

Biochemistry

Major

The Biochemistry major consists of eleven courses (40 credit hours), three electives (12 credit hours), and two corequisites (8 credit hours). The major is designed to allow students the flexibility to pursue individual interests as they prepare for their post-college careers.

*Students majoring in Biology and Biochemistry may only count BI 110, 207, and 307 towards both majors. Students majoring in Chemistry and Biochemistry may only count CH 110, 203, 304, and 211 towards both majors. Students majoring in Biology, Chemistry, and Biochemistry may only count BI 110, 207, 307, CH 110, 203, 304, and 211 towards the three majors. Due to significant course overlap, students majoring in Biochemistry are ineligible for a minor in either Biology or Chemistry.

Core Courses

Item #	Title	Credits
BI 110	Biological Investigation	4.0
BI 207	Molecular Genetics	4.0
BI 307	Cell and Molecular Biology	4.0
CH 110	General Chemistry	4.0
CH 203	Organic Chemistry I	4.0
CH 211	Quantitative Analysis	4.0
CH 304	Organic Chemistry II	4.0
CH 309	Biochemistry I	4.0
CH 410	Biochemistry II	4.0
CH 441	Senior Seminar I	2.0
CH 442	Senior Seminar II	2.0
	Sub-Total Credits	40

Electives

At least three selected from:

Item #	Title	Credits
BI 306	Developmental Biology	4.0
BI 310	Immunology	4.0
BI 311	Virology	4.0
BI 345	Principles of Microbiology	4.0
CH 231	Inorganic Chemistry	4.0
CH 314	Instrumental Methods: Forensics	4.0
CH 327	Medicinal Chemistry	4.0
CH 332	Advanced Inorganic Chemistry	4.0
	Sub-Total Credits	12

Required Corequisites

Item #	Title	Credits
	PY 181 or PY 201	4.0

General Physics I or College Physics I

PY 181	General Physics I	4.0
PY 201	College Physics I	4.0
	Sub-Total Credits	8
	PY 182 or PY 202	4.0

General Physics II or College Physics II

PY 182	General Physics II	4.0
PY 202	College Physics II	4.0
	Sub-Total Credits	8
	Sub-Total Credits	8
	Total Credits	60