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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>CHEM 1113 &amp; CHEM 1114</td>
<td>General Chemistry 1 and Laboratory in General Chemistry 1</td>
<td>5-10</td>
</tr>
<tr>
<td>CHEM 1133 &amp; CHEM 1134</td>
<td>General Chemistry 2 and Laboratory in General Chemistry 2</td>
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<tr>
<td>CHEM 1400 &amp; CHEM 1401</td>
<td>Foundations of Chemistry and Foundations of Chemistry Lab</td>
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**General Chemistry**

Select one of the following two options: 5-10

**Organic Chemistry 1**

Lecture

CHEM 3311 Organic Chemistry 1
or CHEM 3450 Organic Chemistry for Chemistry and Biochemistry Majors

Lab

CHEM 3321 Laboratory in Organic Chemistry 1
or CHEM 336 Laboratory in Organic Chemistry 1 for Chemistry Majors

**Organic Chemistry 2**

Lecture

CHEM 3331 Organic Chemistry 2
or CHEM 3450 Organic Chemistry 2 for Chemistry Majors
or CHEM 3450 Organic Chemistry 2 for Biochemistry Majors

Lab

CHEM 3341 Laboratory in Organic Chemistry 2
or CHEM 336 Laboratory in Organic Chemistry 2 for Chemistry Majors

**Physical Chemistry**

Select one of the following: 3-4

CHEM 4400 Core Concepts in Physical Chemistry for Biochemists
CHEM 4511 Physical Chemistry 1

Biochemistry