

Minor in Biochemistry

About the Minor

This program provides a solid grounding in the principles and applications of biochemistry for students interested in exploring in more depth the chemistry of living organisms. Offered jointly by the Departments of Chemistry and Biology, the minor in Biochemistry consists of a set of regularly offered courses in the two departments. The program efficiently complements degree requirements for students majoring in the natural sciences, engineering and the health sciences. It is highly recommended to students interested in pursuing a career in biology, chemistry, biomedical engineering, nanotechnology, material sciences, medicine, pharmaceuticals or chemical biology. The minor must accompany another major program.

Admission Requirements

Students must be enrolled in another major program to be eligible for this minor.

Program Requirements

Required Courses:

BIO 211	Cell, Molecular & Developmental Biology II	4.0
or BIO 214	Principles of Cell Biology	
BIO 306	Biochemistry Laboratory	2.0
BIO 311	Biochemistry	4.0
CHEM 242	Organic Chemistry II	4.0
CHEM 243	Organic Chemistry III	3.0

Elective Courses: *

BIO 209	Cell, Molecular & Developmental Biology I	
or BIO 218	Principles of Molecular Biology	
BIO 314	Pharmacology	
BIO 331	Bioinformatics I	
BIO 332	Bioinformatics II	
BIO 404	Structure and Function of Biomolecules	
BIO 416	Biochemistry of Major Diseases	
BIO 453	Protein Dysfunction in Disease	
CHEM 244	Organic Chemistry Laboratory I	
CHEM 245	Organic Chemistry Laboratory II	
CHEM 371	Chemistry of Biomolecules	
CHEM 375	The Chemistry Behind Drugs: Fundamentals of Medicinal Chemistry	

Total Credits **26.0**

* Students must take at least one BIO and one CHEM elective to complete the minor.