ILLINOIS TECH

DISCOVER. CREATE. SOLVE.
I
It begins right here—with me. Action and success arise from within. I hold the cards. And I am all in.

Will
Not can, not try, but absolutely will. Without a doubt.

I WILL
Discover a world beyond my imagination. Create and envision the new. Build, engineer, rethink, invent, start up, and design solutions that will change the world.

THROUGH

EDUCATION AND EXPERIENCE
At a one-of-a-kind university where action-based learning, global opportunities, and high value

Manifest from cutting-edge technology, state-of-the-art facilities, serious access, and a culture of innovation in the most exciting and high-impact fields.

In a city where a living laboratory surrounds you—and immerses you.

Giving you the power to say...

I will.

Go ahead, say it.

DISCOVER. CREATE. SOLVE. ILLINOIS TECH
Brianna McKenna  
(Biomedical Engineering 4th Year)  
Frankfort, Illinois

I will

- discover where language comes from
- create inclusivity in stories for children
- earn my black belt in taekwondo

“The small program size at Illinois Tech has allowed me to personalize my education. I was able to begin research as a sophomore, and I helped engineer a medical device by the time I started junior year through the IPRO Program. Using this hands-on experience and one-on-one guidance from my professors, I was able to discover my passion.”

Brianna is the president of The Gathering: IIT Magic Club and a tutor in the university’s Academic Resource Center. She co-chaired the Student Gift Committee, which raised funds to support a scholarship for fellow students in financial emergencies. She is also a Camras Scholar and an orientation leader, works as a community desk assistant in the residence halls, and takes classes with the Mixed Martial Arts club.

Illinois Tech’s location in Chicago provides you the best of both worlds: the excitement of living in an amazing global metropolis, combined with the comfort and small-town feel of attending a private university.

With endless options come unlimited opportunities to discover: diversity, inspiration, languages, landscapes, viewpoints, technology, history, future, surprises—and most important, yourself.

**150+ (and Counting)**

Illinois Tech students are smart, quirky, involved—and always exploring. If you’re into:

- Quidditch
- Theater
- Volunteering
- Music and radio
- Urban farming
- Skiing and snowboarding
- Dance
- LGBT issues
- Student government
- Journalism
- Or any number of other activities, you’ll find a student group for you.

**Want to organize your own group? You can do that, too!**

**Cool Student Academic Groups**

Perhaps your idea of a sporting event is building a robot that will totally crush the competition (literally and figuratively). Illinois Tech’s student academic groups at Illinois Tech let you put your ideas into action:

- Construct and build a hybrid racing car with IIT Motorsports
- Design a quadcopter in Illinois Tech Robotics or join the IIT Robotics Lab
- Test your Capture the Flag skills in HackIT
- Develop ways to hide covert files in an MP3 in the Cyber Forensics and Security Lab
- Pitch your idea for a cool new gadget in IIT CEO
- Design a structure and build it on location in another country
- Design a chainless, fluid-powered bicycle for a national competition
- And many more!

**DISCOVER.**

664+

Number of student events held on campus each year
Pumpkin Launch

That’s not your imagination—it’s just a pumpkin flying through the air. For 14 years Illinois Tech’s Pumpkin Launch has tested the engineering prowess of student teams who design and build trebuchets, catapults—you name it—to see whose contraption can hurl a pumpkin the farthest.

I will

- help design the future of American railroad infrastructure
- stay open minded about exploring the cultures of my local and international neighbors
- challenge myself to not fear trying new things

“I love Illinois Tech because its student body is full of creators and the administration supports us with space and funding. Paired with a campus located in the heart of Chicago, the railroad capital of North America, I’ve found great success both in my model railroad club and professional career.”

Daniel Rappoport
Civil Engineering 2nd Year
Mountain View, California

Daniel founded the Illinois Tech Railroad Club. The group, composed of more than 20 students from various majors, is building a model railroad layout using equipment in the Idea Shop. Daniel says his involvement helped him to land three internship offers after his first year at Illinois Tech.

IPRO Day

A rite of passage for every Illinois Tech student is IPRO Day. Held each semester, IPRO Day is like a high-octane open house, the time when students show off their big ideas and solutions developed through their IPRO coursework. Learn more about IPRO on page 14.

The Bog

This subterranean on-campus hangout has been a gathering space for students since 1962 (fact: it’s on the former site of an actual bog). Go bowling, play video games, or check out a band—and don’t forget to grab some of The Bog’s legendary waffle fries.

DISCOVER.

TRADITIONS
Colorific
Illinois Tech offers dozens of intramural and recreational activities ranging from soccer and cricket to martial arts, yoga, and table tennis. One of the most popular events is the annual campus Color Run, which typically draws 400 to 500 students.

esports Excellence
Illinois Tech’s competitive computer gaming program boasts some of the country’s top players. With more than 30 competitors and 240 members in our esports club, and a roster of competition and viewing events, Illinois Tech’s esports community runs deep.

Sports Success—Illinois Tech Style
The 2017 Scarlet Hawks men’s basketball team joined with Illinois Tech computer science students and faculty to develop winning strategies—and a national championship berth. Using data analytics, the computer scientists created game simulations and algorithms to help determine player lineups and other game-time tactics. Athletics and ingenuity combined, leading the team to a 22–6 season and the playoffs.

Illinois Tech is a member of NCAA Division III.
We’re proud of our legacy of excellent student-athletes. Our small, private university offers student-athletes personalized attention and one serious advantage: more opportunities for competition time.

Want to be a Scarlet Hawk athlete?
Visit www.illinoistechathletics.com and click the Recruits tab to complete a Recruit Me Form for the sport you are interested in playing.
Hey, Good Looking

Illinois Tech’s Mies Campus is on the National Register of Historic Places and celebrated as one of America’s “most beautiful college campuses” (Forbes).

Extra Extras: The Nosh
You’ll never go hungry at Illinois Tech. Our expansive dining options range from pizza to vegan, from tacos to gluten-free, and everything else you can pile on your plate. Students help to select the menus each semester, and our dining service offers a Teaching Kitchen where you can explore culinary and nutrition literacy. There is a lot more than traditional cafeteria service—check out on-campus locations for Moe’s Southwest Grill, Saffron Indian and Middle Eastern and Halal foods, Asiana Cuisine and Tea House, and Do-Rite Donuts.

Discovered.
YOUR NEW HOME

Sleep? Who, Me?
Let’s be real, Illinois Tech students know there’s plenty of time to sleep—say, sometime right around retirement. Until then, at least you can live on one of the most beautiful college campuses in the country, surrounded by friends, and in a safe space just steps from class.

When you’re studying, hanging out, or unwinding, you’ll find lots of amenities to make your stay comfortable:

• Ramped-up wireless connections
• 24/7 security
• Free laundry
• Cable
• Fitness rooms
• U-Pass prepaid transportation outside your door

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Gone Greek or Gone Geek?
You can do both at Illinois Tech. Our eight fraternities and three sororities break the old stereotypes, emphasizing academics, leadership, and community. You can be your own individual and be a part of a supportive community.
The home of the Italian beef, deep-dish pizza, and the Vienna hot dog (hold the ketchup!) is also the city that gave us the skyscraper, open-heart surgery, and reverse-flowing river technology. There’s no place else like Chicago, and we’re proud to call the Windy City our home.

Culture and Activities
Whether you’re into art, sports, music, food, improv, shopping, green spaces, museums, architecture, or all of the above and then some, Chicago is a vibrant city that welcomes you to define your own experience—and a place where you’ll never be bored.

Community
Midwestern nice sums up the Chicago vibe. We’re a big city where people look out for one another. More than 200 neighborhoods make up Chicago, including the funky and historic Bridgeport, Bronzeville, and Chinatown areas surrounding Mies Campus. This is a town with more languages than you can count and a place where the smile unites us.

Want More Music?
Chicago is internationally renowned for its music influence—gospel, jazz, blues, house. If you play an instrument, be sure to bring it with you. All Illinois Tech students can take classes at VanderCook College of Music, a highly renowned music school, which is located on our campus.

Thriving Tech Ecosystem
Chicago is a great global city (just ask Google, GrubHub, Boeing, Orbitz, or any of the thousands of other companies with headquarters here). What does that mean for Illinois Tech students? Access to jobs in a diverse range of industries including a fast-growing tech sector. Illinois Tech is a pipeline for talent in Chicago, a city where an Illinois Tech degree is recognized and rewarded.

One of the “top 10 cities for technology careers”—CIO Magazine

Organizations such as ChicagoNEXT of World Business Chicago partner with the mayor’s office and Illinois Tech for ThinkChicago, a program to connect students with leading tech companies and entrepreneurs who are driving innovation in Chicago.

Get Out and Get Around
Because of Illinois Tech’s proximity to downtown Chicago, you’ll find an abundance of convenient transportation on campus. Every Illinois Tech undergrad receives a Ventra U-Pass, which gives you unlimited access to CTA public transportation citywide.

Pick up a special Divvy pass for students, which allows unlimited bicycle rides throughout the city.
Fatima Azfar  
(Computer Science/M.S. Computer Science Co-Terminal 5th Year)  
Glendale Heights, Illinois

I will

- design and develop cutting-edge computer software
- continue to volunteer and work for nonprofit charity organizations in my local community
- integrate imagination and fun into my daily life, from designing murals to interacting with people

“Illinois Tech has given me both the technical ability to pursue my professional goals and exposure to many different kinds of people, from all nationalities and walks of life. These experiences have helped me discover who I am as a person, who I want to be—both professionally and personally—and where I want to go. Learning about my limits and my passions has given me the ability to plan out the straightest path to my future career.”

Fatima credits networking tips that she learned in IPRO and as a peer career coach for Illinois Tech’s Career Services in helping her to land an internship as a software engineer at a major tech-consulting firm in downtown Chicago. IPRO was also the catalyst for her commission to illustrate a mural reflecting “the international diversity of Illinois Tech students” in IIT Tower.

CREATE.

Hands On
Experiential
Action Oriented
Real World
Immersive
One of a Kind

All of these words have been used to describe Illinois Tech’s truly distinctive undergraduate educational experience. Illinois Tech’s signature programs are rooted in hands-on learning—and this experience is unparalleled at other universities. Our students are exposed to hands-on learning in their courses and outside the classroom, and they can experience it beginning in their very first year of study.

Interprofessional Projects (IPRO) Program

Since 1995 our IPRO Program has been a bragging right for Illinois Tech. It remains one of just a few programs like it in the country. IPRO joins students from various majors to work in teams to solve real-world problems, often on behalf of companies and nonprofits that sponsor the projects. IPRO allows you to gain firsthand experience working with engineers, scientists, business people, psychologists, technologists, and architects to attack a challenge and create smart solutions with measurable impacts.

The Supinator: An IPRO Case Study

Inspiration: For several years, Professor of Mechanical Engineering Kevin Meade, a clinical orthotist, led teams of students to Latin America to provide orthotic treatment to youngsters with scoliosis through IPRO. Then Meade suffered a stroke, causing him mobility loss on his right side.

Challenge: Meade’s former students created an IPRO project with the goal of tailoring a standing wheelchair called Mobilus to address Meade’s specific needs.

How They Tackled It: IPRO students divided into three groups: one was tasked with retrofitting Mobilus; the second interviewed and videotaped Meade to determine his needs; and the third group designed an arm therapy device they dubbed The Supinator, which attaches to Mobilus and helps the hand turn up and down.

Testing: Students worked with a local rehabilitation hospital to test the device, while one of Meade’s colleagues in Colombia piloted The Supinator there.

How They Engaged Others: Students in a capstone business class at Illinois Tech researched and developed four distinct business models for The Supinator.
“Experiential learning is key for students.”
—Clinical Associate Professor of Innovation Christine Miller

CREATE.

EXPERIENCES

“Experiences that let you soar”

Experience matters.
Your ability to apply the skills you have gained to real-world projects will make you a sought-after professional after you graduate. Employers and entrepreneurs alike tell us that Illinois Tech graduates stand out because they can do more than just recite information and ideas—they know how to actually do things.

Elevate is the umbrella organization that connects Illinois Tech students with these experiential learning opportunities. These include on- and off-campus research, internships and co-ops, study abroad, and additional opportunities such as short courses to further round out your education.

Idea Shop

Every idea needs fuel to be successful. Illinois Tech’s Idea Shop helps to ignite ideas with cutting-edge tools to help students transform their new products and inventions into reality. This state-of-the-art, rapid-prototyping lab houses 3-D printers and scanners, multiple CNC milling machines, a vacuum cutter, and laser former. Full-time staff advise students on everything from equipment use to product marketability. You can use the Idea Shop for a class project, research project, or your own personal endeavor.

“Experiential learning is key for students.”
—Clinical Associate Professor of Innovation Christine Miller

“Through my Armour R&D research project in partnership with Professor Kevin Cassel, I have been able to discover my passion for innovation in renewable energy. Designing alternatives to current renewable-energy systems allows me to unlock creativity within my engineering education. Illinois Tech has given me the opportunity to craft my technical classes toward my love for the environment, and I am truly getting an education perfectly designed for me.”

Maddy says two projects at Illinois Tech have introduced her to real-world problem solving: her IPRO course, which set up an automatic irrigation system for the university’s on-campus farm, UFarmIIT, and her Armour R&D Program project, which focused on manipulating flow fields around vertical-axis wind turbines. She is a Camras Scholar, Student Ambassador, and a member of Engineers for a Sustainable World; the university’s rock climbing club; and the campus theater group, 33rd Street Productions.

I will

- design efficient and effective renewable-energy systems to provide clean power to our quickly changing planet
- bring energy and technology to the villages without a voice across the world
- explore Alaska and take in the beauty and power of the undisturbed parts of our Earth

Experiences that Let You Soar

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Through Elevate, Illinois Tech students from every major can study abroad on six continents (all except Antarctica).

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“When I found out that there was a place at Illinois Tech entirely devoted to creation, I was blown away.”

- Alumnus Dane Christianson (Mechanical Engineering ’15) built all 52 moving parts of his X-Cube twisty puzzle using 3-D printers in the Idea Shop while a student at Illinois Tech. The X-Cube is now sold at Mabroks and Barnes & Noble.

Maddy Urig
(Mechanical Engineering 3rd Year)
Cleveland, Ohio

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In the Design/Build studio, led by College of Architecture professors Frank Flury and Colleen Humer, students experience firsthand the entire life cycle of a small-building project. Students conceptualize, draft, design, and build a structure from the ground up, and they construct their projects around the world. The program has taken students to Indonesia, Ghana, Japan, New Orleans, Chile, Germany, and in the summer of 2018 to Puerto Rico, where students built a community building that allows local citizens to cook for themselves and others. The project in Chile earned students a 2018 Small Project Honor Award from the American Institute of Architects Chicago.

Andrew Jiang
Architecture 4th Year
Madison, Wisconsin

I will
• create resilient architecture through the use of transdisciplinary techniques
• invest my time to help communities in need
• call you...maybe

“Illinois Tech has the resources of the city, its supporters, its staff, its alumni, and students that are unparalleled to other universities in the area. The hands-on learning that Illinois Tech offers leads you to discover yourself to solve problems in creative fashions that not only apply to the problem at hand but to everything you do from here on out.”

Andrew is chapter president of the American Institute of Architecture Students and interns at an architecture firm in downtown Chicago.
SOLVE.

Illinois Tech students are committed to solving the world’s grand challenges. They come to our university to learn from world-renowned faculty who share their desire to change the world. This is Illinois Tech’s legacy—one that our all-star alumni have helped to perpetuate over more than 128 years of innovation.

Pushing the Frontier of Science

In Assistant Professor of Chemistry Jean-Luc Aytilo’s lab, undergraduates participate in novel research that strives to make photosynthetic devices and solar cells more efficient. In addition to teaching and research, which is supported by the National Science Foundation CAREER Award, Aytilo started an outreach program called VISIBLE, Virally Scientific. Curious for Underrepresented Undergraduate Students to help encourage diversity in chemistry and STEM, and to guide Illinois Tech students through the graduate school process. As part of the initiatives, students serve as ambassadors for STEM research on Chicago’s South Side and in their respective communities.

“IT is important for me to go out there and help other scholars, other students, other minority students, and also mentor them to practice STEM disciplines and not be afraid to explore the unknown frontier of science,” says Aytilo.

Katja Berthold
(Mechanical Engineering 2nd Year)
Honolulu, Hawaii

I will

> be the first female mechanical/aerospace engineer to travel to Mars
> visit 30 countries by the time I am 30 years old
> perform at the Super Bowl with Shawn Mendes

“Coming from a small island in the middle of the Pacific Ocean, Chicago feels like a world of endless possibilities and opportunities. Through Illinois Tech I’ve gotten to visit some of the largest national laboratories, such as Argonne and Fermilab, and have reached out to other companies throughout the city. Even in my entry-level engineering classes I’ve learned important skills such as teamwork and problem solving.”

As part of a program that allows Illinois Tech students to take classes at VanderCook College of Music, Katja studies classical voice there, specializing in classical operas. She sings in VanderCook’s jazz band and performs at local gigs. She says she used to be afraid to acquire a clogging permit; as you may find her performing in a train station soon. Katja is a Student Ambassador and a member of Union Board, Society of Women Engineers, American Institute of Aeronautics and Astronautics, and American Society of Mechanical Engineers.

Game On
Carly Kosurtek, assistant professor of digital humanities and media studies, is a cultural historian who studies new media technologies and video gaming. She loves to play her Atari 2600 and Game Boy consoles growing up, and in college turned to the social side of gaming, exploring the intersections of gender, technology, and gaming. She conceptualized and produced the internationally exhibited serious computer game Choice: Texas, about reproductive health care access issues, and a new experimental, academic alternate reality game about steganography. She authored Closet-Operated Americans: Wallowing Boyhood at the Video Game Arcade, which looks at the early rise of video game arcades in the U.S., and Brenda Lar На: Pioneering Games for Girls, which looks at how market-based incentives and access to capital might spur smaller enterprises in Central America to adopt cleaner production practices.

Her work is also impacting businesses in Illinois Tech’s own backyard. Along with students, she is researching how a vertical agriculture facility near the university’s campus can incorporate better sustainability practices, such as improved energy and water use, to benefit the building’s tenants. In 2018 she was awarded the prestigious Jefferson Science Fellowship.

Green and Mean(ingful) Manufacturing

Just as more companies are discovering the economic upsides of selling green products, more manufacturers are exploring how to integrate sustainable practices into the way they make products. Envisor Wedgeye Ashton, associate professor in Stewart School of Business. She is bridging the gap between university-level theory and common manufacturing practice through a U.S. Department of State-supported research project whose work looks at how market-based incentives and access to capital might spur smaller enterprises in Central America to adopt cleaner production practices.

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Things that Make You Go "Hmmmmmm..."

With tech advancing nearly as fast as tachyons lose energy. It can take a lot to impress us. Nonetheless, Industry Associate Professor of Information Technology Jeremy Hajek and his students continue to keep us on our toes. Hajek was named among Chicago Illinois his/her researches who won us' for developing drones that can fly themselves. Students in this Smart Tech: Embedded Systems Lab work alongside Hajek, developing drones, mobile apps, wearable tech, and other cool projects such as large-scale immersive holograms.

95% of all full-time instructional faculty members hold a doctorate or terminal degree
It Begins with an Idea

Robin conceived of her nonprofit, Kranti, while studying global women’s movements with one of her favorite Illinois Tech professors, Margaret Power, as an undergraduate. Today, Kranti, located in Mumbai, India, empowers young women to become agents of social change. Ranging in age from 12–20, the women at Kranti are survivors of human trafficking and daughters of sex workers. Kranti transforms the lives of these women by providing them with housing, mental health counseling, education, and the opportunity to volunteer in their communities. Kranti students have shared their stories across the globe, and Robin has been recognized worldwide. She was a top 10 finalist for the 2016 Global Teacher Prize, known as the Nobel Prize for teaching, and named one of “25 Women Under Age 25 to Watch” by Newsweek.

“I’ve been fortunate in my life, but IIT was one of my luckiest choices. The fundamentals I learned at IIT have been my guiding light in everything I’ve done.”

—Marty Cooper (Electrical Engineering ’50, M.S. ’55), inventor of the cell phone

Move Over, Einstein

Ordinarily, three patents in a single day would represent a banner achievement for a software engineer. Even three patents spread over the course of a career would constitute an impressive body of work. Yet for Jason Resch (Computer Science ’06), a notice from the United States Patent and Trademark Office means it’s just another day. In all, Jason has now racked up 1,084 patents, with more on the way, since joining Chicago-based cloud-storage company Cleversafe (now part of IBM) as an Illinois Tech undergraduate in 2005. That’s on par with the number of patents Thomas Edison counted in his entire lifetime.

Liftoff!

Just five years after earning his undergraduate degree, Jason Tenenbaum (Aerospace Engineering ’07) helped launch a spacecraft as an engineer for SpaceX. Jason worked on the Dragon spacecraft by helping to complete all of the rigorous testing and analysis required by NASA. It was the first commercially produced cargo flight to the International Space Station. “I couldn’t ask to be in a more exciting place in the space industry right now,” Jason says. “It’s a huge challenge to develop a brand new spacecraft, complete all of the rigorous testing and analysis required by NASA, and then not only fly it to the space station but also return it back to Earth. The team at SpaceX that made this a reality is a phenomenal group of people, and I feel really lucky to be a part of it.”

Illinois Tech alumni are solving some of the thorniest issues of our time. When you graduate you’ll be prepared to join them in the get-ahead-and-change-the-world club.

And when we say the world, we mean all 3,959 miles of it. Our alumni are in more than 128 countries and all 50 states.
Academic Programs

Illinois Tech offers undergraduate programs in the following colleges and schools:

- Armour College of Engineering
- College of Architecture
- College of Science
- Chicago-Kent College of Law
- Institute of Design
- Lewis College of Human Sciences
- School of Applied Technology
- Stuart School of Business

In addition to the undergraduate programs offered by each of these six colleges, students may go on to attend graduate school in any of these same colleges, or in one of Illinois Tech’s two other colleges:

- Chicago-Kent College of Law
- Institute of Design

If you have a lot of ideas about what you want your major to be, it’s OK. You’re not alone. If you choose to come to Illinois Tech as undecided, you can delay your selection of a major until your second year.

To learn more about academic programs and co-terminal degrees, please visit the following links:

- [admissions.iit.edu/undergraduate/programs](http://admissions.iit.edu/undergraduate/programs)

Special Academic Programs

**Academic Minors**

You can broaden your skills and pursue your other academic interests with a minor in one of a number of areas of study.

Just a few examples of academic minors include:

- Artificial Intelligence
- Cyber Security Foundations
- Information Architecture
- Game Studies and Design
- Internet Application Development
- Entrepreneurship
- Human Resources
- Public Administration
- Military/Naval Science
- Environmental Engineering
- Engineering Graphics and CAD
- Rehabilitation Services
- Leadership
- Literature
- History
- Music
- Urban Studies...and many more!

**Combined Undergraduate/Graduate Law Programs**

(leading to B.S/J.D. degrees)

Begin your trajectory to law school during your undergraduate years. Illinois Tech is one of only a tech-focused universities with a law school. Law school classes are taken at Illinois Tech’s Chicago-Kent College of Law. Students have access to pre-law advising and LSAT preparation assistance.

- B.S./J.D. in Finance
- B.S./J.D. in Environmental Law
- B.S./J.D. in Intellectual Property

**Dual Admission Programs**

In addition to pre-medical studies, Illinois Tech offers several dual-degree programs that provide pathways to a medical career:

- Illinois Tech/Midwestern University Chicago College of Osteopathic Medicine (B.S./D.O)
- Illinois Tech/Illinois College of Optometry (B.S./O.D.)
- Illinois Tech/Midwestern University Chicago College of Pharmacy (Pharm.D. 2+3)
- Illinois Tech/Lake Erie College of Osteopathic Medicine (B.S./D.O., B.S./Pharm.D., or B.S./O.D.)

**Pre-Health Programs**

At Illinois Tech science, engineering, and technology are in our DNA. If you’re interested in going to medical school one day, our pre-med program can give you the best of both worlds—rigorous training and personalized academic experiences—and prepare you to get in.

We offer joint programs in medicine that can lead to a B.S. degree from Illinois Tech and either a D.O. or O.D. degree from Chicago-area schools. Or you can minor in pre-medical studies, which ensures completion of all prerequisites for entrance into medical school and prepares you for your M.D. year.

Illinois Tech’s Mies Campus is minutes away from some of the country’s best hospitals, and many of our faculty conduct research with leading medical schools. You’ll find opportunities for experience right here in Chicago.

**Co-Terminal Degrees**

Illinois Tech offers a special program that allows you to complete both your bachelor’s and master’s degrees in as few as five years. Illinois Tech offers you to keep your undergraduate scholarships in your fifth year.

Examples include:

- B.S. in Applied Mathematics/ Master of Data Science
- B.S. in Information Technology and Management/ M.S. in Cyber Forensics and Security
- B.S. in Physics/M.S. in Health Physics
- B.S. in Biochemistry/M.S. in Food Safety and Technology
- B.S. in Social and Economic Development Policy/ Master of Public Administration
- B.S. in Civil Engineering/M.S. in Environmental Engineering
- B.S. Business Administration/M.S. in Finance
- And over 50 more!

It’s focused, highly specialized, saves you money—and you can earn your second degree in one of more than 50 areas.

**Biology/Psychological Science Double Major**

- B.S. in Biology/B.S. in Psychological Science

Earn two degrees simultaneously in this challenging program geared toward pre-health students. You’ll differentiate yourself when applying to medical school: programs in public health, genetic counseling, or related areas; or graduate programs where biology and psychology intersect (e.g., neuroscience, brain science, and cognitive science).
Armour College of Engineering

Armour College of Engineering has been educating world-class engineers since the university's founding in 1890. As a twenty-first-century engineering student, you'll learn the principles of your profession and work in an interdisciplinary environment that emphasizes hands-on learning, teamwork, and leadership.

Our newly renovated John T. Retallick Engineering Center is designed specifically to encourage an interaction of ideas, featuring spaces where you and fellow students can work together to develop the next innovative idea.

At Armour College we integrate innovative thought, entrepreneurship, creativity, and design with engineering theory, research, and practice. You get the chance to work on projects that are normally open only to graduate students and to apply what you’ve learned in the classroom to complex problems facing today's global society.

IT Engineering Themes and Armour R&D

We enhance our classroom experiences with “extras” through our IT Engineering Themes program, such as lecture series, forums, interactive problem-solving exercises, professional site exploration, and team-intensive engineering projects that focus on water, health, energy, and security. Our automated IT Engineering Themes Portfolio will aid you in building a personal online portfolio of your work.

The Armour R&D program allows you to take part in fundamental and applied research projects that address global challenges under the direct guidance of faculty mentors. The year-round sponsored program aims to give select students the opportunity to work in an interdisciplinary environment where they will be challenged to develop the next innovative idea.

Undergraduate Programs Bachelor of Science (B.S.) Degrees in:

- Aerospace Engineering
- Architectural Engineering
- Biomedical Engineering (Cell and Tissue Engineering, Medical Imaging, or Neural Engineering)
- Chemical Engineering
- Civil Engineering
- Computer and Cybersecurity Engineering
- Computer Engineering
- Electrical Engineering
- Engineering Management
- Materials Science and Engineering
- Mechanical Engineering
- Dual degrees (B.S. in both Electrical Engineering and Computer Engineering)
- Engineering Graphics and CAD Curriculum (Certificate)

engineering.iit.edu

Innovation and opportunity await you at Armour College of Engineering.

College of Architecture

The College of Architecture teaches students how to see architecture through a different lens—and how to become self-constructors who glaze knowledge from the world around them. Our B.Arch. curriculum is centered on a studio sequence of increasing complexity. You’ll study topics from the basic building elements to the complex city itself.

In addition to design, the courses include architectural history and theory, building technologies, structures, design communication, and professional practices as well as a range of courses beyond architecture.

A five-year, NAAB-accredited professional degree allows you to enter the workplace with a degree recognized as a prequalification for licensure at state registration boards.

The college has more than 600 students from 50 countries and 100-plus faculty members. Ninety-five percent of our faculty are practicing architects.

The College of Architecture's Bachelor of Architecture program is ranked first in the Midwest and 230 in the country (DesignIntelligence).

Design/Build and Cloud Studios

Springing from the legendary workshops of the Bauhaus, Rhine-Tech teaching remains rooted in the connection between design and making.

today, you can expect that connection in our 14,000-square-foot Materials Workshop. In this inspiring industrial space, designed by Ludwig Mies van der Rohe, you’ll physically engage with a multitude of tools, materials, and techniques. In Design/Build studios, you and fellow students will collectively design and construct full-scale buildings—fulfilling the notion of a “hands-on” education.

Cloud Studios are a school-wide educational and research laboratory in which students from all degree programs work together on research and design topics related to the metropolis. Our program of visiting teachers and lecturers contributes to these projects, so you learn directly from the world’s leading architects, urban designers, landscape architects, artists, critics, and policymakers.

Undergraduate Programs Bachelor of Architecture (B.Arch.)

Our Cloud Studio program allows B.Arch. graduates to apply five-year studios toward the M.S. in Architecture or the Ph.D. in Architecture.

Bachelor of Architecture (B.Arch)/Master of Science in Architecture (H.S. ARCH)

The co-terminal B.Arch., M.S. in Architecture degree program is designed to prepare students for doctoral studies or professional careers. Students who complete the program within six years are also allowed to continue their studies toward our Ph.D. in Architecture degree, including credit transfer of up to 32 credit hours.

arch.iit.edu

Lewis College of Human Sciences

Lewis College of Human Sciences rest at the nexus of knowledge, methods for discovery, human thought, and action. Because, in the end, the study, development, and use of technology and science have little meaning or relevance if disconnected from people.

Our technology-focused education emphasizes the free spirit and broad perspectives of a traditional liberal arts program. Our faculty are dedicated to bridging the gap between theory and application, and ideas and accomplishments. You will learn how to address compelling human problems through practical research projects and benefit from class sizes that purposefully are kept small in order to increase your interaction with some of the best professors in the country.

Applied Research with Relevance

Though hundreds of colleges and universities offer programs in the humanities, social sciences, and psychological sciences, Lewis College students have the advantage of studying alongside engineers, architects, scientists, and business people. We regard mentorship and cross-disciplinary networking as cornerstones of our distinctive education. If you are interested in research, our Undergraduate Research Day allows you to explore a relevant topic and showcase your findings in a public forum.

Undergraduate Programs Bachelor of Science (B.S.) Degrees in:

- Applied Analytics
- Behavioral Health and Wellness
- Biology/Psychological Science
- Dual Degree
- Communication
- Computational Chemistry and Biochemistry
- Computer Information Systems
- Computer Science
- Corporate Research with Relevance
- Environmental Chemistry
- Forensic Chemistry
- Medical Chemistry
- Molecular Biochemistry and Biophysics
- Physics
- Psychology
- Pre-Health Professions Program
- Public Health
- Statistics
- Lewis College of Human Sciences

Undergraduate Research Stipends

We offer a number of 50,000 College of Science Undergraduate Summer Research Stipends so that select college undergraduates can conduct research for 10 weeks during the summer. This financial support allows students to participate in research work between school terms and to catalyze their scholarly activities and productivity.

Undergraduate Programs Bachelor of Science (B.S.) Degrees in:

- Applied Mathematics
- Astrophysics
- Biomedical Chemistry
- Bioinformatics
- Biostatistics
- Biology
- Chemical Engineering
- Chemistry
- Computer Science
- Digital Humanities
- Electrical Engineering
- Environmental Chemistry
- Global Studies
- Forensic Chemistry
- Molecular Biochemistry and Biophysics
- Physics
- Psychology
- Social and Economic Development Policy
- Pre-Health Professions Program
- Statistics
- Lewis College of Human Sciences

departmental website for more information.

Dual Admission Honors Law Program

Open to all Illinois Tech majors, you can earn your B.S. from Illinois Tech and a J.D. from Chicago-Kent College of Law in six* years instead of seven.

*Due to program requirements, engineering and architecture students would earn their B.S. and J.D. degrees in seven years.

Dual Degree Programs

- Bachelor's and master's degree programs
- Bachelor's and doctoral degree programs
- Master's and doctoral degree programs
- Master's and professional degree programs
The School of Applied Technology combines a hands-on, industry-based, project-focused approach with an understanding of how management principles apply to technology. You’ll learn the disciplines of management, development, technology and theory, operations, and security—and the professional skills to be a corporate innovator and tech entrepreneur.

**Project-Based Learning**
Industry-sponsored projects provide you with opportunities to work in group situations and to produce portfolios of your work. Faculty with significant industry experience will teach your classes and help guide your professional development. You will make presentations both in class and at professional events, and document your projects in academic publications. Like other SAT graduates, you’ll be able to demonstrate what you have accomplished—and not just what you have learned.

Recent student projects have addressed:
- Providing ITD operators the indoor location of people making emergency calls on mobile phones
- Creating a SIP-based telephone service for the Illinois Tech community
- Wearable computing and clothing-based proximity sensors for the visually impaired
- Cyberforensics, steganography, and security

**Undergraduate Programs**
Bachelor of Industrial Technology and Management (transfer students only)
Option to complete a graduate-degree simultaneously with your undergraduate degree

**Specializations**
- Systems Security
- Data Management
- Internet Development and Applications
- IT Entrepreneurship and Management
- Software Development
- System Administration
- Networking and Communications

**Stuart School of Business**
Illinois Tech’s Stuart School of Business is the business school of choice for those who expect more than just a typical degree in business administration. It’s a new type of business education for those who want to be leaders in the next economy—and in a world where technology is the foundation of innovation. This degree translates into a real-career advantage, preparing you with the skills needed to make a meaningful impact on organizations, success.

Our programs emphasize analytics and quantitative methodologies, hands-on learning, and real-world problem solving. You’ll learn how to collaborate with—and lead—interdisciplinary teams working on highly innovative, technology-driven projects.

**Entrepreneurship**
Stuart classes include a focus on entrepreneurship and innovation, and feature numerous opportunities to work on projects for real clients in the Chicago area. Outside of the classroom, a variety of entrepreneurial and financial student competitions allow you to apply your skills and gain recognition from your peers and future employers.

**Undergraduate Programs**
Bachelor of Science in Business Administration (B.S.)
Bachelor of Science in Public Administration (M.P.A.)
Bachelor of Science in Management (B.S./M.S.)
Bachelor of Science in Marketing Analytics
Bachelor of Science in Business Administration (B.S.)

**Specializations for Business Majors**
- Applied Mathematics
- Information Technology
- Architecture
- Life Sciences
- Construction Management
- Marketing
- Environmental Management
- Mechanical Engineering
- Finance
- Psychological Science
- Human Resource Management

**Minors for Non-Business Majors**
- Minor in Business
- Minor in Economics
- Minor in Entrepreneurship

**Finding the Right Fit for You**
Computer Engineering, Computer Information Systems, Computer Science, or Information Technology?
You love tech. Computers, coding, the industry—what makes it all stick. You know you want to work in this field, you’re just not sure which major is best for you.
At Illinois Tech we’ll help you find the right path. Here are four academic majors that students often choose between, and a bit about each degree program.

**Computer Engineering**
Are you drawn to the electrical and hardware components of computing? If yes, then computer engineering may be the way to go. You’ll study everything from microprocessors to embedded computing devices to laptop and desktop systems to supercomputers. You will work on how data is communicated among electronic components, how software is written for specific hardware platforms, and how microprocessors are designed and optimized from an electrical engineering viewpoint.

**Computer Information Systems**
This program emphasizes the use of computers as sophisticated problem-solving tools. Students in this program pursue an interdisciplinary course of study that combines a solid foundation in computer science with a focus in another discipline. This program is designed for students who seek to blend their computer science abilities with skills specific to another domain to solve problems in that domain. Examples include computing with abusiveness focus (e.g., management information systems) and computing with a natural science focus (e.g., computational physics).

**Computer Science**
Our computer science program emphasizes software engineering throughout the curriculum, which gives our students an advantage in the most challenging CS positions. That, along with a thorough computer science theory sequence, will provide you with the basis for fundamental technology innovation. In the long term, this will be a difference maker in your career. Illinois Tech is also growing our computer science faculty in the hottest research areas—including cloud computing, cybersecurity, social networking, and data science.

**Information Technology and Management**
This major is about knowing and managing IT—and translating it into a useful business tool. Our ITM program integrates theoretical principles with applied, hands-on laboratory and project collaboration. You’ll learn about a variety of IT Fields, including web and application development, system architecture, networking, database systems, systems security, contemporary programming languages, and more.

**ITM Specializations**
- Data Management
- IT Entrepreneurship and Management
- Networking and Communications
- Software Development

**Not sure if any of these are right for you?**
Illinois Tech has many other tech-centered programs, including digital humanities, bioinformatics, applied analytics, and business with a tech specialization. Our admission counselors can walk you through the options, and we can connect you with professors in a given major who can provide you more details.
How To Apply

If you haven’t applied to Illinois Tech yet, it’s time to get started. Here’s how to begin!

1: COMPLETE AN APPLICATION FOR ADMISSION
Apply online using the Common Application (apply.commonapp.org).

2: LETTER OF RECOMMENDATION
Choose a teacher who knows you well and can write about your strengths as a student. One letter is required, and up to three letters are accepted. Your teacher(s) can submit letter(s) electronically through the Common Application.

3: HIGH SCHOOL/SECONDARY SCHOOL TRANSCRIPTS
Ask your high school counselor to submit your official high school/secondary school transcripts to the Office of Undergraduate Admission.

4: TEST SCORES
Send official ACT or SAT I scores to the Office of Undergraduate Admission. Illinois Tech’s ACT code is 1040; the SAT code is 1318.

Mailing Address
Illinois Institute of Technology
Office of Undergraduate Admission
10 West 33rd Street
Perlstein Hall, Room 101
Chicago, IL 60616

“Being at Illinois Tech has been a phenomenal experience. Because of the Camras Scholarship, I have been able to come live in a city far from home—something that would never have even crossed my mind. It sometimes feels like a dream!”
—Conner Corbett (Architecture 3rd Year), Clearwater, Florida

Application and Special Scholarship Deadlines
Submit your application as early as possible. Our admission counselors can guide you through the process and answer any questions you and your family may have. Some dual-degree programs and scholarships have special deadlines (see below).

SPECIAL SCHOLARSHIPS DEADLINES
December 1: Camras, Crown, Duchossois, Leadership Academy

DUAL ADMISSION PROGRAMS DEADLINES
December 15: B.S./D.O.
February 1: Pharm.D.
March 1: Lake Erie College of Osteopathic Medicine Early Acceptance
August 1: B.S./J.D.

ROLLING ADMISSION DEADLINES FOR FALL 2019 ADMISSION (classes begin August 2019)
May 15: Admission deadline for international students living outside the U.S.
August 1: Admission deadline for students living in the U.S.

NOTIFICATION PROCESS
Illinois Tech announces decisions beginning in October and within a few weeks of receiving your completed application materials.

“Like” Talon on Facebook to learn the latest news about deadline reminders and application tips. facebook.com/TalonTheScarletHawk

“I chose to apply to Illinois Tech because of its ranking as a top school for return on investment, but I wasn’t sure I would even be able to afford that initial investment because my mom is a small-town teacher and my dad is a manual laborer. I was lucky enough that Illinois Tech noticed my potential and awarded me with a scholarship.”
—Elizabeth Wolf (Biomedical Engineering 3rd Year), Anna, Illinois

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—Elizabeth Wolf (Biomedical Engineering 3rd Year), Anna, Illinois

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—Conner Corbett (Architecture 3rd Year), Clearwater, Florida

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Illinois Tech is looking for students of high academic caliber who contribute to their communities and have a strong work ethic. In the application we evaluate your academic standing, extracurricular activities, and community-based leadership involvement. We also like to hear why you think an education at Illinois Tech would help you pursue your academic and career goals, and how you could contribute to the Illinois Tech community.

Be specific. We want to hear your story!

Illinois Tech has Reserve Officer Training Corp (ROTC) programs for the Army, Navy, Marines, and Air Force. ROTC students received some of the best financial aid benefits in the nation—from tuition and fees balance payments to room and board.
Financing Your Degree

Think college is expensive? It’s important to consider not just the cost of your education but also the long-term value. Illinois Tech creates opportunities in the most in-demand fields—and the returns for our graduates in both the workplace and their daily lives are well documented.

Learn more about financial aid: iit.edu/financial-aid

The Financial Aid Process at Illinois Tech

Receive scholarship award letter upon admission to Illinois Tech

Submit FAFSA online


Mid-February: Receive a complete award package

Tuition

$45,872
2018–19 undergraduate tuition

Room and Board

$13,192
On-campus room and board costs vary depending on selection of campus housing and meal plan. Costs estimated for housing based on FAFSA housing selection (on-campus, off-campus, with parents).

Fees

$1,774

Family’s Adjusted Gross Income Average Scholarships and Grant Aid

Family’s Adjusted Gross Income

$0–45,000

$44,000 Total Scholarships and Grant

$46,000–85,000

$40,000 Total Scholarships and Grant

$85,000–135,000

$36,500 Total Scholarships and Grant

$135,000 and above

$30,900 Total Scholarships and Grant

2017–18 freshmen FAFSA filers
Includes state, federal, and institutional monies

To help determine your eligibility, please use our net price calculator at www.collegecostcalculator.org/iit

Need-Based Grants

These are awarded to students with need, as determined by the Free Application for Federal Student Aid (FAFSA). Many students who do not qualify for federal or state aid will qualify for institutional grants. Just a few of those scholarships are listed on the next page.

Wondering whether you can afford such a great education? Just ask yourself: Can I afford to pass it up? More than 98 percent of our students receive some form of financial aid—so we’ve had a lot of practice delivering on our promise to make an Illinois Tech education affordable for you.

Scholarships

Special Scholarships

Illinois Tech’s special scholarships make college affordable. Some scholarships range from full tuition to housing, while others also offer summer research stipends. Most of these scholarships require an additional application and/or interview.

Special application required, apply by December 1

Duchossois Leadership Scholars Program

Elite scholarship program for top students from across the country who have demonstrated exceptional leadership potential and academic success in their projected fields (tuition, room, and board)

Crown Scholarship

The College of Architecture’s most prestigious and selective scholarship (tuition)

Leadership Academy

Prestigious full-tuition scholarship and experiential leadership program (tuition)

No additional application needed, apply by December 1

Collens Scholars Program

Students with significant need who are graduating from a Chicago public high school or a Chicago charter high school (tuition, fees, and a housing scholarship; must submit application to Illinois Tech by January 15 and submit FAFSA by January 15)

For a complete list of scholarships, visit admissions.iit.edu/undergraduate/finances/scholarships

“Illinois Tech puts its emphasis on setting you up to succeed after school. Period. It’s worth every penny.”

— Amy Kamin (Digital Humanities ’18), Farmington, Missouri

Affordable.

All full-time, first-year students are automatically considered for the Heald Scholarship upon application for admission to Illinois Tech. The Heald Scholarship is a merit-based scholarship ranging from $10,000–$25,000.

Special application required, awarded on a rolling basis

Illinois Tech/FIRST Scholarship

For students who participated in a FIRST Robotics Competition or a FIRST Tech Challenge in high school ($25,000; application must be submitted no later than January 15)

Illinois Tech/VEX Scholarship

For students who have participated in a VEX Robotics Competition team in high school ($25,000; application must be submitted no later than January 15)

Chicago Police and Fire Departments Scholarship

Awarded to children and grandchildren of members of the Chicago Police Department, Chicago Fire Department, and Chicago Paramedic Department ($20,000; application must be submitted with application for admission)

Duchossois Leadership Scholars Program

Elite scholarship program for top students from across the country who have demonstrated exceptional leadership potential and academic success in their projected fields (tuition, room, and board)

Leadership Academy

Prestigious full-tuition scholarship and experiential leadership program (tuition)

No additional application needed, apply by December 1

Camras Scholarship Program

Selective scholarship program for top students, aimed at helping them become excellent researchers, leaders, and community-oriented individuals (tuition)
In 1890 Illinois Institute of Technology was founded in order to lift up people of all backgrounds with an education that would help them meet the needs of the age. Rankings based on the United States Department of Education College Scorecard, which offers the public access to years of federal government data on U.S. colleges and universities, show that 128 years on, Illinois Tech is fulfilling its mission.

Success in college depends on many factors. While Illinois Tech can help graduates earn more, it is important to know that earnings data is just one measurement of college success. Other important measures include student satisfaction, student engagement, and student success rates. Illinois Tech offers many resources to support student success, including academic and personal advising, career services, and student support services.

In Illinois and在全国范围内

Private college 20-year mid-career earnings/ROI — PayScale

在伊利诺伊州和在全国范围内

20-year mid-career earnings/ROI after financial aid — PayScale

在伊利诺伊州和在全国范围内


学生贷款违约率

2.7% student loan default rate compared to the national default average of 9.3%

平均年度自付学费

$4,482 average annual out-of-pocket tuition after scholarships and grants paid by Illinois Tech undergraduates from households earning $45,000 or less

学生和家庭

Parents and families! Illinois Tech welcomes you to learn more about our university. Our online forum just for parents and families provides information about connecting a student with Illinois Tech. Visit us along with your student, and view our Undergraduate Admission page for families, which includes a parent-focused list of resources from deadlines to financial aid to safety: admissions.iit.edu/undergraduate/families
THE COLLEGES OF ILLINOIS TECH

Armour College of Engineering
Chicago-Kent College of Law
College of Architecture
College of Science
Institute of Design
Lewis College of Human Sciences
School of Applied Technology
Stuart School of Business

Illinois Institute of Technology
Office of Undergraduate Admission
Perlstein Hall, Room 101
10 West 33rd Street
Chicago, IL 60616-3793
312.567.3025
800.448.2329 (outside Chicago)
312.567.6939 (fax)
admission@iit.edu

admissions.iit.edu

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 Illinois Tech. Illinois Institute of Technology prohibits and will act to eliminate discrimination on the basis of race, color, religion, national origin, gender, sexual orientation, age, disability, or veteran status.

Illinois Institute of Technology is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.