Illinois Tech is a small, private university that educates students to go on to do big things. For graduates of our Department of Chemistry, this has included leading an experimental group at Lawrence Livermore National Laboratory, directing a new initiative on the environment at Massachusetts Institute of Technology, and much more.

What does this mean for you? You’ll experience the same easy access to chemistry professors, allowing for research opportunities, letters of recommendation, and connections in the field. Our small department provides students personalized attention, and our faculty will help you reach your full potential—whether you’re looking to make a difference in health, energy, education, or another field. At Illinois Tech you’ll get into the lab with professors and put chemistry to work. Innovate, experiment, and benefit from the research capacity of a major league research institution.

Chemistry Specializations at Illinois Tech

Receive your bachelor’s degree while specializing in an area of interest to you.

- Biological Chemistry
- Chemical Physics
- Materials Chemistry
- Pharmaceutical Chemistry
- Polymer Chemistry
- STEM Education (grades 6–12 certification)
- Pre-Medicine and Pharmacy Concentrations and Dual Admissions Programs
- Honors Law

Research—Even As an Undergrad!

Chemistry undergraduates at Illinois Tech get the opportunity to work on major research right from the start. We also offer $5,000 Undergraduate Summer Research scholarships to select students.

Research on the Edge

Our faculty are pushing the boundaries of what we know in many areas, including:

- **Energy**: Creating better materials and catalysts, solar energy conversion, organic solar cells and photovoltaic devices
- **Health**: Designing and creating new drugs and diagnostics to treat cancer and other diseases
- **Environment**: Making modern living more sustainable, developing sensors and biosensors for pollutants and toxins

Chemistry Professor Joy Chong conducts interdisciplinary research projects aimed at developing safe, effective, and targeted drugs for cancer and neurodegenerative diseases. Her lab has developed several promising cancer therapeutic and diagnostic agents with successful preclinical profiles that are favorably compared to the existing cancer drugs.
Learn to Innovate in IPROs

In Illinois Tech’s signature Interprofessional Projects (IPRO) Program, you’ll work with students from various majors to solve real-world problems. Recent chemistry-oriented IPROs include:

- Terraforming urban soils and use of appropriate food process technologies
- Creating (and selling) a viable tissue implant for human joints
- User interfaces for novel computer-aided drug design tools
- Synthesizing and testing tungsten carbide-cobalt nanomaterials and investigating industry applications and commercialization potential
- Use of treated wastewater in buildings

STAND OUT.

Our graduates are far from ordinary. But we expect them to be extraordinary.

Susan Solomon (Chemistry ’77)—Co-chair of the Intergovernmental Panel on Climate Change, which received the 2007 Nobel Peace Prize

Vincent Rotello (Chemistry ’85)—Professor at the University of Massachusetts Amherst, where he researches sensors, materials, and drug delivery

Giang Vo (Chemistry ’05)—Senior research investigator at DuPont, where he is conducting research used in displays, lighting, and smart materials applications

Food Science at Illinois Tech

The Department of Food Science and Nutrition leverages the power of collaborative research between Illinois Tech and the U.S. Food and Drug Administration, which allows our students to benefit immensely from focused interaction with FDA scientists.

2’fer Advantage

Illinois Tech’s special degree programs allow you to receive both your bachelor’s and master’s degrees in as few as five years.

- Bachelor of Science in Chemistry/M.A.S. in Food Safety and Technology

“...In my Introduction to the Profession class, we were assigned to interview a few professors from the chemistry department and to learn more about their research. As a result of one such interview, I became interested in one of my professor’s work and was invited to take an introductory research class in his lab over the summer. Gaining laboratory experience really broadened my idea of chemistry as a career, and helped me see what I was getting myself into after graduation.

— Grace Wischmeyer (Chemistry/Biology, Environmental Engineering Minor 2nd Year), Franklin Park, Illinois Camras Scholar

EXPERIENCE IT

SEE WHAT HAWK LIFE IS ALL ABOUT!

Throughout the year we host a number of opportunities for you and your family to come check out everything you’d ever want to know about us!

Schedule a campus visit today at visit.iit.edu.

Or send us an email at admissions@iit.edu.