

# BIOCHEMISTRY



## CAREER OPPORTUNITIES

Acquire a broad knowledge of life sciences through a combination of biology, chemistry and genetic coursework while earning your biochemistry degree from the University of Missouri College of Agriculture, Food and Natural Resources. This degree will prepare you for a variety of careers, including:

- + **MEDICINE.** Your biochemistry degree provides excellent preparation for the intellectual demands of the medical profession.
- + **BIOTECHNOLOGY.** Some of the nation's largest and most respected biotechnology companies employ biochemists in a wide range of specialties.
- + **AGRICULTURE.** Biochemists find employment with agricultural industry companies.
- + **GOVERNMENT.** State and federal agencies employ biochemists in many fields.



Use your imagination, ingenuity and understanding of the basics of living processes to unlock life's mysteries and improve the quality of life. Combine the tools of biology, chemistry and genetics to fight human disease, increase production and quality of food, and protect the environment.



## INTERNSHIPS & EMPLOYMENT

EAG Laboratories • Benson Hill Biosystems • Cerner • Corteva • Elemental Enzymes • KCAS Bioanalytical & Biomarker Services • Midwest Laboratories • ThermoFisher Scientific • University of Missouri • Ortho Clinical Diagnostics • Aerotek • Thompson Center for Autism & Neurodevelopment Disorders • Epic • Pfizer • Sigma-Aldrich

### Career Possibilities Include

- + Physician
- + Dentist
- + Pharmacist
- + Genetic Counseling
- + Pharmaceutical Sales
- + Research Development
- + Patent/Intellectual Property Consulting
- + Product Development
- + Laboratory Research
- + FBI Forensic Science

## HANDS-ON LEARNING

As a biochemistry student, your chances to gain hands-on experience through research and internships are almost limitless.

**+ UNDERGRAD RESEARCH.** You can work side-by-side in the laboratory with biochemistry faculty on research in gene function and regulation, photosynthesis, cancer and recombinant DNA. Experience working with over 35 research groups is available to students at every level.

The department shares faculty with four colleges across campus, allowing students to gain research experience in a wide variety of areas.

**+ INTERNSHIPS.** Internships that provide you with real-world work experience also are available. Work for a crop protection company, a pharmaceutical or health sciences company, or create analytical reports of chemical disasters and effects for a government agency.



# 2 OUT OF 3

2018-19 biochem graduates  
who applied were accepted  
into medical or dental school

## CLASSES YOU WOULD TAKE:

- General Genetics
- Organic Chemistry
- Macromolecular Techniques
- Analytic Geometry and Calculus
- Physical Chemistry of Biological Systems

*See [catalog.missouri.edu](http://catalog.missouri.edu) for full curriculum.*

## SIGNATURE EXPERIENCE

One of the many unique experiences available for biochemistry students is participating in an industry tour specific to the degree program. The Biochemistry Industry Tour involves visiting life sciences companies, laboratories and more!

## GET IN TOUCH!

*Schedule a campus visit*

### CAFNR RECRUITMENT

**Phone (toll free):**  
888-682-2367

**Email:**  
[visitcafnr@missouri.edu](mailto:visitcafnr@missouri.edu)

**Web:**  
[cafnr.missouri.edu](http://cafnr.missouri.edu)

*Ask questions about dual enrollment/transfers*

### CAFNR ADVISING

**Phone:**  
573-882-8301

**Email:**  
[cafnradvising@missouri.edu](mailto:cafnradvising@missouri.edu)

**Check equivalency online:**  
[admissions.missouri.edu](http://admissions.missouri.edu)

*Learn more about the University of Missouri*

### MU OFFICE OF ADMISSIONS

**Phone:**  
573-882-7786

**Email:**  
[askmizzou@missouri.edu](mailto:askmizzou@missouri.edu)

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College of Agriculture,  
Food & Natural Resources  
University of Missouri



[cafnr.missouri.edu](http://cafnr.missouri.edu)