A Focus on Technology. The Drive to Innovate.

Nothing has the power to create lasting change in our world like technology. It is the gateway to innovation, makes possible the discovery of elusive subatomic particles, and provides global communication tools for even the remotest populations. It entertains and educates, gives us more precise directions from point A to point B, and allows us to look inside the body and past the stars.

Technology. The game changer in a changing global world.

The Intersection of Technology and Innovation is Here. In Chicago. At IIT.

IIT physics faculty-researchers are participating in the neutrino experiment at Daya Bay in China.

Martin Cooper (EE ’50, M.S. ’57) invented the handheld cellular phone. Today, more than 6 billion cell phones are in use worldwide.

Rajeev Chandrasekhar (M.S. CS ’88) was part of the Intel team that developed the Pentium chip. Today, each chip manufactured is engraved with his initials.

MMAE Professor Boris Pervan has worked with organizations including the Federal Aviation Administration and United States Navy to develop differential GPS solutions that can guide aircraft more accurately.

IIT’s Medical Imaging Research Center is leading multi-million-dollar funded research that is exploring advanced technologies to address diseases such as Alzheimer’s disease, heart disease, and various forms of cancer.
Driven to Innovate. Hardwired to Change.

Illinois Institute of Technology was founded in 1890 as a university that would prepare students from all backgrounds for meaningful roles in a rapidly changing industrial society. In the 1930s, the founders of the Bauhaus brought to Chicago and IIT a bold spirit of innovation—and new ways of thinking—that helped shape our distinctive type of education.

Today, more than 71,000 alumni continue this legacy of improving the human condition through science and a focus on technology—from Susan Solomon (CHEM ’77), who co-chaired the working group of the Nobel Peace Prize-winning Intergovernmental Panel on Climate Change, to entrepreneur Victor Tsao (M.S. CS ’80), founder of Linksys.

Legacy of Innovation

Technology is in our name, and that means it is important in what we do as a university. It means IIT is committed to innovation and providing students a rigorous, relevant, distinctive, technology-focused education.

Examples of our commitment to innovation are evident throughout the university. IIT’s Main Campus is home to the nation’s first Perfect Power smart microgrid—a laboratory for student and faculty research. Our Fluid Dynamics Research Center houses several large wind tunnels and is a U.S. Air Force Office of Scientific Research National Center of Excellence. IIT Institute of Design is recognized worldwide for its cutting-edge, user-centered methodologies.

Our focus on innovation permeates all academic majors. So does our integration of creativity and analysis. You will be immersed in an academic setting that will prepare you to think boldly and act thoughtfully—whether your major is humanities or engineering, and whether you aim to work in the private sector or continue on for your Ph.D.

IIT is a national, private, Ph.D.-granting research university that awards degrees in engineering, the sciences, architecture, law, design, psychology, humanities, applied technology, and business.
Our Campuses
IIT consists of five campus locations throughout the Chicago area. Main Campus, just a few minutes from downtown, is on the National Register of Historic Places and was named as one of “America’s most beautiful college campuses” by Forbes magazine. Our Downtown Campus and Institute of Design campuses are steps from major banks, law firms, corporations, and nonprofits. Rice and Moffett campuses offer convenient access for west-suburban commuter students.

IIT also offers many courses via IIT Online, making an anytime, anywhere education possible for working professionals.

Distinctive Education
Graduate instruction at IIT emphasizes hands-on learning, research, and field work, and integrates topics such as ethics and entrepreneurship. Options include master’s and doctoral programs (thesis required) and professional master’s programs (no thesis required).

Our colleges and graduate programs are nationally renowned. Even better: IIT has been named an educational “best value” by U.S. News & World Report, the Princeton Review, and Fiske Guide to Colleges.

IIT is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools, an independent corporation that accredits degree-granting post-secondary educational institutions in the North Central region.

Chicago: Your Kind of Town
Chicago is one of the world’s great cities. With the third-largest population in the United States, it is the home to people from nearly every country you can name. Chicago is globally renowned for its world-class architecture, museums, restaurants, and shopping. There is always something to do, from attending a Broadway-quality play to watching a pro ball game to dining in nearby Chinatown to walking along the stunning lakeshore.

Chicago-Style Access
As a center for industry and commerce, the Chicago area is incredibly diverse. Corporations from United Airlines to McDonald’s to Boeing to Google have headquarters and offices here. It is the home to several major medical centers and research laboratories. Top architecture firms and law offices are based here, too. As a graduate student, you will find countless opportunities to intern, conduct research, work, learn, and grow.

CHICAGO. CONNECTIONS WILL TAKE YOU THERE.
Our Graduate Students

Students from 69 countries around the globe attend IIT. Their reasons for pursuing graduate studies here are as varied as the students themselves. Some chose IIT because our technology focus makes us different than other schools. For some it was access to a top program, IIT’s entrepreneurship initiatives, or the opportunity to work in an emerging discipline.

All IIT graduate students have one thing in common: They are smart and creative. They are not only open to new ideas—but they also want to be the ones who create the big ideas of the future. You will graduate prepared to innovate and lead.

Be in Good Company

IIT alumni have changed the world. And they live in more than 140 countries around the world. The contributions of our graduate alumni are visible everywhere.

- Martin Cooper (EE ’50, M.S. ’57) invented the mobile handheld cellular phone.
- Rajeev Chandrasekhar (M.S. CS ’88) was part of the Intel team that invented the Pentium chip.
- Victor Tsao (M.S. CS ’80) founded Linksys, which he later sold to Cisco for $500 million.
- The Honorable Ilana Diamond Rovner (LAW ’66) is judge of the Seventh Circuit, U.S. Court of Appeals.
- John P. Calamos Sr. (ECON ’63; M.B.A. ’70) heads the global asset management firm Calamos Investments.
- Art Paul (Graduate Design) was the founding art director of Playboy.
- Mead Killion (M.S. MATH ’70) is credited with a number of “world’s first” titles for auditory products, including the world’s first “tubephone” insert earphone.

Your IIT education will provide you the training and relevant skills to join the league of some of the world’s great game changers. Make your mark.
Weslynne Ashton
Assistant Professor of Environmental Management and Sustainability
Stuart School of Business
B.S. Environmental Engineering, Massachusetts Institute of Technology; M.S., Ph.D. Environmental Science, Yale University
As director of the Industrial Ecology in Developing Countries program at Yale, Weslynne Ashton experienced one of her most significant accomplishments in Bangalore, India, where she worked with the nonprofit organization Resource Optimization Initiative. She is currently the principal investigator on a project that will create pathways to cleaner production in the Americas through integration of business, engineering, and environmental education.

Jennifer Kang-Mieler
Associate Professor of Biomedical Engineering
Armour College of Engineering
B.A. Mathematics, M.S. Applied Mathematics, Ph.D. Biomedical Engineering, Northwestern University
Jennifer Kang-Mieler was instrumental in establishing the Department of Biomedical Engineering at IIT as one of its first new faculty members. Her research focuses on retinal hemodynamics and cellular function, drug delivery, and biomaterial surface areas, and she has established significant relationships with the University of Chicago in educational and research areas.
She supervised the physical design and layout of four new teaching laboratories, has developed graduate courses for the department, and supervises several Ph.D. students.

Joseph Orgel
Associate Professor of Biology and Biomedical Engineering
College of Science
B.Sc. (Honors), Ph.D., University of Stirling (Scotland)
Joseph Orgel has made several significant contributions to the understanding of collagen structure and is an acknowledged leader in the fields of extracellular matrix structure and fiber diffraction. He is leading a research team that is studying how protein sequences persisting in dinosaur bone may offer clues for understanding closely related collagen forms found in humans. The team’s findings, published in the science and medicine journal PLoS ONE and featured in Nature, could usher in a new era of collagen-based medical applications.

Miles Wernick
Motorola Chair Professor; Electrical and Computer Engineering
Armour College of Engineering
B.A. Physics, Northwestern University; Ph.D. Optics, University of Rochester
Miles Wernick heads IIT’s Medical Imaging Research Center (MIRC), which is on the cutting edge of developments in medical imaging. MIRC focuses on three broad areas of research: developing new imaging devices and procedures, improving upon existing images using mathematical approaches, and using advanced computer algorithms for the computerized analysis of medical images and automated diagnoses. In addition, MIRC is now applying techniques developed in the medical imaging arena to a new field called predictive policing. Professors Wernick and Yongyi Yang recently secured a $3 million grant for IIT and the Chicago Police Department from the United States Department of Justice.

Our Faculty
Health behavior. Cyber security. Cloud computing. Financial engineering. Tall buildings. The smart grid. Battery technology. IIT faculty are conducting outcomes-based work in areas of increasing importance. They are advancing their fields—and changing our lives.

Our faculty are also excellent teachers. Since 2011, six IIT faculty members were the recipients of prestigious National Science Foundation CAREER Awards, given to the most-promising young teacher-scholars.

IIT faculty bring to the university a unique worldview that comes from experience living and working in and among other countries and cultures.

Learn from someone who will challenge you to ask “why not?”

- 90% of full-time instructional faculty hold doctorate or terminal degrees
- 439 full-time/350 part-time instructional faculty

Our Faculty
Research at IIT

IIT’s research focus can be summed up in one word: innovation. Whether implementing technology deployment in the emerging world or developing new forms of big-data storage, IIT research emphasizes bold solutions in areas of increasing global significance.

The word “interdisciplinary” is used frequently in higher education. At IIT, interdisciplinary research is a university strategic priority. Research themes focusing on energy and sustainability, and improving the quality of life, among others, transcend individual majors and encourage innovation across boundaries.

Research is central to the graduate student’s experience, and we take that seriously. Our cutting-edge facilities include ample room for student laboratory space. IIT’s six libraries offer access to more than 1.8 million volumes and more than 100 online research databases. IIT’s Chicago location, and corporate and research partnerships, provide countless opportunities for research and work.

As a co-op on the IBM Start Emerging Technologies team, Harsha Krishnareddy (M.S. ITM ’11) designed components of BigSheets, an IBM platform for managing big-data sets such as those gathered by Twitter.

University Technology Park at IIT

University Technology Park at IIT is a state-of-the-art research park comprising laboratories, office buildings, and an incubator to assist science and technology startups and growing businesses. Many of these companies provide IIT students a unique opportunity to obtain hands-on experience through internships and jobs—including work alongside faculty-entrepreneurs.

IIT Research Institute

IIT’s research affiliate, IIT Research Institute, is an independent, not-for-profit, contract research organization focusing on the life sciences.
Armour College has significantly increased externally sponsored research over the last four years, receiving awards exceeding $55 million.

Armour College of Engineering

IIT Armour College of Engineering has a long and proud history of educating engineers who are innovators and leaders. Today, our research strengths are aligned with national priorities and contribute to knowledge creation and invention.

Our roster of more than 100 full-time faculty members are engaged in fundamental and applied research leading to the development of new technologies of global impact. The college maintains internationally recognized research in the following areas: bioengineering, energy, power, sustainability, systems engineering, advanced materials, transportation, construction management, infrastructure management systems, urban systems, environmental engineering, image and signal processing, medical imaging, networks and communications, analog and digital electronics, computer engineering, smart mobility systems and robotics, cell and tissue engineering, neural engineering, and sustainable manufacturing.

Master of science and doctoral students conduct independent-minded, creative research in these areas. Professional master’s programs in emerging areas provide students concrete competence and marketable skills such as entrepreneurship and enhance their careers as industry professionals.
Our Master of Landscape Architecture program is the only professional M.L.A. in Chicago.

Our innovative Cloud Studio brings together students from all degree programs to research and design the new metropolis. Our program of visiting teachers and lecturers contributes directly to these projects, so that students are taught by the world’s leading architects, urban designers, landscape architects, artists, critics, and policy makers.

Chicago-Kent College of Law

Legal education at IIT Chicago-Kent College of Law is scholarly yet pragmatic, broadbased yet personalized, demanding yet anything but rigid. The energy at our law school derives partly from our proximity to Chicago’s fast-paced legal community and partly from the caliber of the people here and their passion for their work.

Faculty scholarship fuels our academic enterprise and brings a constant supply of fresh ideas to the classroom. Classes at Chicago-Kent are challenging and intensely engaging. Our low student-to-faculty ratio promotes day-to-day engagement with some of the most influential scholars and teachers in the nation.

Students receive a solid grounding in classical legal studies along with the professional skills required to put that knowledge to use. You’ll learn to think critically and broadly—and be prepared for success in your legal career.

- In 2014, U.S. News & World Report ranked Chicago-Kent College of Law highly for two of its programs: #6 for trial advocacy and #10 for intellectual property law.
- IIT is the first university in the U.S. to offer the Master’s in Intellectual Property Management and Markets, a unique, interdisciplinary degree program.
- Between 2010 and 2014, 89–97% of Chicago-Kent graduates who took the July Illinois bar exam for the first time received passing scores, exceeding the state pass rate for first-time takers by four to seven points.

College of Architecture

The College of Architecture at IIT is one of the largest and most international architecture schools in the United States. With more than 700 students from 50 countries and 100-plus faculty members, the school embodies the global metropolis in miniature. Our faculty includes international prize-winning architects, scholars, and engineers. Beyond the college, the city of Chicago provides the inspiration and the testing ground for our explorations, as students learn directly from one of the world’s greatest metropolises.

As IIT Architecture now focuses on a future of the global metropolis, it remains true to its legacy as a place of rigorous thinking and making. It is a place where how a thing is made matters—whether it be a door, a building, or a city. IIT Architecture is housed in Ludwig Mies van der Rohe’s masterful S. R. Crown Hall—a National Historic Landmark and one of the most significant buildings of the twentieth century.
College of Science

IIT College of Science offers graduate students from throughout the world access to 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 expands our knowledge of worlds beyond our own. The college's research endeavors are grounded in basic principles and modern technology, with a special emphasis on interdisciplinary inquiry and collaboration. 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 the knowledge might be put to real-world use.

This unique combination will have special value not only in addressing known problems but also equipping you to face the unknown problems of the future.

Institute of Design

IIT Institute of Design is dedicated to humanizing technology and improving the process of innovation by developing and teaching a methodological and human-centered approach to design. Students learn advanced design methods and frameworks such as problem framing, user research, and prototyping to help them address the large-scale, ambiguous problems facing companies, government, and civic organizations.

Faculty and students come from a wide variety of fields—design, engineering, architecture, business, the humanities, and a range of social sciences. All full-time faculty engage in research funded by industry, government, and foundations, and adjunct faculty are design professionals who work at the leading edge of practice.

Through executive education programs, annual conferences, and sponsored research, the school shares design methodologies with people and organizations around the world to help them build better products, services, and environments.

Innovation is at the heart of what we do and teach. Faculty participate in leading international research at CERN, Daya Bay, and other global sites; lead innovative studies in materials and biological structure with the Advanced Photon Source at Argonne; advance high-performance computing in the college’s Scalable Computing Software Laboratory; and more.

The college is the former home of Nobel Laureate in Physics Leon Lederman; the great mathematician Karl Menger; and alumna Susan Solomon (CHEM ’77), the first person to explain that man-made chlorofluorocarbons were destroying the ozone layer. Our graduates have included leaders, innovators, and entrepreneurs—from Victor Tsao (M.S. CS ’80), the founder of Linksys, to James Lemke (PHYS ’59), creative technologist and serial entrepreneur.
Lewis College of Human Sciences

IIT Lewis College of Human Sciences provides graduate students an education that emphasizes research focused on applied experiences. The programs instill within students an understanding of the need for evidence-based intervention, practice, and education, and help students maximize opportunities for professional functioning in industry, health care, academia, and post-doctoral training.

Your studies will allow you to work alongside respected faculty members who are leaders in their fields. Lewis College’s graduate programs in Rehabilitation and Mental Health Counseling, and Industrial/Organizational Psychology, consistently rank among the top in the United States. Technical communication is the sine qua non of today’s professional global service economy. Whether you are interested in business or mental health, policy or industry, research or practice, Lewis College of Human Sciences will help you achieve your professional and personal goals.

School of Applied Technology

IIT School of Applied Technology offers distinctive master’s programs designed for prospective and current industrial, IT, or food science and nutrition professionals. In hands-on, project- and laboratory-based programs, students learn theory, application, and business practices from full-time faculty and industry leaders with academic, research, and professional credentials.

Our graduate curriculum is at the leading edge of technology and is updated frequently to ensure relevance. Students learn to evaluate the issues, create a solution, present their findings, and defend their views. They complete projects that explore professional interests and provide a distinct advantage in job interviews. Students graduate prepared to be innovators, technology managers, or business entrepreneurs with a good balance of current technical knowledge, managerial, critical thinking, and leadership skills.

Master’s degree programs may be completed part time or full time through daytime and evening coursework. With the exception of the Cyber Forensics and Security program, many courses and some programs may be completed online.

School of Applied Technology offers programs in Cyber Forensics and Security, Food Safety and Technology, Food Process Engineering, Industrial Technology and Management, and Information Technology and Management.
Stuart School of Business

IIT Stuart School of Business focuses on the analytical, quantitative, creative, and interpersonal skills that business professionals need for success in the next economy. As the only business school in Chicago within a technology-focused university, Stuart is uniquely positioned to train students to excel in organizations where technology, sustainability, analytics, and innovation are key components of strategic competitiveness.

Stuart faculty hail from around the globe, with expertise in business as well as professional and scientific areas such as engineering, economics, physics, and mathematics. Our distinctive curriculum teaches students how to think about problems from multiple perspectives; how to formulate creative, innovative solutions; and how entrepreneurship can serve as a driving force of change. You’ll graduate prepared for what lies ahead.

- IIT Stuart is listed in Princeton Review’s “Best 296 Business Schools.”
- Our Master of Science in Finance is ranked #3 in the U.S. by the Financial Times.
- Ranked in the top 25 for environmental sustainability programs by the nonprofit organization Net Impact.

ACADEMIC PROGRAMS BY AREA OF STUDY

Applied Mathematics
Applied Physics
Architectural Engineering *
Architecture
Biological Engineering
Biology *
Biomedical Engineering
Biomedical Imaging and Signals *
Business Administration (M.B.A.)
Chemical Engineering *
Chemistry
Civil Engineering *
Clinical Psychology
Computational Decision Sciences and Operations Research
Computer and Electrical Engineering (dual degree) *
Computer Engineering *
Computer Science *
Computer Science and Applied Mathematics (MS-CDOR)
Computer Science and Chemical Engineering
Construction Engineering and Management *
Cyber Forensics and Security
Data Science *
Design
Design Methods
Electrical Engineering *
Electrical and Computer Engineering *
Electricity Markets *
Environmental Engineering *
Environmental Management and Sustainability Law
Family Law *
Finance
Food Process Engineering
Food Safety and Technology
Geoenvironmental Engineering *
Geotechnical Engineering *
Health Physics *
Industrial/Organizational Psychology
Industrial Technology and Operations *
Information Architecture
Information Technology and Management *
Integrated Building Delivery
Intellectual Property Management and Markets
Landscape Architecture
Management Science
Manufacturing Engineering *
Marketing Analytics and Communication
Materials Science and Engineering *
Materials and Chemical Synthesis *
Mathematics Education
Mathematical Finance
Mechanical and Aerospace Engineering *
Molecular Biochemistry and Biophysics *
Network Engineering *
Personnel and Human Resources Development
Physics *
Power Engineering *
Psychology
Public Administration (M.P.A.)
Public Works *
Rehabilitation and Mental Health Counseling
Rehabilitation Counseling Education
Science Education
Structural Engineering
Technology and Humanities
Technical Communication and Information Design
Technological Entrepreneurship
Telecommunications and Software Engineering *
Transportation Engineering *
VLSI and Microelectronics *

* indicates online study is available

It is the intention of Illinois Institute of Technology to act in accordance with all regulations of the federal, state, and local governments with respect to providing equality of opportunity in employment and in education, insofar as those regulations may pertain to IIT. IIT prohibits and will act to eliminate discrimination on the basis of race, color, religion, national origin, gender, sexual orientation, age, disability, or veteran status.

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