

BIOCHEMISTRY MAJOR

Overview

Biochemistry is a highly interdisciplinary science that focuses on the study of the chemistry of living systems and understanding their structure and function at the molecular level. In particular, biochemistry lays the foundation for deciphering the mechanisms involved in many diseases that plague the world. Students will learn how biomolecules such as proteins, nucleic acids, fats, lipids, and carbohydrates interact in biological processes, and how structures of these biomolecules relate to function and regulation of metabolic pathways in cells, tissues, and organisms as a whole.

The biochemistry major will prepare students to be the next generation of scientists with a broad range of career options in biotechnology, molecular and cellular biochemistry, medicine, bioengineering, and pharmacology, as well as in allied health fields, including clinical biochemistry, forensic science, the physician associate profession, cosmetics, food technology, and nursing.

The program will also lay a foundation for students to compete for positions in top graduate programs and professional schools in medicine, biomedical engineering, and biomedical sciences.

CIP Code

26.0202 - Biochemistry.

You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.