MY CHOICE: ILLINOIS TECH

GUIDE FOR INTERNATIONAL STUDENTS

INTERNATIONAL FEST
SMALL CLASSES
TECHNOLOGY FOCUS
FAR AWAY FROM HOME
ACADEMICS AND TEACHERS
PROFESSORS KNOW YOU BY YOUR FIRST NAME
ILLINOIS TECH LOOKS GOOD ON A RÉSUMÉ
CHICAGO
SCHOLARSHIPS
SPIRIT
ICE CREAM
IPRO
LIKED IT AFTER A CAMPUS VISIT
IT WAS MY FIRST CHOICE
I JUST LIKED IT BETTER
ILLINOIS TECH LOOKS GOOD ON A RÉSUMÉ
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far away from home
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liked it after a campus visit
it was my first choice
i just liked it better
international fest
small classes
technology focus
WE’RE A PLACE WHERE YOU CAN

LIVE IT
SEE IT
DO IT
BE IT
OWN IT

To learn more about Dane and his X-Cube puzzle, flip to page 19.
SOME SCHOOLS MAY GET A LOT OF ATTENTION. BUT AT MANY OF THEM IT’S EASY TO GET LOST IN THE CROWD. ILLINOIS TECH IS SMALL BUT MIGHTY. WE’RE SMART, CREATIVE, PROBLEM-SOLVERS. PEOPLE WHO GET. THINGS. DONE.

SO WE WEREN’T SURPRISED WHEN BUSINESS INSIDER NAMED ILLINOIS TECH AMONG THE “50 MOST UNDERRATED COLLEGES IN AMERICA.”** BECAUSE WE’RE COOL LIKE THAT. WE’VE GOT ALL THE CONFIDENCE OF A BEST-KEPT SECRET—EDUCATING THE BRIGHTEST STUDENTS IN THE COUNTRY, INVENTING THE FUTURE, TALKING THE TALK, AND WALKING THE WALK. AND GETTING NOTICED—WHEN IT REALLY MATTERS.

LIKE WHEN ILLINOIS TECH ALUMNUS MARTY COOPER INVENTED THE CELL PHONE.

AND WHEN 2015 GRAD DANE CHRISTIANSON BUILT HIS X-CUBE PUZZLE IN OUR IDEA SHOP AND GOT 1.6 MILLION VIEWS ON YOUTUBE (IN ITS FIRST MONTH).

AND WHEN CURRENT STUDENT ALYSSA BOWES HELPED CONSTRUCT A DEVICE TO MODEL AN ANTINEUTRINO DETECTOR.

AND WHEN ALUMNA SUSAN SOLOMON DISCOVERED THE CAUSE OF OZONE DEPLETION IN ANTARCTICA.

THEY ALL SAW A CHALLENGE—AND WENT FOR IT.

SO IF YOU’RE WONDERING WHAT KIND OF PEOPLE GO TO ILLINOIS TECH, IT’S PEOPLE LIKE THEM. PEOPLE WHO ARE CURIOUS AND SHARP AND AMBITIOUS AND REBELLIOUS. PEOPLE WITH THE AUDACITY TO DO THINGS BETTER, SMARTER, AND FASTER. PEOPLE WHO ARE READY TO LIVE, SEE, DO, BE, AND OWN IT ALL. PEOPLE LIKE YOU.

AND THERE ARE OTHER RANKINGS THAT MATTER:

WE’RE #1 IN ILLINOIS AND #40 IN THE U.S. FOR MID-CAREER EARNINGS OF GRADUATES WHO HAVE RECEIVED A BACHELOR’S DEGREE (PAYSCALE COLLEGE RETURN ON INVESTMENT REPORT 2016).

ILLINOIS TECH IS CONSISTENTLY NAMED AS AN EDUCATIONAL “BEST VALUE” BY U.S. NEWS & WORLD REPORT, THE PRINCETON REVIEW, AND FISKE GUIDE TO COLLEGES.


OUR HOMETOWN OF CHICAGO IS RANKED AS ONE OF THE TOP 10 CITIES FOR TECHNOLOGY CAREERS BY CIO.
Illinois Tech offers undergraduate programs in the following colleges and schools:

- Armour College of Engineering
- College of Architecture
- College of Science
- 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 one of Illinois Tech’s two other colleges: Chicago-Kent College of Law and the Institute of Design.

**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
- Information Security
- Information Architecture
- Programming Languages
- Internet Application Development
- Entrepreneurship
- Human Resources
- Public Administration
- Military/Naval Science
- Environmental Engineering
- Engineering Graphics and CAD
- Rehabilitation Services
- STEM Education
- Literature
- History
- Music
- Urban Studies…...and many more!

**Double Down: Your Ultimate Academic Advantage**

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. And you get to keep your undergraduate scholarships in your fifth year! Examples include:

- B.S. in Applied Mathematics/M.S. in Computer 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 Computer Science/M.S. in Intellectual Property Management and Markets
- B.S. in Civil Engineering/M.S. in Environmental Engineering
- 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.

**Combined Undergraduate/Graduate Law Programs (leading to B.S./J.D. degrees)**

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.

For more about majors, minors, and academic programs in between, visit admissions.iit.edu/undergraduate/programs

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**UNDECIDED? NO PROBLEM.**

We get it. We really do. 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 sophomore year.

Choose from **Undecided Engineering, Undecided Science**, or **General Undecided** (business, applied technology, communication, humanities, psychology) to get started. You’ll take courses in every department—and along the way you’ll find the path that’s right for you.

And you have alternatives if you realize that your major really isn’t right for you. Changing to any of our 35 majors simply requires a conversation with your academic counselor.
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. Rettaia Engineering Center is designed specifically to encourage an intersection 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’ll 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 society today.

**Distinctive Programs:**

**IIT Engineering Themes and Armour R&D**

We enhance our classroom experiences with “extras” through our IIT 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 IIT Engineering Themes Portfolio will aid you in building a personal online portfolio of your work.

Our distinctive Armour R&D program allows you to take part in fundamental and applied research projects that address global challenges. It will help you gain a complete understanding of the research and development process, specifically the implementation of technology based on research findings.

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**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 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)

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**College of Architecture**

The College of Architecture teaches students how to see architecture through a different lens—and how to become self-constructers who glean 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 practice 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 prerequisite for licensure by state registration boards.

The college has more than 700 students from 50 countries and 100-plus faculty members. Ninety-five percent of our faculty are practicing architects.

The College of Architecture is ranked **#13 in the country** and **#1 in the Midwest** (DesignIntelligence).

**Distinctive Programs: Design/Build and Cloud Studios**

Springing from the legendary workshops of the Bauhaus, Illinois Tech’s teaching remains rooted in the connection between design and making. Today, you can experience 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 your 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. You will experience other modes of studying and working on the built environment, and find the opportunity to define yourself by moving into one of these advanced degree programs.

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**Undergraduate Programs**

**Bachelor of Architecture (B.Arch.)**

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

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“ILLINOIS TECH WAS MY FIRST CHOICE WHEN APPLYING TO COLLEGE. IT IS EXCITING TO BE STUDYING SOMETHING THAT IS SO IMPORTANT AND IN DEMAND, BUT IT’S ALSO RARE SINCE IT COMBINES MULTIPLE DISCIPLINES INTO ONE FIELD OF STUDY. I CURRENTLY HAVE AN INTERNSHIP AT AN ARCHITECTURAL ENGINEERING FIRM WHERE I PRIMARILY WORK WITH MECHANICAL ENGINEERS, AND OCCASIONALLY WITH ELECTRICAL ENGINEERS. THIS INTERNSHIP HAS LET ME GET A BETTER IDEA OF HOW EVERYTHING COMES TOGETHER IN INDUSTRY, AND UNDERSTAND WHICH PARTS OF ARCHITECTURAL ENGINEERING I ENJOY THE MOST AND WOULD LIKE TO FOCUS ON.”

— LINDSEY RICE (ARCHITECTURAL ENGINEERING/ARCHITECTURE MINOR, 4TH YEAR), PORTLAND, OREGON

“LAST SUMMER I STUDIED ABROAD THROUGH THE CORBUS++ TRAVEL PROGRAM. WE WENT TO SWITZERLAND, ITALY, FRANCE, AND GERMANY. GOING WAS DEFINITELY THE BEST DECISION OF MY LIFE. THE ARCHITECTURE PROGRAM AT ILLINOIS TECH DEFINITELY PUSHES YOU TO THE LIMIT AND CONSTANTLY TESTS YOU TO GET OUTSIDE OF YOUR COMFORT ZONE.”

— AMR MOHSEN (ARCHITECTURE 4TH YEAR), CAIRO, EGYPT
College of Science

Rigor and relevance. These two words describe the educational experience you can expect from the College of Science. Our programs are firmly grounded in the fundamentals of mathematics, science, and technology, and understood within their application to the outside world. They are challenging and academically demanding. And that’s what you should expect from a college that prides itself on making sure its students are prepared to make a difference in the world—not only on day one, but also 25 years after they graduate.

You will find all the benefits of a small, private school coupled with the research capacity of a major league institution.

We offer you the chance to work on research projects at the beginning of your academic career at Argonne and Fermilab national laboratories. Cancer therapeutics, big data and analytics, nanomaterials, discrete applied mathematics, cloud computing, particle physics, superconductivity—these are just some of the areas where you can find yourself working alongside faculty and graduate students.

Distinctive Program: Undergraduate Research Stipends

We offer a number of $5,000 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
- Applied Physics
- Astrophysics
- Biochemistry
- Bioinformatics
- Biology
- Chemistry
- Computer Information Systems
- Computer Science
- Molecular Biochemistry and Biophysics
- Physics
- Physics Education

Lewis College of Human Sciences

Lewis College of Human Sciences rests 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.

Distinctive Program: Humanities with Relevance

Though hundreds of colleges and universities offer programs in the humanities, social sciences, and psychology, Lewis College students have the advantage of studying alongside engineers, architects, scientists, and business people. We regard mentoring and cross-disciplinary networking as cornerstones of our distinctive education.

Undergraduate Programs

Bachelor of Science (B.S.) Degrees in:
- Applied Analytics
- Behavioral Health and Wellness
- Communication
- Consumer Research, Analytics, and Communication
- Digital Humanities
- Global Studies
- Humanities
- Psychology
- Social and Economic Development Policy

Honors Law Program (B.S. and J.D. from Illinois Tech’s Chicago-Kent College of Law in six years instead of seven)

Dual Degree Programs (B.S. in Political Science and Master of Public Administration, or B.S. in Psychology and M.S. in Personnel and Human Resources Development or Rehabilitation and Mental Health Counseling)

humansciences.iit.edu

"I am inspired by the world and want to contribute my positive outlook to society. In just under three semesters, I am getting published as a co-author in a peer-reviewed journal article. Illinois Tech really takes the psychology program to a high level of critical and scientific thinking."

— Melanie Standish (Psychology 4th year), Orland Park, Illinois

"In my Introduction to the Profession class, we were assigned to interview a few professors from the Chemistry department and to learn more about their research. As a result of one such interview, I became interested in the work of one of my professors and was invited to take an introductory research class in his lab over the summer. Gaining laboratory experience really broadened my idea of chemistry as a career and helped me see what I was getting myself into after graduation."

— Grace Wischmeyer (Chemistry/Biology, Environmental Engineering Minor 3rd year), Franklin Park, Illinois
School of Applied Technology

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 information technology disciplines of management, development, technology and theory, operations, and security—and the professional skills to be a corporate innovator and tech entrepreneur.

Distinctive Program: 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 School of Applied Technology graduates, you’ll be able to demonstrate what you have accomplished—and not just what you have learned.

Recent student projects have addressed:
- Providing 911 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
- Cyber forensics, steganography, and security

Undergraduate Programs

Bachelor of Information Technology and Management
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
- Applied Mathematics
- Architecture
- Construction Management
- Environmental Management
- Finance
- Human Resource Management

appliedtech.iit.edu

Stuart School of Business

At Stuart School of Business you’ll learn the language of tech and innovation with the added advantage of living in Chicago—internationally renowned as a “place to do business” and a growing tech hub. In addition to studying with outstanding business faculty who have advanced degrees in science, engineering, and technology-based disciplines, you’ll have the chance to interact with some of the best executive, managerial, and entrepreneurial talent in the world.

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 by working on highly innovative, technology-driven projects.

Distinctive Program: 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.)
B.S./Master of Public Administration (M.P.A.), B.S./M.S. Finance, and B.S./M.S. Marketing Analytics
Dual Admission B.S./Juris Doctor (J.D.)
Minor in Business
Minor in Economics
Minor in Entrepreneurship

Business Specializations
- Applied Mathematics
- Architecture
- Construction Management
- Environmental Management
- Finance
- Human Resource Management
- Information Technology
- Life Sciences
- Marketing
- Mechanical Engineering
- Psychology

Stuart’s finance program is ranked 3rd in the U.S. and 35th globally by the Financial Times (2016).

stuart.iit.edu

“I WANT TO MAKE TECHNOLOGY AND MEDICAL SCIENCE MORE USEFUL FOR OTHERS. POSITIVELY AFFECTING ONE PERSON’S LIFE—even the smallest snippet—CAN GO A LONG WAY AND LEAD TO PROGRESS AND CHANGE THROUGHOUT THE REST OF THEIR LIFE.”

— LAP-HENG KEUNG (INFORMATION TECHNOLOGY AND MANAGEMENT/preh MED MINOR 3RD YEAR), LOS ANGELES, CALIFORNIA

“I WANTED TO BE SURROUNDED BY PEOPLE WHO WERE ACTUALLY DEVELOPING, ENGINEERING, AND THINKING ABOUT THINGS IN NEW WAYS. I WANTED TO INTERACT WITH THESE TYPES OF PEOPLE BOTH INSIDE AND OUTSIDE OF THE CLASSROOM. I FOUND THAT AFTER I APPLIED TO ILLINOIS TECH I WAS OFFERED IMMEASURABLE OPPORTUNITIES AND AWESOME SCHOLARSHIPS. IT IS TRUE THAT ILLINOIS TECH DEFINITELY HONORED ME AS A STUDENT. I SAW THAT THEY WERE GOING TO PUT PERSONAL ATTENTION INTO MY EDUCATION—and I was going to get the best-suited business/technology degree at the same time.”

— KATY BANKS (BUSINESS ADMINISTRATION/MEC HANICAL ENGINEERING SPECIALIZATION 4TH YEAR), WHEATON, ILLINOIS
Think this building by the world-renowned architect (and current Illinois Tech professor) John Ronan is cool? This will be one of your classrooms one day. Our new Ed Kaplan Family Institute for Innovation and Tech Entrepreneurship will also house the rapid-prototyping Idea Shop, the IPRO Program, and work spaces where your entrepreneurial endeavors can incubate and flourish. It will be a hub for creativity and exploration on campus.

*Into architecture? The Innovation Center will be a living laboratory for cutting-edge design. Its first-in-Chicago dynamic façade of ETFE (ethylene tetrafluoroethylene) foil cushions will vary the amount of solar energy entering the building through sophisticated pneumatics and give the building a light, cloud-like appearance.
LIVE IT

OUR CAMPUS COMMUNITY

Even though you have Chicago as your playground, there’s so much to do on Illinois Tech’s 120-acre campus, too! You can check out a comedian, go bowling, or play video games in The Bog. Attend a talk by a visiting architect. Get your hands dirty in our urban farm and play flag football in the Quad. Swim some laps in Keating and play tennis on our courts. Grab a coffee and squeeze in some ping-pong in the MTCC (while you’re there check out what’s spinning on WIIT, the university’s student-run radio station).

QUIDDITCH OR THE AVENGERS?

At Illinois Tech you’ll be part of a smart, dynamic group of students whose interests (and eccentricities!) are apparent in our diverse list of more than 150 student organizations.

Are you interested in...

- Dance
- Comic books
- Quidditch
- Theater
- Social gaming
- Engineers Without Borders
- Magic
- Music
- Student government
- Volunteering
- Urban farming
- Skiing and snowboarding

...or one of any other tons of activities? You can do it here.

And at Illinois Tech you can even start your own student group!

Learn more: iit.edu/campus-life

A STYLE ALL OUR OWN

Forbes magazine called Mies Campus one of “America’s most beautiful college campuses.”
Love sports? We’re proud of our legacy of excellent student-athletes. At Illinois Tech you’ll get time on the court and in the field—and still get a world-class education.

If recreation and fitness are more your speed, or you just like to stay active, you can get moving at everything from cricket and yoga to dodge ball and martial arts … even a color run!

Not an athlete at all (but still love to watch sports)? At Illinois Tech we have plenty of room in our Hawk’s Nest. Join the fan club and you can get in the game, too.

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

COOL RESIDENCES AND MILLION $ VIEWS

Our residence halls have some pretty killer features and skyline views. Illinois Tech’s State Street Village was named one of the “coolest dorms in the nation” by U.S. News & World Report.

You’ll find built-in friendships. Your space—and your room to grow. Quiet places when you need it, and places to kick back when it’s time to unwind. Meet people. Study. Have a late-night debate in the lounge. Round up a group for a pick-up game. This is what college is all about.

And the amenities? Our residence halls are totally wired (ethernet and wireless Internet). And they’ve got cable, laundry, and fitness rooms, plus all the furnishings you need and 24/7 security. You’re steps from classes, the dining halls, outdoor spaces, and the train.

SMASHING PUMPKINS—OUR VARIETY OF CAMPUS TRADITION

For 12 years, Illinois Tech’s annual Pumpkin Launch has tested the engineering prowess of student teams, who design trebuchets, catapults—you name it—to see whose contraption can hurl a pumpkin the farthest.
**Campus Resources**

**Academic Resource Center (ARC)**
The ARC provides peer tutoring, exam reviews, and workshops/seminars.

**Academic Advisors**
From day one you’ll be assigned an academic advisor in your field. Your advisor will guide you through your academic career at Illinois Tech and help you prepare for success upon graduation.

**Join the Greek Community**
At Illinois Tech you can do both. Our six fraternities and three sororities emphasize academics, community service, and leadership. You’ll be a part of a supportive community where at the end of the day tech rules. You can study hard, have fun, be a leader, and be your own individual.

**Illinois Tech Libraries**
With over 1.2 million print volumes and more than 100 databases of scholarly journals, Paul V. Galvin Library is the main library for Illinois Tech. It provides study space and supports academic work and research in all fields. You can make an appointment with a Galvin librarian who can offer specialized help with your research. The library also features an Exploration Space with 3-D printers plus many other services such as laptop rental.

**A World of International Flavors**
You won’t go hungry here—and our popular Taco Thursdays are only the beginning. If you prefer international flavors, halal, or vegan, or you have dietary restrictions due to an allergy, we’ve got your diet and cravings covered. And we’ve even got a student advisory group just for food. Plus, Chicago is one of the world’s great food cities, with every type of cuisine imaginable. Dine on campus or visit an ethnic restaurant in the city.

**Just Hang Out**
Illinois Tech students have a lot going on. When their brains hit the limit it’s time to unwind at two of the university’s main student hangouts.

The McCormick Tribune Campus Center was named among the “most amazing campus student unions” in the country (Best College Reviews). Apart from its awesome design (a Chicago “L” train runs through a 530-foot tube on top of it), the MTCC houses a coffee shop and convenience store, ping-pong tables, a full-service restaurant, lounges, foosball, and an outdoor beach volleyball court.

The Bog is all about entertainment—from a bowling alley to video games to a live performance venue. You can play pool, attend a spa night, hear a local band or comedian, or go dancing—and The Bog’s waffle fries are pretty legendary, too. The Bog is also home to our Commuter Student Lounge.

**Find Your Dream Job**
Illinois Tech’s Career Services offers a wide range of services designed to help you gain professional experience in your field—from internships to co-ops to jobs. Our career coaches help with résumé and cover letter review, interview prep, your job search, and more.
CHICAGO—AND THE WORLD

SEE IT

YOUR NEIGHBORHOOD
Illinois Tech’s surrounding Bronzeville and Bridgeport neighborhoods have tons of history and just as much personality. You can check out an edgy art gallery, eat at an old-school soul food restaurant or Italian café, or ride your bike along the lakefront, less than one mile from campus. The cool stores and restaurants of bustling Chinatown, Pilsen, and South Loop are nearby, too. Diversity is right outside your door.

YOUR CITY
Chicago is a go-anywhere, do-anything global city. Go to a game—Blackhawks, Bears, Bulls, Cubs, Fire, Sky, White Sox. Visit one of the world’s best museums. Get lost in world-renowned architecture. Dine at a five-star restaurant or eat at a hole-in-the-wall. Go to a Broadway play, or go see your favorite band in concert. You can do it all—and it’s all just minutes from Mies Campus.

YOUR WORLD
Stop and talk to someone walking across Illinois Tech’s campus and chances are you’ll get a mini-geography lesson. Our students come from the coasts of Saint Lucia, the mountains of Vietnam, and the cities of Brazil. We have a multinational student body with students from 100 countries and all 50 states. And you can get out there and see it firsthand, too. Illinois Tech offers **study abroad program options on six continents** for every major, along with internship and volunteer opportunities.
GET OUT AND GET AROUND

Every Illinois Tech undergrad receives a Ventra U-Pass, which gives you unlimited access to CTA public transportation citywide. Take the “L” downtown. Catch a bus to go shopping. Or explore one of Chicago’s seemingly endless number of neighborhoods, each with its own unique personality and attractions. Your U-Pass will get you there.

Want to create your own route? Hop on a Divvy bike share at one of the on-campus bike stations, and cruise anywhere you like.
Gaby Sumampouw (Chemical Engineering '15), from Indonesia, researched how to offset fossil fuels use by creating biofuels from algae. It’s just one of the many opportunities on campus that engage undergraduates in research with real-world applications.
Academic Programs with a Technology Focus

At Illinois Tech our students describe our programs as challenging, focused, and demanding—and employers say they hire our graduates because they can “hit the ground running.” What makes our undergraduate education different is a focus on emerging technologies and our interdisciplinary, collaborative programs. When we say we’re different, we mean it.

RESEARCH

YES, EVEN AS AN UNDERGRAD!

Is there a topic that really drives you?

Illinois Tech connects undergrads with research opportunities. You’ll find opportunities through Illinois Tech’s research affiliates, including Argonne National Lab and Fermilab, plus companies on campus at University Technology Park and throughout Chicago. Many of our faculty are experts in their fields and offer a direct line to research opportunities in the greater Chicago area and beyond. There are even programs that provide undergraduates stipends for research.

Matthew Spenko
Associate Professor of Mechanical Engineering
B.S. Northwestern University, M.S. and Ph.D. Massachusetts Institute of Technology
Director, IIT Robotics Lab

Designs mobile hybrid robots that go where other robots can’t (for his robot’s gecko-like gripper, that may include outer space to clean up space debris)

Carly Kocurek
Assistant Professor of Digital Humanities and Media Studies
B.A. Rice University, M.A. and Ph.D. University of Texas at Austin

A cultural historian and authority on video gaming and new media technologies, authored a book about the factors that contributed to the widespread view of video gaming as an enclave for young men and boys

Carlo Segre
Duchossois Leadership Professor, Professor of Physics
B.S. University of Illinois at Urbana–Champaign, Ph.D. University of California, San Diego

Range of projects includes nanoelectrofuels for innovative batteries, crystal optic devices for delivery and detection of X-rays at synchrotron beamlines, and the Chicago-area bridge building competition for high school students

Weslynne Ashton
Assistant Professor of Environmental Management and Sustainability
B.S. Massachusetts Institute of Technology, M.S. and Ph.D. Yale University

Led a three-year multinational effort to promote and facilitate cleaner production and sustainable industrial development throughout the Americas
DO IT MORE MATHLETE THAN ATHLETE?

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-oriented groups and special programs offer something for aspiring architects, entrepreneurs, inventors—you name it. You can get involved with one—or more!—of these groups on campus.

- Design a quadcopter in Illinois Tech Robotics or join the IIT Robotics Lab
- Test your Capture the Flag skills in HackIIT
- Develop ways to hide secret files in an MP3 in the Cyber Forensics and Security Lab
- Pitch your idea for a cool new technology in IIT CEO
- Research a building while studying abroad in the IIT Berlin++Summer Program
- Form your own group and design a chainless, fluid-powered bicycle for a national competition

In spring 2015, students in Professor Frank Flury’s Design/Build studio designed a prototype rural hospital, and during the summer they collaborated with local villagers in the Magetang district of Indonesia to build the clinic in the Central Java Province. During the previous summer, another group of students and alumni built a library/study space for secondary school students in the rural village of Twifo Hemang, Ghana.
ELECTRIC VEHICLE DEVELOPED BY ILLINOIS TECH STUDENTS

Students in the IIT Motorsports club designed and built an electric vehicle that won the 2015 Fiat Chrysler Automobiles Innovation Award at the Formula Hybrid Competition. Below are a few ideas that made their WISER Tomahawk innovative.

How It Works: The IIT WISER Tomahawk

- **Direct drive hub motors**: Each wheel has its own custom, permanent liquid-cooled magnet motor.
- **Carbon fiber frame**: Reduced weight of Tomahawk by more than 50 percent over previous student-built cars.
- **Prismatic cell battery**: Flat instead of rounded, an improvement over the previous ultra-capacitor battery.

If you’re an aspiring entrepreneur with diverse interests, look no further than Sunny Shah (Psychology 2nd year) for a healthy dose of inspiration.

“Studying psychology allows me to understand human behavior and the nuances of our world at large,” says Sunny, a budding app developer from Woodridge, Illinois.

Sunny’s Circle Up app, which calculates the best meet-up location for a group of people, was a finalist in the Big Idea Technology competition. His latest endeavor, EcoEats, was a semi-finalist at the 2015 U.Pitch competition, where he competed against the country’s top collegiate entrepreneurs—even pitching his idea to one of the co-stars of ABC’s Shark Tank.

“Knowing the principles of business is a vehicle toward success, but understanding the values you want to instill in your business—and the human impact you want to create—is more important,” Sunny says.

In addition to developing high-impact apps, Sunny helps fellow students to pursue their own big ideas as president of Illinois Tech’s chapter of Collegiate Entrepreneurs’ Organization (CEO).
OUR KIND OF SUPERHEROES

Who doesn’t want to be a superhero? At Illinois Tech our students are super-humans in training—real people using real superpowers to change the world for the better.

Students like Tyler Grudowski (Mechanical Engineering 4th year), from Orland Park, Illinois, whose IPRO class designed a supinating arm for a robotic standing wheelchair designed by fellow students. His team’s goal was to provide increased mobility for people who have a disability but don’t need to be confined to a wheelchair.

“The majority of students come to Illinois Tech to get a great education because they want to make a positive impact on people’s lives,” Tyler says.

So yes. Magical hammers and force fields are cool—but we’ll take a world-class STEM education any day.

IPRO Program

One of Illinois Tech’s bragging rights is our signature Interprofessional Projects (IPRO) Program. We started it in 1995, and it’s still one of only a few programs like it in the country. In IPRO you’ll work with other students from various majors to develop a solution to a real-world problem. If you’re already thinking about your post-college career, you’ll have a leg up—employers tell us they hire grads with the same teamwork and leadership skills that Illinois Tech students learn in IPRO.

Recent IPRO student teams have:

• Developed a prototype desalination device for the Sahara
• Built sustainable water distribution systems in Haiti
• Started a “smart recycling” system on campus
• Developed renovations for a historic neighborhood theater
• Reimagined the failed 1940s Antarctic Snow Cruiser
• Developed an assistive device to help visually impaired people swim
• Devised a mobile operating room for disaster relief in third-world countries
The Idea Shop is where you can transform your ideas into reality. This 13,000-square-foot innovation hub has serious tools: a state-of-the-art, rapid-prototyping lab featuring 3-D printers and a 3-D scanner, multiple CNC milling machines, a vacuum former, and laser cutter. It’s one-part entrepreneurial center and one-part gathering place, with full-time staff dedicated to helping you test the limits of your imagination.

Illinois Tech also has a Machine Shop on campus where you can fabricate and design pretty much anything for a class, do metalworking projects, and use a precision-cutting machine.

**DO IT**

ASK “WHAT IF?” AND SHOUT “WHY NOT!”

YOU CAN BUILD IT IN THE IDEA SHOP

“**X-CUBE MARKS THE SPOT**

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

—Dane Christianson (Mechanical Engineering ’15), from Batavia, Illinois, who built the 52 moving parts of his X-Cube twisty puzzle using 3-D printers in the Idea Shop during his sophomore year at Illinois Tech. The X-Cube is now sold at Marbles and Barnes & Noble.
BE IT
HANG WITH THE SMART KIDS

AT ILLINOIS TECH YOU CAN BE ANYTHING—MORE IMPORTANTLY, YOU CAN BE YOURSELF. NERD OUT ON POLYMERS. DIVE INTO EXASCALE COMPUTING. STUDY THE NATIONALIST MOVEMENTS IN LATIN AMERICA. OR STUDY ALL OF THEM. BE WHOEVER YOU WANT TO BE.

OUR RECENT GRADS WERE ONCE JUST LIKE YOU—FINDING THEIR WAY AND EXPLORING THEIR DREAMS. ILLINOIS TECH HELPED THEM GET THERE. MEET THE NEXT GENERATION OF GREAT INNOVATORS AND ENTREPRENEURS—AND PREPARE TO JOIN THEM.

Katherine Darnstadt (Architecture ’05) solves architectural problems in breakthrough ways. When the firm that she founded was asked to address a South Side Chicago food desert, she designed a bus—not a building—to provide the best solution.

After acquiring an old Chicago Transit Authority bus and poring over its manual, her firm converted it into Fresh Moves, a mobile grocery store packed with produce. Fresh Moves Mobile Markets are now part of a City of Chicago initiative providing affordable fresh fruits and vegetables to underserved areas on the city’s south and west sides.

“I think my time at Illinois Tech shaped so much of what I thought of the profession, and the alumni and professors gave me the support and strength to challenge what the profession will be in the future,” Katherine says.
“If you think about it, we all drive our cars on a faith-based system,” says Nishanth Samaia (Computer Science ’14). “We get into our car and hope and pray that it drives that day and no weird dashboard lights or sounds go off. Most of us have no idea what is going on inside, what to do when problems occur, or how much fixing all of it should cost.”

A $2,000 invoice for routine maintenance on his car got Nishanth thinking. He wondered why it cost so much and more importantly, why there was such an imbalance of available information between those who drove their cars and those who fixed them.

So Nishanth developed Strados, a machine-learning platform that predicts car health. The Strados app translates raw computer signals from a car into relatable emotions and text. When connected with a maintenance provider, this data can be used to preempt issues and save drivers money.

Nishanth credits his first Interprofessional Projects (IPRO) Program project—an unmanned aerial vehicle—for leading him to a degree in computer science and Strados. Inc. included Strados on its list of “America’s Coolest College Startups 2014.”

When Emmanuel Klu (Computer Science ’13) asked his parents for permission to leave their home in Ghana and travel to the United States to attend Illinois Tech, none of them likely anticipated the miles Emmanuel would log elsewhere throughout the world. An intrepid backpacker, he has visited 21 states and six European countries. Emmanuel concluded this latest trip by jumping into a journey of a different type—his new role as a software engineer with the corporate engineering team at Google in Mountain View, California.

“This is an exciting opportunity to work on something new in a small team,” says Emmanuel. “I believe that it gives me the chance to contribute directly to innovation at Google, and at a very fast pace.”
OWN IT

INNOVATION BEGINS HERE

ILLINOIS TECH ALUMNI INNOVATORS
KNOW OUR CHANGE-MAKERS

When you graduate you’ll join all of them around the world in the get-ahead-and-do-big-things club. And when we say around the world, we mean all 3,959 miles of it: Our alumni are in more than 128 countries and all 50 states.

RAJEEV CHANDRASEKHAR (M.S. CS ’88)—MEMBER OF THE TEAM THAT DEVELOPED THE PENTIUM CHIP

ED KAPLAN (ME ’65)—PIONEER IN BARCODE TECHNOLOGY

LEONARD REIFFEL (EE ’47, M.S. ’48, Ph.D. ’53)—INVENTOR OF THE TELESTRATOR, USED TO HIGHLIGHT SPORTS PLAYS ON TV

MARTY COOPER (EE ’50, M.S. ’57)—INVENTOR OF THE CELL PHONE

JASON RESCH (CS ’06)—SOFTWARE ENGINEER WITH MORE THAN 58 PATENTS (AND 200 PENDING) TO HIS NAME

SUSAN SOLOMON (CHEM ’77)—DISCOVERED MAN-MADE CHLOROFLUOROCARBONS WERE DESTROYING THE OZONE LAYER

GLORIA RAY KARLMARK (CHEM, MATH ’65)—PART OF THE LITTLE ROCK NINE WHO STOOD UP AGAINST SEGREGATION IN ARKANSAS SCHOOLS

ANITA BURKE (ME ’90)—VEHICLE CHIEF ENGINEER FOR THE GMC CANYON AND CHEVROLET COLORADO

MARVIN CAMRAS (EE ’40, M.S. ’42)—PIONEER OF MAGNETIC RECORDING

VICTOR TSAO (M.S. CS ’80)—CO-FOUNDER OF LINKSYS
IT’S ALL HERE

FINANCING YOUR DEGREE

Think college is expensive?

It’s important to consider not just the cost of your education but 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.

If you’re wondering whether you can afford such a great education, perhaps the better question is: Can you afford to pass it up?

SCHOLARSHIPS

Merit-Based International Scholarships

All international students are automatically considered for merit-based international tuition scholarships, which range from $10,000–$25,000 per year.

Additional 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

Presidential Scholarship

Awarded to students who transfer from a Chicago city college and who study science, engineering, architecture, technology, business, and human sciences at Illinois Tech. Students must be nominated by the president of their two-year institution.

For a complete list of scholarships, including those available to international applicants, visit admissions.iit.edu/undergraduate/finances/scholarships.

WE’RE #1 IN ILLINOIS AND #40 IN THE U.S.

FOR MID-CAREER EARNINGS OF GRADUATES WHO HAVE RECEIVED A BACHELOR’S DEGREE (PAYSCALE COLLEGE RETURN ON INVESTMENT REPORT 2016).

ILLINOIS TECH HAS BEEN NAMED AN EDUCATIONAL “BEST VALUE” BY U.S. NEWS & WORLD REPORT, THE PRINCETON REVIEW, AND FISKE GUIDE TO COLLEGES
IT'S ALL HERE

THE ESSENTIAL INFORMATION ON APPLYING TO ILLINOIS TECH

Application Requirements and Steps—Free to Apply

Illinois Tech is looking for students of high academic caliber with strong community ties and 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!

STEP 1: APPLICATION
Complete the application for admission. There is no application fee to apply to Illinois Tech. Applications are available online through the Common Application (apply.commonapp.org).

Please mail supporting documents to:
Illinois Institute of Technology
10 West 33rd Street
Perlstein Hall, Room 101
Chicago, IL 60616 USA

STEP 2: TRANSCRIPTS
Submit official or certified copies of the marks or grades of courses completed prior to university or college entrance, as well as all board examination scores. We require three full years of grades upon the submission of the application to be reviewed for admission.

STEP 3: LETTER OF RECOMMENDATION
Provide a completed evaluation form or letter of recommendation from your counselor or a teacher (especially in the subjects of math, science, or English). One letter is required but up to three are accepted. Letters can be submitted through the Common Application or mailed to the Office of Undergraduate Admission.

STEP 4: TEST SCORES
Take either the SAT I or ACT test and send the official scores directly from the testing center. The SAT code for IIT is 1318. The ACT code for IIT is 1040. We do not require that students take the SAT II subject tests.

Also provide an official copy of your English proficiency TOEFL or IELTS score report. The TOEFL code to send your scores to Illinois Tech is 1318.

STEP 5: FINANCIAL AFFIDAVIT OF SUPPORT
Submit Illinois Tech’s Financial Affidavit of Support to demonstrate that you or your sponsor have available finances to meet the educational and living expenses while you are a student at Illinois Tech.

STEP 6: PASSPORT
Provide a copy of your passport, which is needed to fulfill the visa requirements. You can scan a copy of your passport and email it in pdf format to intl@iit.edu.

STEP 7: COURSE DESCRIPTIONS (TRANSFER STUDENTS ONLY)
If you submit transcripts from a university outside the United States, you should provide course descriptions of each course taken at each university. These can be submitted via email in pdf format and are necessary to provide transfer credit.

FIRST-YEAR CLASS PROFILE AND ACADEMIC HIGHLIGHTS

| Students from outside Illinois | 43% |
| Students from other countries | 19% |
| Student-to-faculty ratio | 13:1 |
**Important Dates and Deadlines**

We recommend submitting your application as early as possible. Our admission counselors are available to guide you through the process and answer any questions you and your family may have.

**ADMISSION DEADLINES**

FOR SPRING 2017 ADMISSION (classes begin January 2017)
- November 15: Admission deadline for international students living outside the U.S.
- December 1: Admission deadline for international students living in the U.S.

FOR FALL 2017 ADMISSION (classes begin August 2017)
- May 15: Admission deadline for international students living outside the U.S.
- August 1: Admission deadline for international 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. You will be provided your scholarship information at the same time that you receive your admission notification.

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**International Transfer Credits**

Students who hold an International Baccalaureate (I.B.) diploma or who have successfully completed I.B. examinations may be awarded credit.

- College credit will be awarded for higher-level (HL) exams with a score of 4 or higher.
- A maximum of 10 hours of credit for each HL exam can be awarded.
- No credit is granted for work completed at the subsidiary level (SL).

College credit will be awarded for GCE A-level examinations with a grade of A, B, C, D, and E.

- Maximum of 10 hours of credit can be awarded for each A-level examination.
- No credit will be granted for advanced subsidiary level (SL) examination.

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**Our International Students**

Illinois Tech is proud of our community of international students. Our undergraduate students hail from all 50 states in the United States as well as more than 100 international countries.
INTERNATIONAL CONTACTS

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For help with the application process and information specific to your country, please contact your local Education USA advising center.
educationusa.state.gov

TAKE A VIRTUAL TOUR
Visit us now! Log on to www.iit.edu/#virtualtour to view a cool online virtual tour of our buildings, labs, open spaces, and more!

HAVE QUESTIONS?
Contact us online to learn more about our academic programs, campus life, and the admission and financial aid processes—and what it’s like to be a Scarlet Hawk!

TalonTheScarletHawk
@illinoistech
IllinoisTech