

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 120 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 5 percent of undergraduate chemistry programs nationwide in the number of graduates going on to obtain chemistry PhD.s. We

rank No. 1 in the U.S. among 600 Masters I and II institutions for the baccalaureate origins of Ph.D. chemists in a recent 10-year period (1988-1998). Four 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 (\$700K in 07-08), 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.

To learn more about the Eau Claire Advantage go to www.uwec.edu/advantage

The dedicated research faculty combined with the analytical and spectroscopic instruments at UW-Eau Claire allows our chemistry department to be competitive with nationally ranked programs. Through classes and research opportunities, students receive the training needed to excel as a scientist.

—Katie



[our graduates]

Nearly 40% of our students go on to pursue chemistry-related graduate degrees at places like Cornell, U of M 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** - U of M, Cornell, Northwestern University
- **Chemist**, Glaxo-Smith-Kline, North Carolina

[Majors]

Chemistry, A.C.S. - comprehensive*
Chemistry, Liberal Arts - comprehensive
Chemistry, Liberal Arts - standard
Chemistry, Teaching - standard

*The A.C.S. Chemistry major is certified by the American Chemical Society (A.C.S.). The A.C.S. major has a few more chemistry requirements than the Comprehensive Chemistry major.

[Minors]

The Chemistry Department offers a minor that requires 24 credits in chemistry. Chem 100, Chem 127 and Chem 150 do not count toward the minor.

[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
Introduction to College Writing
General electives

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

for more information

For more information about the chemistry program:

CHEMISTRY

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For more information about campus:

ADMISSIONS

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