

CHEMISTRY AND BIOCHEMISTRY

University of Northern Iowa College of Humanities, Arts & Sciences

<https://chemistry.uni.edu/>

About The Major

Chemistry is the study of matter and change. It is a broader category of science encompassing all forms of matter composition and structure.

Biochemistry, on the other hand, is a more specific discipline that studies the chemistry of life - how life works at the molecular level, what kinds of chemical reactions occur in cells, and how these reactions give an organism its observed characteristics.

Sample Course Work

General Chemistry I & II

Organic Chemistry

Physical Chemistry I & II

Biochemistry I & II

Descriptive Inorganic Chemistry

Genetics

Possible Careers

*Some titles may require further education

Dentist

Quality Assurance

Chemical Engineer

Forensic Scientist

Researcher

Analytical Scientist

Patent Law

Technical Sales

Nursing

Pharmacist

Veterinarian

Pharmaceutical Sales

UNI Graduates: Where Are They Now?

- University of Northern Iowa
- University of Iowa
- Cambrex
- DuPont Pioneer
- Integrated DNA Technologies
- Cargill
- University of Iowa Healthcare
- Thermo Fisher Scientific
- USDA
- AbbVie
- PPD
- Garratt-Callahan Company
- Eurofins
- Hach
- Albany Molecular Research Inc.
- Analytical Chemistry & Media

Skills Needed

- Patience
- Flexibility
- Numerical Skills
- Advanced Attention to Detail and Accuracy
- Written and Oral communication
- Data Analysis
- Research Skills
- Information Technology Skills