GRADUATE PROGRAMS

ILLINOIS TECH
Discover. Create. Solve.
Excellence doesn’t happen overnight. At Illinois Tech, innovation and achievement is a story 128 years in the making.

It began in 1890, when a giant of Chicago’s industry established a university to educate talented people capable of harnessing technology and leading the city into the great industrial era of the early twentieth century.

Since then Illinois Tech has embraced the same pioneering spirit of invention and discovery. Our community of exceptionally smart graduate students and faculty is driven to rethink the known and bring new ideas into the world. As a result our graduate alumni have changed the course of human history, giving us the cell phone, the Pentium chip, Linksys, the Telestrator, architectural marvels, and many other innovations that have revolutionized the world.

As a graduate student at Illinois Tech, you will surround yourself with passionate people who share your quest for discovery. Here you will find a one-of-a-kind graduate experience—one that offers hands-on learning, expert guidance, and world-class resources. You will explore what motivates you and create your own excellence.

Changing the world is serious work. Join us.
At Illinois Tech you’re inspired to dream as much as you are empowered to do.

Graduate alumnus Rohit Prasad (M.S. EE ’99), vice president and head scientist of Amazon Alexa AI, says Illinois Tech’s excellent faculty mentorship fostered his growth and helped him follow his passions.

“I was fortunate to have a great graduate school advisor who trained me up for industry and what was going to be my passion,” Prasad says. “I thank him for all the rigor that he instilled in me in terms of scientific advances—how it’s not just about having the best algorithm you can think of, but how to prove it with sound methodology, and whether it works in a real-world setting. That preparation, of not just being an academic, but actually making your inventions matter in the real world, I learned from my advisor.”

This personalized attention, coupled with Illinois Tech’s state-of-the-art facilities and close relationships with industry partners, allowed Prasad to thrive. Now he is living his passions by inventing the future of AI.

“IT was critical as a budding student, whether you’re an undergraduate student or a graduate student, to have a passion,” Prasad says. “If you follow your passion you’re ultimately going to make the right decisions that fulfill your dreams.”

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Illinois Tech is proud of our hometown, and we are a product of our city’s culture. We value hard work, ambition, community, bold thinking, and rebelliousness. Just like the great global city of Chicago.

Chicago offers graduate students an unparalleled environment to study, conduct research, and explore a diverse range of intellectual and professional pursuits. From medicine to financial markets and from high-tech startups to nonprofits, Chicago provides countless pathways in life. The city’s burgeoning tech ecosystem feeds growth in multiple sectors including science, law, management, energy, and marketing and creative industries.

Chicago is also a friendly and charming city of neighborhoods, rich with cultural attractions including museums, music venues, parks and nature, plus professional sports venues and many other opportunities to explore something new.

**CHICAGO IS:**
- World’s seventh most flourishing tech ecosystem—Compass Global Startups Ecosystems Report 2016
- Top 10 city of global opportunity—PwC 2014
- Top 10 U.S. city for tech careers—CIO magazine

**CHICAGO OPPORTUNITIES.**

**OUR HOMETOWN IS AN ARCHITECTURAL LIVING LABORATORY.**
El Paso, Texas  
(Master of Science in Technology and Humanities)  
Michael Anthony DeAnda

“From my experience, working in inclusive settings also creates opportunities to engage with people from different walks of life, and from my experience, working in inclusive spaces is encouraged by the faculty.”

Madrid, Spain  
(Ph.D. Candidate Biology)

“...If you want to get a grad-level degree in biology and you are looking for a school where you will get personalized attention and research opportunities, Illinois Tech is a great option. There are several labs that accept new grad students every year and offer a good variety of disciplines and projects, so you can find what you like best.”

Adriana Mahia Nuñez  
CPh.D. Candidate Biology  
Madrid, Spain

“...The structure of academic programs at Illinois Tech at all levels requires working with students from other academic disciplines. The diversity of the campus also creates opportunities to engage with people from different walks of life, and from my experience, working in inclusive spaces is encouraged by the faculty.”

Michael Anthony DeAnda  
(Master of Science in Technology and Humanities)  
El Paso, Texas

For detailed information on these degree programs, including certificate courses, visit admissions.iit.edu/graduate/programs.

Each of our colleges is accredited by the leading accreditation authority. Illinois Tech is accredited by the Higher Learning Commission.
Illinois Tech has an extensive network of state-of-the-art facilities across our four Chicago-area campuses that are focused on research and innovation. Just a few of these facilities include:

- **Idea Shop**: 13,000-square-foot rapid-prototyping lab with 3D printers, CNC milling machines, wood cutters, and a staff dedicated to helping students transform ideas into products.
- **Robert B. Kyts Design Studio and Machine Shop**: Nationally known prototyping and machining provider for small-quantity custom projects, specializing in model building, wind tunnel modeling, one-of-a-kind prototypes, and special projects.
- **Architecture Materials Lab**: 10,000-square-foot lab with tools and machinery for working with wood, metal, and plastics, in addition to a laser lab and 3D printing.
- **Libraries**: A five-library network offering a broad array of research journals, staff who provide research and writing assistance, laptop rental, 3D printers, and many other resources, with separate libraries for law, architecture, food safety, and ethics scholarship and training.
- **Center for Synchrotron Radiation Research and Instrumentation**: Operates the BioCAT and MR-CAT X-ray beamlines at the Advanced Photon Source at Argonne National Laboratory.
- **Financial Markets Research Lab**: Dual-monitor Bloomberg work stations that allow screen sharing from Bloomberg terminals.
- **Facilities in the School of Applied Technology**: Include sophisticated labs for embedded systems, real-time communications, and more.
- **Judge Abraham Lincoln Marovitz Courtroom**: Modeled on the best courtrooms and trial advocacy training facilities in the country, incorporates the latest computer and audiovisual technologies in a traditional setting.

**Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship**

This new facility is an innovation hub on campus focused on bold thinking and transitioning new ideas into products and processes. The Kaplan Institute houses workshops, media labs, classrooms, collaborative hubs, emerging technologies, and maker spaces, and incorporates design training into courses taught within it.

**CHICAGO-KENT COLLEGE OF LAW**

- #1 Intellectual Property Law Program—Law Street Media (2017)
Typically your graduate years are when you hone your expertise by focusing on a relatively narrow field or topic. That may be appropriate for some areas of study, but for some students it can be unnecessarily rigid. Moreover, it ignores the reality that in today’s workplace you will need dynamic skills and relevant experience across various disciplines in order to be an effective problem solver who can navigate the complex layers of any evolving field.

Illinois Tech’s 60-plus graduate degrees are distinctive by design. Innovation, invention, technology, and entrepreneurship are woven throughout our programs. You will gain valuable exposure to relevant and hands-on work within your chosen program, combined with unique interdisciplinary pathways that allow you to work across traditional silos.

**MORE INTERDISCIPLINARY PATHWAYS**

Below are a few of Illinois Tech’s academic and research strengths with appeal to students across multiple majors. Our graduate advisors and faculty members can assist you in determining which major and department will best suit your needs.

- Architecture and Design
- Artificial Intelligence
- Big Data
- Cloud Computing
- Cybersecurity
- Energy and Sustainability
- Engineering Innovation
- Entrepreneurship
- Finance
- Food Science
- Health and Medicine
- Human and Digital Sciences
- Imaging
- Information Technology
- Manufacturing
- Nanotechnology
- Quantitative Analysis
- Robotics
- Transportation
- Science and Technology

**ENERGY AND SUSTAINABILITY**

Illinois Tech is a pioneer in this area, which is just one example of a general field of interest for many students. Outside of specific degree programs, students can take part in a wide range of interdisciplinary work to expand their knowledge base and explore relevant topics within a field of interest. This includes research centers, faculty research assistance, certificate programs, free lectures and seminars, and more opportunities. The same is true for many pathways, from design to computational science to health.

**WORK ACROSS BOUNDARIES**

**INTERDISCIPLINARY PATHWAY:**

**ENERGY AND SUSTAINABILITY**

**PROGRAMS**

Any engineering degree, Biology, Chemistry, Physics, Industrial Technology and Management, Law, Sustainability Management

**CERTIFICATES**

Programs include topics such as water and wastewater treatment, current energy issues, electricity markets, sustainable enterprise, indoor air quality, and more

**PARTNERSHIPS**

Illinois Tech has a strong network of partners in the academic, research, and public and private sectors. The university’s longstanding relationship with Argonne National Laboratory includes faculty and graduate student research in a range of energy and sustainability domains, from alternative fuels to the microgrid.

**RESEARCH INSTITUTES AND CENTERS**

Wanger Institute for Sustainable Energy Research; Grainger Power Electronics and Motor Drives Lab; Built Environment Research Group; Center for Sustainable Enterprise, Energy/Environment/Economics; Institute for Science, Law, and Technology
It may come as no surprise that Illinois Tech—home of the country’s first research nuclear reactor and the university that operates the nation’s first functional microgrid—is known for advanced research that is moving the needle toward significant innovation.

Through our academic departments, and our research centers and institutes, we offer graduate students the opportunity to participate in meaningful, hands-on, and boundary-breaking research. Illinois Tech’s research partnerships with locally based national laboratories such as Argonne and Fermilab, leading medical schools, tech incubators, and government organizations provide our graduate students unparalleled experiences and training at world-class facilities.

Our professors include editors of scientific journals, entrepreneurs, influential design and architecture practitioners, academic society fellows, and thought leaders in numerous fields. As important, our faculty are excellent teachers, uniquely regarded for their accessibility to students and for their commitment as advisors and mentors. You will receive personalized guidance during your graduate course of study.

“The structure of academic programs at Illinois Tech at all levels requires working with students from other academic disciplines. Illinois Tech is at the forefront of research and applied technology. The list of faculty achievements is impressive as well as motivational. I’ve found the real-world experience of faculty to be extremely useful throughout my course of study. The availability of world-class facilities also sets Illinois Tech apart. The Robotics Lab in particular stands out as a unique and interesting facility that encourages technical know-how and possibility.”

Joshua Kazanova
Master of Cyber Forensics and Security
Chicago, Illinois
incorporates end users in the product design—and especially the redesign—the product design, and computer engineering, psychology, their form of community-based participant research and end users in the product design—and especially the redesign—in order to improve the quality of life for people with disabilities.

Mahesh Krishnamurthy, associate professor of electrical and computer engineering, and Eun-Jeong Lee, associate professor of psychology, explore the form of community-based participant research and end users in the product design—and especially the redesign—in order to improve the quality of life for people with disabilities.
When you step foot on Illinois Tech’s landmark campus, one of the first things you might notice is our lack of ivy-covered walls. Illinois Tech is a university rich with tradition, but we offer a new vision for what constitutes academic and research excellence in the twenty-first century. It is less about legacy and more about upending the status quo. It is not about simply breaking down walls, but rather shattering their very purpose and constructs. It is about redefining words like innovation at a time of extraordinary growth and invention.

Our history is strong, but we don’t need ivy to tell you we have been around for a while. Our story is rooted in our accomplishments, and our legacy is told in our countless alumni who continue to change the world.

“One of America’s Most Beautiful College Campuses” — FORBES
Join us. Apply today!

GRADUATE ADMISSION AT ILLINOIS TECH
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