

Chemistry, B.A./B.S.

Mission Statement

The mission of the Chemistry Department is to offer outstanding programs and coursework for students in chemistry and other disciplines, by providing individualized instruction, hands-on laboratory experience, and research opportunities. The faculty is committed to quality teaching, research and service; cooperation with other departments in undergraduate and graduate interdisciplinary programs; collaboration with local industry; and the support of science education.

Student Learning Outcomes

UWF Chemistry BA/BS graduates should be able to do the following:

Content

- Demonstrate competence in practical aspects of chemistry, including: Laboratory skills, Selection and proper use of modern instruments, Proper calibration practices, and/or Computer-based data acquisition.

Critical Thinking

- Use chemical literature effectively and efficiently by demonstrating basic techniques in on-line searches for specific reference/ review articles.

Communication

- Communicate professionally about chemistry through writing in an accepted scientific format and orally in a public venue.

Integrity/Values

- Recognize ethical components in complex situations.

Project Management

- Design and execute projects reasonably for available time constraints.

Hazard/Risk Management

- Handle hazardous materials safely.

Assessment of Student Learning Outcomes

Throughout the undergraduate chemistry program, you will have the opportunity to demonstrate what you have learned not just in traditional examinations but through the varied and interesting activities related to the production of research. The department emphasizes effectiveness as a member of a scientific team. Advanced research courses provide a perfect showcase for you to synthesize your knowledge and skills from across the curriculum.

Job Prospects for Chemistry Graduates

Chemists work in all kinds of contexts. Some occupations require additional education in graduate school, but many careers are possible on completing undergraduate work.

- Research Chemist
- Industrial Chemist
- University Professor
- High School Teacher
- Physician Dentist
- Veterinarian Physician's Assistant
- Environmental Scientist
- Chemical Oceanographer
- Forensic Scientist
- Crime Laboratory Technician
- Pharmacist
- Pharmaceutical Sales
- Chemical Engineer
- Environmental Engineer
- Scientific Instrument Sales
- Portfolio Manager
- Environmental Health and Safety Officer

Find out more about Chemistry at UWF:

<https://uwf.edu/programs/hmcse/chemistry-bs-ba/>