

# BIOCHEMISTRY CONCENTRATION

The Departments of Biology and Chemistry jointly offer a concentration that focuses on the study of the chemistry underlying biological structure and function. Concentrators must be enrolled as either biology or chemistry majors.

## Requirements

**Code Title**

### Requirements for Chemistry Majors

BIOL 161	Introduction to Cell & Molecular Biology
CHEM 181	Atoms & Molecules
CHEM 221	Organic Chemistry 1
CHEM 222	Organic Chemistry 2
CHEM 231	Equilibrium & Reactivity
CHEM 301	Biochemistry
or BIOL 301	Biochemistry 1
BIOL 303	Biochemistry 1 Lab
BIOL 302	Biochemistry 2
BIOL 304	Biochemistry 2 Lab

One additional upper-division, biochemistry-oriented biology course with an associated laboratory, as part of the usual courses required of their major.

### Requirements for Biology Majors

BIOL 161	Introduction to Cell & Molecular Biology
CHEM 181	Atoms & Molecules
CHEM 221	Organic Chemistry 1
CHEM 222	Organic Chemistry 2
CHEM 231	Equilibrium & Reactivity
BIOL 301	Biochemistry 1
or CHEM 301	Biochemistry
BIOL 303	Biochemistry 1 Lab
BIOL 302	Biochemistry 2
BIOL 304	Biochemistry 2 Lab
PHYS 115	Introductory Physics 1: Mechanics, Fluids and Waves

One additional upper-division, biochemistry-oriented biology course with an associated laboratory, as part of the usual courses required of their major.

One additional 300-level course in Chemistry - CHEM 300, 335, 336, 351, 364, 381, or a course approved by the Concentration Director.

Concentrators must also complete a two-semester thesis project in their fourth year involving research on some aspect of biochemistry. Admission to the concentration is competitive and occurs in the second semester of the second year. Interested students should contact the Concentration Coordinator or the chair of either department.