Experiential Major Menu

This menu is a tool for you to explore opportunities at Mines outside of the classroom. These are not requirements, but rather recommendations to help you leverage what Mines has to offer. Just like at a restaurant, choose what looks best to you and start from there! This menu can help you create your own pathway and customize your experience during your time at Mines.

The activities are placed in specific years based on staff and faculty recommendations, but you can participate in most of them at any time. There is never a wrong time to get involved if you’re looking, and no pressure to do any of these things!

Get to know Biochemistry

The biochemistry degree program at Mines is designed to prepare students for careers in the growing biotechnology industry (including medical devices and pharmaceuticals) or for those who desire to continue education in medical-based professional or graduate schools in bio-related disciplines (e.g., biochemistry, biotechnology, molecular biology). The Mines biochemistry degree is uniquely focused on analytics, gene editing and microbiology.

This degree promotes a fundamental understanding of the fusion of chemistry and biology and an application toward technological problems. Professional biochemists apply their knowledge in many different areas ranging from environmental processes to development of new biomaterials and renewable energy. They work in academic environments, high-tech start-ups, and research and development laboratories associated with practically every advanced technological field including medicine, energy, biotechnology, computing, and agriculture.

Get Involved

Attend Celebration of Mines in August to get to know campus organizations and academic departments, sample food, and play games. Below are some departments that offer many great opportunities to enhance your experience here at Mines.

- Student Activities, Involvement & Leadership
- University Honors and Scholars Program
- Every Oredigger

Academic options in Biochemistry

Explore the options below to see how to expand upon a Biochemistry degree and what to expect from the course load.

- Minors
  - Biomedical Engineering
  - Environmental Engineering
  - Geology/Geological Engineering
  - Metallurgical and Materials Engineering
  - Petroleum Engineering
  - Physics
  - McBride Honors Program
  - Teaching

- 4+1 Programs

- Academic Flow Chart
- Academic Catalog

"Being able to receive a degree in Biochemistry while still experiencing the benefits of an engineering college has helped me to realize what opportunities are out there."

Ayden Marler