

# BIOCHEMISTRY

Utilize knowledge from all sciences and mathematics to understand how living systems function.



Clarke allows me to pick more than one area of focus. If I want to study English and biochemistry, I can do that, and Clarke will help me.

**JOSH PRINDLE**  
Biochemistry & English '18

## FACILITIES

Clarke's 46,000-square-foot, three-story science building, the Marie Miske Center for Science Inquiry, provides flexible and modern spaces designed to seamlessly integrate lecture and laboratory. Clarke offers a medical-school quality gross anatomy laboratory and research-grade chemical instruments.

## THE LOWDOWN

Professionals in this field are interested in:

- The molecular changes that occur within organisms.
- The conversion of food to cellular components.
- The provision of energy to drive bodily processes.
- The chemical nature of genes and the way in which these specify and control biological processes.

Biochemistry is the study of life at the molecular level. Modern developments in health sciences rely on understanding the biochemical principles that govern life. Clarke's biochemistry major is designed to help you make links between molecular design of life and human health and nutrition. You will be equipped to pursue careers in medicine, pharmaceuticals, and graduate research, among others.

## COOL, BUT WHY CLARKE?

At Clarke, you will:

- Use state-of-the-art instruments, not just watch others use them.
- Collect, analyze, visualize, and present chemical information to match professional standards.
- Present your undergraduate research work at regional and local conferences.
- Collaborate with students in other disciplines to explore the boundaries of science.



**100%**

Percent of Clarke biochemistry graduates who secured a job in their chosen field or enrolled in graduate school by August.



**11%**

The biochemistry workforce will grow 11% by 2026, according to the U.S. Bureau of Labor Statistics.



**85.2%**

Chemistry majors rate among the highest in job satisfaction after graduation according to studentsreview.com.

**ADMISSIONS OFFICE**  
(563)588-6316  
admissions@clarke.edu



## COOL CLASSES

**METABOLISM** — Deepen your understanding of metabolic, biosynthetic, and degradation pathways.

**BIOCHEMICAL METHODS** — You will learn and practice multiple biochemical techniques, isolate and purify a protein from a living source such as beef heart.

**MEDICINAL CHEMISTRY** — You'll gain insight into the chemistry of pharmaceuticals with in-depth explanation on the molecular mechanisms of drug action.

## WHAT ABOUT THE FUTURE?

A major in biochemistry provides the foundation for many biomedical paths:

- Medical school
- Dental school
- Pharmacy school
- Pharmaceutical research
- Biomedical research
- Food and nutrition research and development
- Patent law
- Industry jobs in food, healthcare, and chemical fields



**LEARN MORE!**

[clarke.edu/academics/biochemistry](http://clarke.edu/academics/biochemistry)



**Clarke**

UNIVERSITY