

## THE CHEMISTRY MAJOR

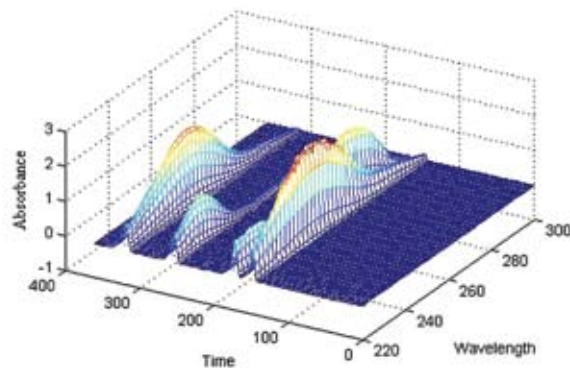
In small classroom settings you will explore all the classical areas of chemistry—organic, inorganic, analytical, and physical—or you may combine these areas with courses in biology. You may pursue research with faculty members in a variety of specialized areas, such as medicinal chemistry, polymer chemistry, synthetic chemistry, chemical kinetics, environmental chemistry, X-ray analysis, or natural products chemistry.

To help you meet individual career objectives, you have the option of combining the study of chemistry with computer science, mathematics, physics, engineering, or the arts.

The Department of Chemistry offers undergraduate programs leading to

- a bachelor of science degree in chemistry or chemistry-biology
- a bachelor of arts degree in chemistry

Three dimensional representation of a separation of some medicinal substances



### Why Chemistry at the University of Hartford?

- small class size and individual attention
- opportunities for research and projects with faculty
- extensive support for utilizing computers in chemistry
- problem-based laboratory work
- development of presentation skills
- solid preparation for either graduate school or work as a chemist
- comprehensive experience with modern instrumentation

### A Sampling of the Curriculum

#### Foundation Course

College Chemistry

#### Intermediate Level

Analytical Chemistry

Organic Chemistry

#### Advanced Level

Physical Chemistry

Instrumental Analysis

Advanced Synthesis

Inorganic Structure and Bonding

Other advanced electives

**Learn more about  
the University of Hartford  
at [www.hartford.edu](http://www.hartford.edu).**



College of Arts and Sciences  
UNIVERSITY OF HARTFORD

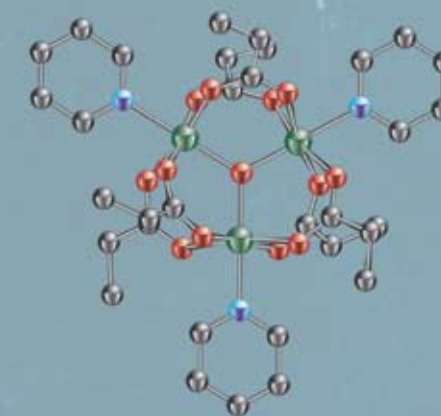
200 Bloomfield Avenue  
West Hartford, CT 06117

[www.hartford.edu](http://www.hartford.edu)

The University of Hartford admits students without regard to race, age, color, creed, gender, physical ability, sexual orientation, or national and ethnic origin to all rights, privileges, programs, and activities generally accorded or made available to students of the University.

Department of

# Chemistry



College of Arts and Sciences  
UNIVERSITY OF HARTFORD

## A FEW WORDS FROM OUR GRADUATES

"There's nothing that would have better prepared me for grad school than this department. It's tailored to your wants and needs and you aren't a nameless, faceless person in a lecture hall. This place works well. Everything just works here. Everybody gets along."

**Eddie Witlicki**

*Class of 2006*

*Ph.D. Candidate, Indiana University*

"I was asked during [a recent] high school visit what made me decide to go into chemistry and here was my answer: It was during the second semester of my General Chemistry class and my professor did this demonstration where she started out with a bunch of graduated cylinders that were all boringly clear. By the end of the demonstration she had them all different colors and some were bubbling, some were fuming, some were doing both. I remember thinking 'That is awesome! I want to be able to do that!' and that's what got me hooked."

**Dr. Elizabeth M. Pelczar, Ph.D**

*Class of 1999*

*Ph.D. from Rutgers University, 2007*

"My chemistry degree has prepared me for the many challenges of working in the real world. The classes I took from the University of Hartford's Department of Chemistry—such as Physical Chemistry, Quantitative Analysis, and Organic Chemistry—prepared me for my job at the U.S. Geological Survey, where I'm a kinetic modeling chemist using every possible analytical instrument from Purge and trap GC, GCMS, FID, TCD, to AA."

**Wandee Kirkland**

*Class of 1999*

*Chemist*

*U.S. Geological Survey Institute*

"I greatly enjoyed the research opportunities that I had while at Hartford. After conducting research in both the biology and the chemistry departments, I quickly realized that I wanted to continue my education in the field of chemistry. It was the chemistry professors who took it upon themselves to help guide me to the correct graduate program for my interests. They prepared me not only for the graduate school interviews but also helped me understand what to expect during my continued studies."

**Dr. Suzanne Buck, Ph.D.**

*Class of 1996*

*Scientist*

*Invitrogen, Molecular Probes*

*Detection Technologies*

"I have to say I don't know what I would have become if I hadn't gone to the University of Hartford. The Department of Chemistry has an excellent program. I was very well prepared for graduate school, both in academics and in research. The atmosphere in the department is warm and friendly. I could ask for as much help as I needed from professors, until I was clear on a subject. There are many nice things about the Department of Chemistry, but in short, I would do it all over again if there were a chance."

**Dr. Baochau Nguyen**

*Class of 1996*

*Senior Research Scientist*

*NASA Glenn Research Center*

## FURTHER INFORMATION

For more information about the chemistry program at the University of Hartford, please contact us by phone, e-mail, mail, or fax.

Department of Chemistry  
University of Hartford  
200 Bloomfield Avenue  
West Hartford, CT 06117  
Attn: Department Chair

Phone: 860.768.4531 Fax: 860.768.4540

E-mail: [chemistry@hartford.edu](mailto:chemistry@hartford.edu)

Web: <http://uhaweb.hartford.edu/chemistry>

## WHAT CAN YOU DO WITH A DEGREE IN CHEMISTRY

Graduates of our program have traveled along a variety of career paths:

- You might join a research group to help develop new pharmaceuticals, new fuels for the transportation industry, or new polymers for aerospace applications.
- You could find yourself in the field doing environmental testing, in a crime lab examining chemical evidence, or in an art museum restoring Renaissance paintings.
- If you enjoy interacting with people, you might consider a position in chemical sales or technical service or new markets for a company's products.
- You could also share your chemical knowledge as a high school science teacher.

Once you've completed your undergraduate degree, you might decide to pursue an advanced degree in chemistry, which would prepare you for research in such diverse areas as medicine, forensic science, oceanography, or toxicology. Or, you could combine an undergraduate degree in chemistry with a law degree to become a patent attorney, or combine it with a master's in library science to become a science librarian. Advanced study in chemistry or biochemistry could also qualify you for a career in teaching and research at a college or university. Some graduates have even started their own companies.

