

Chemistry

At UW-Eau Claire

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.



Bright futures

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.

Collaborative faculty

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.

And the award goes to

UW-Eau Claire ranks in the top 3 percent of undergraduate chemistry programs nationwide in the number

of graduates going on to obtain chemistry PhD.s. We consistently rank in the top 5 in the nation for the number of chemistry graduates at masters level universities. Five of our chemistry faculty have received prestigious Dreyfus Teacher-Scholar Awards, more than any other public liberal arts or comprehensive institution in the country.

Well funded

Faculty typically generate about \$500,000 per year in grants (\$1.9 Million from 08-11), 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.

"Here at UW-Eau Claire, the Chemistry program creates possibilities for students to be active in internships and research. The professors help students find the right fields to pursue, and the knowledge and experiences will help me in my goals of being a pharmacist."

— Bonnie



Our graduates

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.

Places our grads go:

- **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

Majors

Chemistry, Liberal Arts
Comprehensive Chemistry Majors
Chemistry, A.C.S.*
Materials Science emphasis A.C.S.*
Biochemistry emphasis A.C.S.*
Research Emphasis
Biochemistry/Molecular Biology,
Chemistry, Teaching

*The A.C.S. Chemistry major is certified by the American Chemical Society (A.C.S.).

Minors

Chemistry

Course work

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.

Suggested freshman curriculum

Chemical Principles
Introduction to Inorganic Chemistry
Calculus and Analytic Geometry
University writing requirement -
depending on placement exam.
For test-out options, see uwec.edu/
Blugoldseminar/testout.

General electives

Health Career Center

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.

note: Program readiness

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.
www.uwec.edu/chemistry

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CHEMISTRY

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