

Chemistry B.S. (ACS)

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 Found of College Writing or General Education Course | 3 | General Education Course or ENGLISH.101 Found of College Writing |
| 3 | PHIL.270 Logic | 3 | General Education Course |
| 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 Course 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 Course | 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 Course | 3 | General Education Course |
| 3 | General Education Course | 3 | General Education Course |
| 3 | Free Elective or General Education Course | 1 | General Education Course |
| 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 |

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|----|--------------------------|----|-------------------------|
| 3 | General Education Course | 4 | CHEM.341 Biochemistry I |
| 3 | Free Elective | 3 | Free Elective |
| 2 | Free Elective | 3 | Free Elective |
| 1 | General Education Course | | |
| 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.