University Seminar		
14	Total Semester Credits	13	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
4	CHEM.231 Organic Chemistry I	4	CHEM.232 Organic Chemistry II
3	MATH.225 Calculus III or MATH.126 Calculus II (if MATH.113 was required)	3	General Education Group A (Humanities) or MATH.225 Calculus III (if MATH.113 was required)
4	PHYSICS.211 General Physics I	3	CHEM.251 Inorganic Chemistry
3	2nd Level Writing Course	4	PHYSICS.212 General Physics II
3	General Education Group B (Social Sciences)	1	CHEM.281 Introduction to Scientific Literature
17	Total Semester Credits	15	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
3	CHEM.321 Analytical Chemistry I	4	MATH.322 Instrumental Analytical Chemistry
4	CHEM.361 Physical Chemistry I	4	CHEM.362 Physical Chemistry II
3	General Education Communications	3	General Education Group A (Humanities)
3	General Education Group B (Social Sciences)	3	General Education Group B (Social Sciences)
3	Free Elective or Gen Ed Group A (if MATH.113 was required)	1	General Education Fitness/Recreation Skills
16	Total Semester Credits	15	Total Semester Credits
Cr.	Seventh Semester	Cr.	Eighth Semester
4	CHEM.452 Advanced Inorganic Chemistry	3	300-400 level Chemistry Elective
1	CHEM.492 Chemical Research I	3	CHEM.492 Chemical Research II
3	General Ed. Values, Ethics, Decision-Making	4	CHEM.341 Biochemistry I

3	Free Elective	3	Free Elective
2	Free Elective	3	Free Elective
1	General Education Fitness/Recreation Skills		
14	Total Semester Credits	16	Total Semester Credits
TOTAL CREDITS: 120			

IMPORTANT NOTES:

The sequence of General Education courses is an example only; they may be taken in any order.

The number of free electives may vary depending on pre-requisite requirements and course choices.

For example, if one communications or values course is also counted as a group A or B, as allowed by General Education Policy, then take one additional Free Elective course.

Two of the courses selected for the Major, General Education or Free Elective must also qualify as Diversity courses. See list of Diversity Courses and consult advisor.