

Chemistry (BS) (Biochemistry Option)

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	MATH.113 Pre-Calculus (if required based on testing)	3	MATH.125 Calculus I
3	Group A (Humanities, PHIL.270 Logic) 1 of 4	3	ENGLISH.101 Composition I
3	Communications Course (COMMSTUD.103 Public Speaking)	3	Group B (Social Sciences) 2 of 4
1	INTSTUDY.100 Optional University Seminar	4	BIOLOGY.271 Cell Biology
3	Group B (Social Sciences) 1 of 4/Diversity 1 of 2		
17	Total Semester Credits	17	Total Semester Credits
Cr.	Third Semester	Cr.	Fourth Semester
4	CHEM.231 Organic Chemistry I	4	CHEM.232 Organic Chemistry II
3	CHEM.126 Calculus II	3	CHEM.251 Inorganic Chemistry
4	PHYSICS.211 General Physics I	1	CHEM.281 Introduction to Scientific Literature
3	Group A (Humanities) 2 of 4/Diversity 2 of 2	4	PHYSICS.212 General Physics II
3	INTSTUDY.231 Technical Writing	3	MATH.225 Calculus 3
17	Total Semester Credits	15	Total Semester Credits
Cr.	Fifth Semester	Cr.	Sixth Semester
4	CHEM.341 Biochemistry I	4	CHEM.442 Biochemistry II
4	CHEM.361 Physical Chemistry I	3	Chemistry Elective 1 of 2
1	Fitness 1 of 2	1	Fitness 2 of 2
3	Biology Elective	4	BIOLOGY.242 Biology of Microorganisms
3	Group B (Social Sciences) 3 of 4	3	Group A (Humanities) 3 of 4
15	Total Semester Credits	15	Total Semester Credits
Cr.	Seventh Semester	Cr.	Eighth Semester
3	CHEM.321 Analytical Chemistry I	3	Free Elective
4	Chemistry Elective 2 of 2	3	Group A (Humanities) 4 of 4
3	Free Elective	3	Values, Ethic and Decision Making
3	Free Elective		
3	Group B (Social Sciences) 4 of 4		
16	Total Semester Credits	9	Total Semester Credits

TOTAL CREDITS: 121

Excluding Seminar 120

All students must fulfill the General Education Requirements as outlined in university policy.

Humanity, Social Sciences, Communication, Diversity, Values/Eth/Resp. electives may be interchanged with respect to when taken.

Optimizing Opportunities for the Chemistry Major that is Pre-Graduate School:

1. If you are considering or have decided to follow this path, inform your advisor.
2. Be an active member of the Chem Club.
3. Strong writing skills are required to write entrance essays. Never pass-up an opportunity to write!
4. Being well-read is important for good performance on the GRE. Read Time, Newsweek, etc. frequently.
5. Make a strong effort in research.

Example "outside-the-box" courses that provide reading, writing, and vocabulary-building opportunities: (and serve as Group A or Group B or electives)

ENGLISH.152 Literature and Society

ENGLISH.204 Intro. Creative Writing

ENGLISH.212 Pract. Grammar and Usage

MASSCOMM.110 Mass Comm and Pop Arts

PHIL.297 Ethics LAW.407 International Legal Environment

SOC.211 Principles of Sociology

SOC.213 Contemporary Social Problems

SOC.231 Marriage and Family

SOC.101 Intro. Exceptional Individuals