

# Chemistry



Do you have an interest in a major that studies the composition, structure and properties of matter? The chemistry major at UW-Eau Claire encompasses the creation of new materials with useful and interesting properties such as drugs, plastics and industrial catalysts.

## Majors

- **Chemistry** - Liberal Arts
- **Chemistry** - Teaching

**Comprehensive majors (no minor required)**

- **Chemistry, A.C.S.**
- **Chemistry, A.C.S.** - Materials Science
- **Chemistry, A.C.S.** - Biochemistry
- **Biochemistry/Molecular Biology**
- **Chemistry** - Research
- **Chemistry** - Business
- **Physical Science** - Teaching

## Minors

- **Chemistry** - Liberal Arts
- **Chemistry** - Teaching

## Contact Info:

Chemistry  
Phillips Science Hall 430  
101 Roosevelt Avenue  
715-836-3417 |  
chemistry@uwec.edu

## Where you'll find our grads

- Graduate School - University of Minnesota, Cornell, Northwestern University
- Chemist, Glaxo-Smith-Kline, North Carolina
- Quality Control Chemist, Nestle USA, Eau Claire
- Pharmacy School, University of Wisconsin

## Prepared for Success

As a chemistry major, you'll be prepared for many different roles in science and often advance quickly in your career because of the major's broad, multidisciplinary nature and your ability to transfer knowledge between scientific disciplines. In addition, you will have access to

technology in the Materials Science Center, providing hands-on research very few other undergraduate programs offer. An array of career options and opportunities are available to you, including the technical areas of industrial and biotech research product development and environmental protection, forensic chemistry, teaching, chemical sales and marketing.

Many of our students go on to pursue chemistry-related graduate degrees at places like Cornell, the University of Minnesota or Northwestern. Careers after college include corporate or non-profit research chemists, industry or government product developers, environmental chemists, teachers, dentist, or physicians.

To learn more about health careers, students can utilize the Health Careers Center where they will find advising resources, workshop information, program materials and course information to help them prepare for a biomedical graduate program or health professional program.

## Why UW-Eau Claire

### Rankings / Reputation / Well-funded programs

UW-Eau Claire ranks in the top 3 percent of comprehensive undergraduate chemistry programs nationwide in the number of graduates going on to obtain chemistry PhD.s. Five of our chemistry faculty have received prestigious Dreyfus Teacher-Scholar Awards, more than any other public liberal arts or comprehensive institution in the

The Power of **AND**

University of Wisconsin  
**Eau Claire**

# Chemistry (continued)

country.

Faculty typically generate about \$400,000 per year in grants (\$1.3 Million from 12-16), which pays for student researcher wages and instruments that students use in labs. In addition the department offers about \$11,000 in student scholarships each year

## Hands-On Experience

Our outstanding chemistry faculty have a long tradition of productive collaborative research with students. Chemistry faculty have published more than 170 papers in peer-reviewed journals and have presented at regional, national and international meetings. Summer or academic year paid research positions are also available to help you further your experience in the field. The personal attention of faculty in the lab, classroom and field provides meaningful contacts for grad school and industry work.

## First-Year Suggested Curriculum

- Chemical Principles
- Introduction to Inorganic Chemistry
- Calculus and Analytic Geometry
- University writing requirement - depending on placement exam
- General electives

## Course Work / Pre-Professional Courses

Chemistry courses are mostly sequential. Upper-division courses have chemistry, math and physics prerequisites that must be satisfied during the first two years if possible. Many students participate in undergraduate research collaboration with a faculty member. This can begin

as early as the first semester on campus and last throughout the student's career.

## Special Admission Guidelines

Chemical Principles (Chem 115) requires superior preparation in high school chemistry. Successful students have often taken AP chemistry, and/ or earned strong grades in high school chemistry, physics, and mathematics. Students who do not have sufficient high school chemistry preparation or who place into a lower level math course should take General Chemistry (Chem 103 and Chem 104) first.