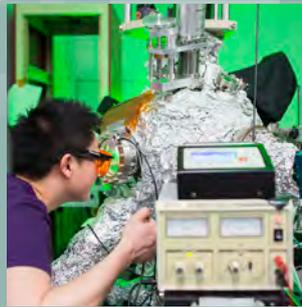
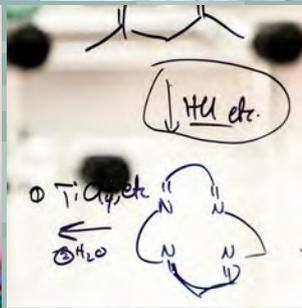


# ILLINOIS TECH

Graduate Programs



## College of Science

Discover. Create. Solve.

### AN EXTENSIVE ARRAY OF OPTIONS

The College of Science delivers superior educational and research opportunities through master's (professional master's—market-driven, non-thesis), master of science (thesis), and Ph.D. programs (terminal academic degree), as well as certificate programs.

#### Master's Degrees

- Applied Mathematics
- Chemistry
- Computer Science
- Data Science
- Health Physics
- Materials Chemistry
- Mathematical Finance (with Illinois Tech's Stuart School of Business)
- Telecommunications and Software Engineering (with Department of Electrical and Computer Engineering)

#### Master of Science Degrees

- Analytical Chemistry
- Applied Mathematics
- Applied Physics
- Biology
- Biology for Health Professions
- Chemistry
- Computational Decision Science and Operations Research
- Computer Science
- Computer Science/Master of Chemical Engineering (with Department of Chemical and Biological Engineering)
- Molecular Biochemistry and Biophysics
- Physics

#### Doctoral Degrees

- Applied Mathematics
- Biology
- Chemistry
- Computer Science
- Molecular Biochemistry and Biophysics
- Physics

▶ Certificates and special programs are offered in many areas. Programs in Food Safety and Technology are offered through Illinois Tech's Institute for Food Safety and Health



Science  
The Raw Fuel of Innovation

ILLINOIS INSTITUTE  
OF TECHNOLOGY

#### GRADUATE ADMISSION AT ILLINOIS TECH

10 West 33rd Street  
Perlstein Hall, Room 206  
Chicago, IL 60616

grad.recruitment@iit.edu  
312.567.3020 (office)  
312.567.3138 (fax)

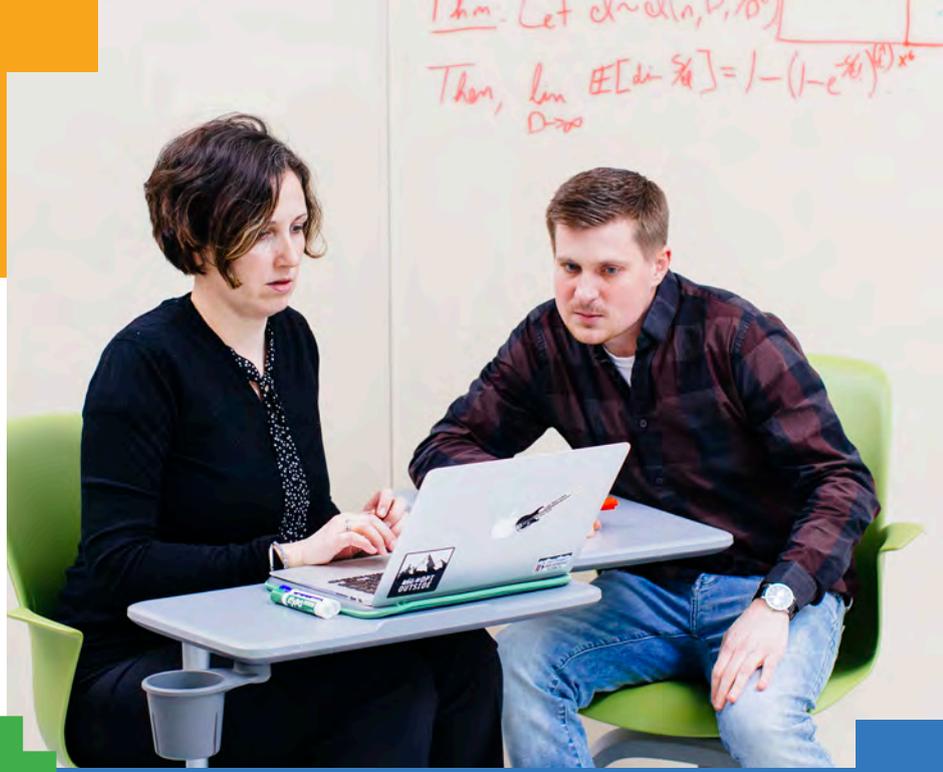
ILLINOIS INSTITUTE OF TECHNOLOGY  
College of Science

science.iit.edu

# AT THE FRONTIER OF KNOWLEDGE

Illinois Tech's College of Science offers our graduate students the opportunities and resources of a major research university with the collaboration and personal attention usually associated with a small, private institution of higher education. At the heart of our education is discovery—research that changes how we look at our world and that expands our knowledge of worlds beyond our own.

Our departments cultivate a sense of community. You will work closely with your advisor. Our programs are rigorous, giving you a rock-solid foundation in the discipline; and they're relevant, giving you context in which to apply knowledge to real-world situations. This combination of experiences will have special value not only in preparing you to address known problems but also in equipping you to face the unknown problems of the future.



## CREATING CONNECTIONS, GIVING ACCESS

The College of Science has strong connections and networks with internationally renowned area labs, including Argonne National Laboratory and Fermilab, as well as other leading research institutions throughout the United States and across the globe. You will have access to a world-class accelerator, leading-edge computer and other research and scholarly facilities, and R&D at Fortune 500 companies headquartered in Chicago.



## A LEGACY OF DISCOVERY

Innovation and discovery are at the heart of what we do and teach. Our faculty collaborate on, as well as lead, research initiatives at international sites including CERN in Switzerland, Daya Bay in China, and elsewhere, and our students work in major research instrumentation and computation facilities.

Our students and faculty are currently working on research initiatives that include:

- Cancer therapeutics
- Mathematical finance
- Big data, cloud computing
- Materials synthesis and characterization
- Fundamental and applied accelerator physics
- Neutrino science
- Structural biology and biophysics

Our legacy of discovery is reflected in the accomplishments of our faculty and graduates in mathematics, science, and computer science, including:

- **George Birkhoff**, Lewis Institute attendee 1896–1902, great mathematician of the early twentieth century, formulated the ergodic theorem
- **Karl Menger**, former faculty, considered one of the finest mathematicians of the twentieth century
- **Leon Lederman**, former faculty, 1988 Nobel Prize in Physics
- **James Lemke** (PHYS '59), creative technologist and serial entrepreneur
- **Susan Solomon** (CHEM '77), co-chaired a working group of the Intergovernmental Panel on Climate Change, which received the 2007 Nobel Peace Prize
- **Rajeev Chandrasekhar** (M.S. CS '88), member of the team that designed the Intel Pentium chip
- **Victor Tsao** (M.S. CS '80), co-founder of Linksys
- **Andrea Berry** (CS '84), Emmy Award-winning television executive
- **Dale Webster**, former faculty, founder of the field of bacterial hemoglobins, which has since become a widely studied area in biology

## GRADUATES WHO GET RECOGNIZED

After they graduate, College of Science graduate students go on to work for major research institutions, colleges, and national laboratories, pursue additional advanced degrees, and are offered professional positions in corporations.



**ILLINOIS TECH**

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