BIOCHEMISTRY - MINOR

Minors are offered in chemistry and in biochemistry. Declaration of a biochemistry minor is open to any student enrolled at CU Boulder, regardless of college or school.

Requirements

The College of Arts and Sciences will allow a maximum of 9 hours of transfer credit, including 6 upper-division credit hours to count toward a minor. Students may transfer courses through organic chemistry only. All courses required for the minor must be completed with a grade of C- or better, and the overall GPA in all CHEM courses taken must be a 2.00.

Students who have taken CHEN 1211 and CHEM 1221 may substitute them for CHEM 1113. Engineering students who have taken CHEN 4521 may NOT use this to satisfy the physical chemistry requirement.

Select one of the following two options: 5-10

**Option 1:**
- CHEM 1113 General Chemistry 1
- & CHEM 1114 and Laboratory in General Chemistry 1
- CHEM 1133 General Chemistry 2
- & CHEM 1134 and Laboratory in General Chemistry 2

**Option 2:**
- CHEM 1400 Foundations of Chemistry
- & CHEM 1401 and Foundations of Chemistry Lab

Select one of the following three options: 10-12

**Option 1:**
- CHEM 3311 Organic Chemistry 1
- & CHEM 3321 and Laboratory in Organic Chemistry 1
- CHEM 3331 Organic Chemistry 2
- & CHEM 3341 and Laboratory in Organic Chemistry 2

**Option 2:**
- CHEM 3451 Organic Chemistry for Chemistry and Biochemistry Majors (and CHEM 3321 or CHEM 3361)
- CHEM 3471 Organic Chemistry 2 for Chemistry Majors (and CHEM 3341 or CHEM 3381)

**Option 3:**
- CHEM 3451 Organic Chemistry for Chemistry and Biochemistry Majors (and CHEM 3321 or CHEM 3361)
- CHEM 3491 Organic Chemistry 2 for Biochemistry Majors (and CHEM 3341 or CHEM 3381)

Select one of the following: 3-4
- CHEM 4400 Core Concepts in Physical Chemistry for Biochemists
- CHEM 4511 Physical Chemistry 1

Select one of the following: 3-8
- CHEM 4611 Survey of Biochemistry
- CHEM 4700 Foundations of Biochemistry
- & CHEM 4720 and Metabolic Pathways and Human Disease
- CHEM 4700 Foundations of Biochemistry
- & CHEM 4740 and Biochemistry of Gene Transmission, Expression and Regulation

Total Credit Hours 21-34