



# CHEMISTRY WITH BUSINESS EMPHASIS

## UW-EAU CLAIRE UNDERGRADUATE FACT SHEET

In today's society, the increasing interplay between technology and the economy is the keystone for the growth of many businesses and industries. Issues such as the comparison between traditional and alternative fuels, production and costs of pharmaceuticals and the environmentally appropriate treatment of hazardous waste make headlines. UW-Eau Claire's major in chemistry/with business emphasis combines studies in these two areas to offer students the opportunity to earn a degree in a field that is expanding and exciting.

### WHY STUDY CHEMISTRY WITH BUSINESS EMPHASIS?

- The combination of technical and business expertise is especially attractive to industrial employers.
- Prepare for non-laboratory careers in the chemical industry including product development, business development, sales, marketing research, technical service and manufacturing.
- It's good preparation for graduate studies in business or for careers in expanding industries such as pharmaceuticals, biotechnology, nanotechnology, electronic materials, petrochemicals, polymers, pollution control, and the production of bio-based fuels and materials
- The logic and analytical skills developed in chemistry will enhance your ability to find solutions in any field.

### THE EAU CLAIRE ADVANTAGE

- The UW-Eau Claire chemistry program provides excellent preparation for graduate study or immediate employment.

- Through seminars and internships, upper-division students interact with and gain valuable career experience from people working in the chemical industry and chemical business.
- The chemistry department has a long tradition of productive collaborative research between undergraduate students and faculty, culminating in published papers in peer-reviewed journals and presentations at regional, national and international meetings.
- The department has an impressive array of state-of-the-art equipment and instrumentation to which all chemistry majors have access during their studies.
- The department faculty, all of whom have doctoral degrees, teach all classes.

### UW-EAU CLAIRE FACTS AT A GLANCE

- Location: Eau Claire, Wis.; city pop. 64,000, metro. pop. 151,000
- Average enrollment: 10,500
- Undergraduates: 10,063
- Graduate students: 503
- International students: 124
- Multicultural students: 485
- Average men-women ratio: 2-to-3
- Students who spend at least a semester studying abroad: 24%
- Students doing undergraduate research with faculty/staff: 710+
- ACT composite average: 24+
- Average high school rank: 77%
- Average class size: 28
- Faculty-student ratio: 1-to-20
- Computers-student ratio: 1-to-9
- Student organizations: 224
- Walk across campus: About 10 minutes
- Nickname: Blugolds
- Colors: Navy and old gold

- Classes are small and faculty members are readily accessible outside class hours.
- Students also take coursework in the College of Business, which is located in the adjacent Schneider Hall, a facility containing offices, classrooms and laboratories for equipment used in the business data processing area.

### CAREER OPTIONS

- Technical service engineer
- Pharmaceutical sales representative
- Quality control and quality assurance specialists
- Purchasing agent
- Business development specialist
- Marketing specialist
- Product manager
- Distribution and transportation manager
- Regulatory specialist (EPA, FDA, OSHA)
- Laboratory manager
- Business owner, corporation vice president or president

### UNDERGRADUATE PROGRAMS

To meet the needs of students and the society they will serve, the UW-Eau Claire chemistry department has developed four major emphases under the guidance of the American Chemical Society. Broad professional options are provided by the A.C.S. and liberal arts majors that allow entry into all fields of physical and life sciences. The teaching and chemistry/with business emphasis majors offer opportunities for some specialization. Opportunities in biochemistry and molecular biology are available in a comprehensive major provided by the biology and chemistry departments.

## HIGH SCHOOL PREPARATION

- The normal entry in the chemistry major track is Chem 115, a one semester general chemistry course that requires excellent preparation in high school chemistry. Successful students usually have had AP chemistry or a second year of high school chemistry. Students should also be prepared to start mathematics in Math 111 or above. Students who have average high school chemistry preparation or who place into a lower level math course (Math 109 or lower) should elect the two semester general chemistry sequence, Chem 103 followed by Chem 104. Students who place into remedial math (Math 010 or Math 020) should delay their chemistry course work until their math skills prepare them for algebra.
- All students who enroll at UW-Eau Claire are required to have a minimum of 17 college preparatory units including:
  - 4 years of English (at least 3 composition and literature)
  - 2 years of a single foreign language
  - 3 years of math (algebra, geometry, 1 advanced college preparatory math)
  - 3 years of natural science
  - 3 years of social science (1 must be world or American history)
  - 2 additional units in the areas already mentioned or other academic areas

## FRESHMAN COURSE WORK

### Sample First Year

#### FALL SEMESTER

COURSE#	TITLE	CREDITS
Chem 115	Chemical Principles	6
Math 111	Short Course in Calculus	4
Econ 103	Principles of Microeconomics	3
General education course		3

#### SPRING SEMESTER

COURSE#	TITLE	CREDITS
Chem 213	Quantitative Analysis	4
Econ 104	Principles of Macroeconomics	3
Engl 110	Introduction to College Writing	5
General education course		3

#### FOR MORE INFORMATION

For more information about UW-Eau Claire's program in chemistry with business emphasis, contact:

#### CHEMISTRY

Phillips Hall 430  
UW-Eau Claire  
Eau Claire, WI 54702-4004  
715-836-3417  
[www.uwec.edu/chemistry](http://www.uwec.edu/chemistry)

For more information about campus including costs, housing, admission requirements and tours:

#### ADMISSIONS

Schofield Hall 112  
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Eau Claire, WI 54702-4004  
715-836-5415  
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[www.uwec.edu](http://www.uwec.edu)



Experience the Eau Claire Advantage.