CHEMISTRY, PH.D.

The Department of Chemistry and Biochemistry offers programs leading to the Ph.D. degree, with concentrations in analytical, biological, inorganic, organic, and physical chemistry. The Ph.D. program is flexible and is designed to maximize research opportunities and to encourage interdisciplinary research. Master of Science degrees in the same areas of concentration are awarded. The Master of Arts in Teaching in Science (Chemistry and Biochemistry Option) and the Interdisciplinary Master of Arts in Science (Chemistry and Biochemistry Option) are offered in cooperation with the College of Education.

On average, the Ph.D. degree is earned in less than five years. Thirty tenure-track and research faculty teach and supervise the research of the department's approximately 130 graduate students and 30 postdoctoral fellows. Each year, around 30 new students are added to the program. Generally, 15-20 Ph.D. and four M.S. degrees are awarded per year.

The Ph.D. and M.S. degree programs prepare students for careers in industry, government, and academic settings.

Learning Outcomes

1. Doctoral students in Chemistry will identify and conduct original research.
2. Doctoral students in Chemistry will effectively communicate in their field of study through oral and written components.
3. Doctoral students in Chemistry will critically and creatively solve problems in their field of study.
4. Doctoral students in Chemistry will conduct ethical research in a responsible manner.
5. Doctoral students in Chemistry will demonstrate attributes of professional development consistent with expectations within their field of study.