

# CHEMISTRY

College of Liberal Arts and Sciences

[uis.edu/chemistry](http://uis.edu/chemistry)



## *UIS—Engaged in Your Future*

Those who choose a career in chemistry are at the forefront of improving our health, our food, our safety, and even our environment. In this program, you'll master the laws that govern the combination of elements and reactions of substances, and develop good lab techniques and problem solving skills.

Our graduates have proceeded to successfully earn advanced degrees in chemistry at top-notch institutions around the country. Many students use their degree in chemistry as a pre-professional degree to go on to medical, dental and pharmacy schools.

### Bachelor's Degree

- Bachelor of Science (B.S.)
- Minor

### Career Paths

- Researcher
- Research and Development (R&D) chemist
- Forensic chemist
- Materials scientist
- Pharmaceutical or instrument company representative
- Technical writer
- Hospital or pharmacy chemist
- Chemistry teacher
- Biotechnologist
- Medicinal chemist
- Environmental chemist

### Distinction

- The B.S. degree is approved by the American Chemical Society's Committee on Professional Training. Many of our graduates take the curriculum leading to certification by the American Chemical Society.
- Chemistry majors are required to conduct a research project with a faculty mentor and have the opportunity to present their research at local, regional and national conferences.



UNIVERSITY OF ILLINOIS  
SPRINGFIELD

# Bachelor's Degree

## PROGRAM HIGHLIGHTS

**Honors program.** Participation in the chemistry honors program is open to all students meeting certain requirements, including the completion of CHE 422 Inorganic Chemistry and a public presentation of the results of undergraduate research.

**Biochemistry.** Students can choose a concentration in biochemistry, an attractive option for those seeking to attend medical school or to find careers in forensic science or biotechnology.

## B.S. IN CHEMISTRY

Complete university requirements – a minimum of 13 credit hours of Engaged Citizenship Common Experience (ECCE) courses

Complete chemistry introductory courses (32 credit hours)

Complete core courses (30 – 36 credit hours)

Sample of courses:

- Introduction to Nanotechnology
- Materials of the Artist
- Chemistry Cooks
- Principles of Inorganic Chemistry
- Introduction to Forensic Science
- Chemical Analysis
- Laboratory Techniques
- Biochemistry
- Physiological Chemistry
- Environmental Toxicology
- Organic Chemistry
- Instrumental Analysis
- Biomolecular Laboratory Methods
- Inorganic Chemistry

For a complete list of courses and degree requirements, see the UIS catalog at [uis.edu/uiscatalog](http://uis.edu/uiscatalog)

Chemistry minor available, 16 credit hours minimum.

*IMPORTANT! Information effective Fall 2010. Subject to change without notice. The information does not constitute a contract between the student and UIS. See [uis.edu/uiscatalog](http://uis.edu/uiscatalog) for current program requirements.*

## ACADEMIC ORGANIZATIONS

**The UIS Chemistry Club** promotes chemistry on campus and the community through a variety of activities such as National Chemistry Week demonstrations and celebrations, Graduate Info Night, Applied Study Term/Research Night, and the end of the year BBQ.



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