Excellence doesn’t happen overnight. At Illinois Tech innovation and achievement is a story more than 130 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, working to liberate the collective power of difference to advance technology and progress for all. 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.
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 just remembering the past 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—both yesterday and today—and our legacy is told in our countless alumni who continue to change the world.

Contact us to schedule a visit and tour of our Mies Campus, which includes meetings with faculty members, current students, and admissions representatives. 
go.iit.edu/grad-visit

Illinois Tech also offers an online campus tour of our buildings, labs, and open spaces.
iit.edu/admissions-aid/visit-and-tour/virtual-tour

“One of America’s Most Beautiful College Campuses” — FORBES
At Illinois Tech you’re inspired to dream as much as you are empowered to do.

Graduate alumnus Rohit Prasad (M.S. EE ’99), senior vice president and head scientist for Amazon Alexa, 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 adviser 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 adviser.”

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.

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OUTCOMES.
A HISTORY OF EXCELLENCE.

Illinois Tech graduate students earn advanced degrees that have significant value in the marketplace. Illinois Tech alumni are evidence of this return on investment. Our graduate alumni have changed the world and highlight how Illinois Tech is making good on our vision to shape the future.

• Marty Cooper (EE ’50, M.S. ’57) Inventor of the cell phone
• Rajeev Chandrasekhar (M.S. CS ’88) Part of the team that developed Intel’s Pentium chip
• Lois Graham (M.S. ME ’49, Ph.D. ’59) The first woman in the United States to earn a doctorate in mechanical engineering
• Marvin Camras (EE –40, M.S. –42) Pioneer in magnetic recording technology
• David Edwards (Ph.D. CHBE ’97) Harvard University professor and founder of Le Laboratoire, a cultural center fostering experiments at the frontier of science
• Ilana Diamond Rovner (LAW ’88) Judge on the U.S. Court of Appeals for the Seventh Circuit
• Leonard Buttle (EE –40, M.S. –48, Ph.D. –53) Inventor of the telescopater (used to highlight sports plays on TV)
• Victor Taas (M.S. CS ’80) Founder of Linksys
• Sam Karlin (MATH ’46, M.S. ’46) National Medal of Science recipient who contributed to software used to first map DNA sequences
• Tim Zamb (BIO, ’86, Ph.D. ’89) Head of AIDS Vaccine Design and Development Laboratory of the International AIDS Vaccine Initiative
• John P. Calamos Sr. (ECON ’63, M.B.A. ’70) Founder/chairman/CIO of Calamos Investments
• Phyllis Lambert (M.S. ARCH ’63) Design visionary behind New York’s Seagram Building and founder of the Canadian Centre for Architecture
• Virgil Abloh (M.ARCH. ’06) Men’s artistic director for Louis Vuitton
• Kwame Raoul (LA W ’93) Illinois Attorney General
• Alireza Khaligh (Ph.D. EE ’06) University of Maryland professor with more than $5 million in research grants and an expert for the National Science Foundation’s Energy, Power, Control, and Networks Program
• YooJung Ahn (M.D.M. ’06) Waymo head of design

$77,848
the average starting salary for 2017–2020 graduates

86.4%
of our masters students have secured either a full or part-time job or are continuing their education within six months

$77,848
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 a living laboratory for architecture study. From landscapes including the Alfred Caldwell Lily Pool to iconic buildings such as 875 North Michigan Avenue (formerly John Hancock Center), Willis Tower, and Marina City, many notable built spaces in Chicago are affiliated with current or former Illinois Tech students, alumni, faculty, or firms.

CHICAGO IS:

• Ranked as the #13 global technology innovation hub—KPMG 2020
• Home to 36 Fortune 500 companies, 100-plus startups and incubators, and 34 percent women-owned startups
• #1 among “Best Large Cities in the U.S.”—Conde Nast Traveler Readers’ Choice Awards
• Top 10 U.S. city for tech careers—CIO magazine

OUR HOMETOWN IS AN ARCHITECTURAL LIVING LABORATORY

Illinois Tech's Mies Campus is just minutes south of Chicago's Loop and less than a mile from Lake Michigan and the city's 18 miles of stunning beachfront.
Illinois Tech’s seven colleges offer study options that give you maximum flexibility to achieve your goals. Illinois Tech offers traditional master’s and doctoral programs (no thesis required), dozens of certificate specializations, dual-degrees plans, and short-term executive and professional packages. Some or all of your graduate study may be completed online.

ACHIEVE YOUR GOALS.

Adriana Mañas Nuñez
Ph.D., Biological Engineering ’14, Ph.D. Biology ’18
Madrid

“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
Ph.D., Technology and Humanities ’18
El Paso, Texas

“For detailed information on these degree programs, including certificate courses, visit admissions.iit.edu/graduate/programs.”
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.
- **Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship** - An innovation hub that is home to the Institute of Design, media labs, collaboration spaces, emerging technologies, and maker spaces, and where the entrepreneurial mindset is instilled in our students through programming focused on startups, venture capital, and much more.
- **Robert B. Hyts 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 Research Lab** - Dual-monitor Bloomberg work stations that allow screen sharing from Bloomberg terminals.
- **Facilities in the College of Computing** - Focused on information technology and management, 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.

Facilities for food safety include the Biosafety Level 3 (BSL-3) laboratory, one of the first in the country specifically designed to study the behavior of pathogens and virulent organisms in real-world food processing conditions.

Elevate Your Education

At Illinois Tech, we’re focused on empowering our students to become innovators and leaders through advanced technical education and impactful hands-on experiences that ensure that they graduate with the twenty-first century skills needed to launch a great career. Our one-of-a-kind Elevate program guarantees that our students take part in outside-the-classroom experiences such as internships, research, study away, and competitions. It also provides personalized academic and career mentorship, all in pursuit of ensuring that our students graduate career-ready.
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 80-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.

Interdisciplinary collaboration permeates Illinois Tech’s academic and research programs. At Illinois Tech’s Wanger Institute for Sustainable Energy Research (WISER), more than 80 faculty members are currently involved in energy and sustainability research and educational activities across the colleges and institutes at the university.

MORE INTERDISCIPLINARY PATHWAYS

Below are a few of Illinois Tech’s academic and research strengths with appeal to students across multiple majors. Our graduate advisers 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
It may come as no surprise that Illinois Tech—home of the country’s first industrial 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 advisers 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
(M.A.S Cyber Forensics and Security ’18)
Chicago

UNIVERSITY TECHNOLOGY PARK AT ILLINOIS TECH

Chicago’s premier tech park, UTP is located on campus and houses companies in life sciences, engineering, computer science, and energy, many of which employ Illinois Tech students. One of UTP’s first tenants was the cloud storage company Cleversafe, which employs several Illinois Tech graduates and was sold to IBM.

IIT RESEARCH INSTITUTE

Founded in 1936 as the research arm of the university, this independent, not-for-profit preclinical contract research organization specializes in preclinical safety and toxicology, inhalation toxicology, biodefense, and infectious disease studies, and evaluates the efficacy and preclinical safety of cancer therapeutics.
An Illinois Tech team has earned a spot as one of only 13 teams to participate in the prestigious EcoCAR EV Challenge sponsored by the United States Department of Energy, General Motors, and MathWorks. This team of engineering professors will lead students in a four-year project to design, build, refine, and demonstrate the potential of their advanced propulsion system implemented in a 2023 Cadillac LYRIQ. They will have four years to engineer a next-generation fully electric vehicle that deploys connected and autonomous vehicle features to implement energy-efficient and customer-pleasing features while meeting the decarbonization needs of the automotive industry.

**Sanjiv Kapoor, College of Computing**

A cautious pace of reopening communities and economies is necessary to control the spread of the coronavirus during the COVID-19 pandemic, according to new research. Sanjiv Kapoor, professor of computer science, developed a social distancing based Susceptible, Infectious, or Recovered (SIR) model studying the tradeoffs between the timing of removing these restrictions and increases in infection rates both in Illinois and New York state. Results show dramatic spikes in infection rates in both states if restrictions are lifted weeks from the peak of new cases, if too many people are released at a time, or if the daily rate of population release exceeds 1 percent after peak.

**Weeslyne Ashton and Nasrin Khalili, Stuart School of Business and IIT Institute of Design**

In the project Pathways to Cleaner Production in the Americas, supported by the Department of State, professors Weeslyne Ashton and Nasrin Khalili (Ph.D. ENRE ’92) collaborated on a multinational effort to address issues preventing a move toward sustainability in Latin America and the Caribbean. Backed by more than $1 million in funding, the project researched low demand for environmentally friendly industrial-development strategies and the limited number of skilled professionals to implement such strategies. The project team trained hundreds of students across the region in interdisciplinary skills and methods while also exposing 136 micro, small, and medium-sized enterprises to cleaner practices. The researchers looked at everything from how market-based incentives and access to capital spur smaller enterprises to adopt cleaner production practices, to the design of educational models that will adequately prepare individuals who can support sustainable development.

**Tomoko Ichikawa, IIT Institute of Design**

Led by Tomoko Ichikawa, associate teaching professor and an expert in communication design, a group of Illinois Tech students worked with UChicago Medicine to redevelop patient materials for cancer patients undergoing external beam radiation therapy. Typically, these materials are written at an advanced reading level and feature little to no imagery. By extensively studying visual narrative styles, the team zeroed in on imagery that mirrors that of a graphic novel. The result was materials that are more approachable and thus better help anxious patients navigate the treatment process.

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Join us. Apply today!

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