MY CHOICE: ILLINOIS TECH

- Small Classes
- Technology Focus
- Far Away From Home
- Academics and Teachers
- Spirit
- Chicago
- Scholarships
- Ipro
- Illinois Tech looks good on a resume
- International Fest
- Liked it after a campus visit
- It was my first choice
- I just liked it better
- Professors know you by your first name

Illinois Tech looks good on a resume.
We’re a place where you can live it, see it, do 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 #24 IN THE U.S. FOR MID-CAREER EARNINGS OF GRADUATES WHO HAVE RECEIVED A BACHELOR’S DEGREE [PAYSCALE COLLEGE RETURN ON INVESTMENT REPORT 2014–15].

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.
Lewis College of Human Sciences students explore Chinatown as part of a social sciences course.
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
- 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

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 36 majors simply requires a conversation with your academic counselor.
Armour College of Engineering

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.

Some companies who have hired our graduates include Goldman Sachs, Sargent & Lundy, and Google.

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.

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)

College of Architecture

In the College of Architecture, 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.

Some companies who have hired our graduates include Perkins Eastman and Frank Flury Design Build.

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.

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.

arch.iit.edu

engineering.iit.edu

“THE CLASSES AT ILLINOIS TECH EXPLORE EVERY LAYER OF THE ENGINEERING PROCESS. IN CIVIL ENGINEERING WE LEARN THE COST, DESIGNS, LEGAL PERMITS, AND CONSTRUCTION—EVERYTHING TO TURN A PROJECT INTO REALITY. ON MY FIRST DAY OF CLASS WE STUDIED THE CODE OF ETHICS. THIS IS IMPORTANT BECAUSE AS ENGINEERS WE HAVE TO BE HELD TO HIGH STANDARDS.”

—LESLIE LYONS (CIVIL ENGINEERING ‘16), OTTAWA, ILLINOIS

“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 3RD YEAR, CAIRO, EGYPT)
College of Science

Our College of Science programs 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.

Some companies who have hired our graduates include Adler Planetarium, Amazon, and Goldman Sachs.

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.

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
- Humanities
- Political Science
- Psychology
- Social and Economic Development Policy
- Sociology

Honors Law Program (B.S. and J.D. from IIT 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)

science.iit.edu

humansciences.iit.edu

“I’VE BEEN A PART OF TWO MEDICAL BRIGADE TRIPS TO SOUTH AMERICA WITH MEDLIFE, AND I’M ENROLLED IN THE GLOBAL CHALLENGES AND DEVELOPING COUNTRY NEEDS IPRO FOR THE FALL. IT’S GREAT TO KNOW THAT ILLINOIS TECH IS LOOKING AHEAD TO THE FUTURE OF HEALTH CARE AND IS ALREADY FINDING WAYS TO GET STUDENTS INVOLVED.”

—IRENA GRAUZINIS (BIOCHEMISTRY/PRE-MED ’17), ST. CHARLES, ILLINOIS

“THE PSYCHOLOGY PROFESSORS CHALLENGE US TO THINK ABOUT THE WORLD IN A DIFFERENT WAY, WITHOUT AN AGENDA. THERE AREN’T RIGHT OR WRONG ANSWERS IN THOSE DISCUSSIONS, WHICH OPENS UP THE CONVERSATION THAT MUCH MORE.”

—WUDASSE BERKE (PSYCHOLOGY ’15), ADDIS ABABA, ETHIOPIA
School of Applied Technology

The School of Applied Technology will help you 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.

Some companies who have hired our graduates include Exelon, JPMorgan Chase, and Microsoft.

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 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 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
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

appliedtech.iit.edu

Stuart School of Business

At Stuart School of Business 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.

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 6th in the U.S. and 33rd globally by Financial Times (2015).

stuart.iit.edu

“MOST SAT CLASSES CAN BE TAKEN ONLINE. SO IF YOU ARE SOMEWHERE REMOTE, YOU CAN STILL ATTEND CLASS VIRTUALLY OR EVEN WATCH SCREEN RECORDINGS AFTER THE CLASS HAS HAPPENED.”

—DOUG WILHELM (INFORMATION TECHNOLOGY AND MANAGEMENT ’15), GALIEN, MICHIGAN

“BEING AT IIT TAUGHT ME THE VALUE OF THE BUSINESS SCHOOL RESIDING AT A TECH SCHOOL. A MANDATORY COMPUTER SCIENCE CLASS TAUGHT ME THAT PROGRAMMING WASN’T FOR ME, BUT I APPRECIATE AND VALUE MY RELATIONSHIPS WITH THOSE WHO STUDY COMPUTER SCIENCE. THE TECH CLASSES HELPED ME MOVE FROM JUST BEING A MARKETING STUDENT TO SEEING MYSELF AS A SOCIAL MEDIA MARKETER.”

—CAREN ONG (BUSINESS ADMINISTRATION ’14), PENANG, MALAYSIA
The newly renovated atrium of the John T. Rettaliata Engineering Center is a flexible collaborative space for all Illinois Tech students to use.
LIVE IT OUR CAMPUS

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).

GET INVOLVED STUDENT GROUPS

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...
- Photography
- Comic books
- Computer science
- Theater
- Aeronautics and astronautics
- Engineers Without Borders
- Chess
- Music
- Student government
- Volunteering
- Urban farming
- Cultural heritage

...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 Main 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 badminton and martial arts … plus tennis, indoor soccer, and many more!

We recently renovated many of our athletic facilities, which are available for all students to use free of charge. In addition to a soccer field, indoor gym, and a fitness room, facilities include a swimming pool and tennis courts.

**Men’s:** Baseball, Basketball, Cross Country, Soccer, Swimming and Diving, Track and Field, Volleyball

**Women’s:** Basketball, Cross Country, Lacrosse, Soccer, Swimming and Diving, Track and Field, Volleyball

Want to be a Scarlet Hawk? Visit [www.illinoistechathletics.com](http://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 11 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.
JOIN THE GREEK COMMUNITY

At Illinois Tech our Greek community consists of six fraternities and three sororities. These organizations 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.

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.

TELL A STORY

Since 1928, Illinois Tech students have informed and entertained the campus with TechNews, the “world’s greatest college newspaper.” Report on university news, review a new album, or write an opinion column. Share your voice.

GRAB YOUR TRUMPET

Or violin. Or clarinet. Illinois Tech’s campus is also home to VanderCook College of Music, a highly renowned music school. All Illinois Tech students can take classes at VanderCook. So bring your instrument and keep playing!

Shimer College, the “Great Books College,” is also on our campus. All Illinois Tech students can take classes at Shimer—from literature to feminism to film history.

JOIN THE GREEN REVOLUTION

Sustainability is important to us. Illinois Tech has solar panels on several buildings, a complex recycling and composting program, and a sustainability action plan that is addressing everything from campus vehicle emissions to stormwater use. It’s a commitment that we take seriously—and a big reason why Princeton Review named us among the greenest universities in the country.

Plus our entire Main Campus—including our first-in-Chicago research-based advanced wind turbine—is part of the Perfect Power smart microgrid project.

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 “El” 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—a cool venue on campus that has everything from a bowling alley to video games to a live performance space. You can play pool, attend a spa night, hear a local band or comedian, or go dancing.
SEE IT

CHICAGO—AND THE WORLD

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, 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 Main 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 “El” 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, is researching 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.
MEET A FEW OF OUR PROFESSORS
YOU’LL BE LEARNING FROM THEM!

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, is co-authoring a book series about significant game designers

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

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’s Office of Undergraduate Research 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.
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 want to know about crime in your neighborhood—or where a crime might take place next—you could talk to your local beat cop or consult the police blotter. Or you could ask Luis Larco (Electrical and Computer Engineering ’15).

While an Illinois Tech student, Luis, from Miami, Florida, worked with Professor Miles Wernick on a crime prediction project for the Chicago Police Department. The project involved developing tools that the CPD could use to develop a nuanced understanding of categories of crime—including social networking analysis, data mining, statistical machine learning, pattern classification, and computer-aided diagnosis. Luis helped to translate this data into a user-friendly website that can guide police officers when they assess variables in crime patterns on any given beat.

“This is one of the perfect examples of why I love my field,” Luis says, noting he’s “helping my community by developing tools that help the police department reduce crime in the city.”
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 3rd year), from Orland Park, Illinois, whose IPRO class is working to design a supinating arm for a robotic standing wheelchair designed by fellow students. His team’s goal is 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 an advantage—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 3D printers and a 3D 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**
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 IIT 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.
Emmanuel Klu (Computer Science ’13) asked his parents’ 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.”

If you think about it, we all drive our cars on a faith-based system,” says Nishanth Samala (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’ 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.

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

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

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

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

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

SUSAN SOLOMON (CHEM ’77)—DISCOVERED MANMADE CHLOROFLUOROCARBONS WERE DESTROYING THE OZONE LAYER

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

Gloria Ray Karlmark (Chem, Math ’65)—PART OF THE LITTLE ROCK NINE WHO STOOD UP AGAINST SEGREGATION IN ARKANSAS SCHOOLS

Marvin Camras (EE ’40, M.S. ’42)—Pioneer of magnetic recording

Marty Cooper (EE ’50, M.S. ’57)—Inventor of the cell phone

Ed Kaplan (ME ’65)—Pioneer in barcode technology

Jason Resch (CS ’06)—Software engineer with more than 58 patents (and 200 pending) to his name

Susan Solomon (Chem ’77)—Discovered manmade chlorofluorocarbons were destroying the ozone layer

Leonard Reiffel (EE ’47, M.S. ’48, PhD. ’53)—Inventor of the Telestrator, used to highlight sports plays on TV
Think this building by the world-renowned architect (and current Illinois Tech professor) John Ronan is cool? This will be one of your classrooms when you get here. 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.
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 IIT. 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. Your transcripts must be official, sealed, and mailed to the address above. We require three full years of grades upon the submission of the application to be reviewed for admission. We do not accept electronic copies of transcripts.

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 IIT 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.
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. Some dual-degree programs and scholarships have special deadlines (see below).

ADMISSION DEADLINES

FOR FALL 2016 ADMISSION (classes begin August 2016)

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.

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.
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, first-year 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 #24 IN THE U.S.

FOR MID-CAREER EARNINGS
OF GRADUATES WHO HAVE RECEIVED A BACHELOR’S DEGREE
(PAYSCALE COLLEGE RETURN ON INVESTMENT REPORT 2014–15).

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

Vanita Misquita
Director, IIT Overseas Program
24 Place du Général
Catroux 75017, Paris, France
Phone: 33.1.47.54.08.93
Email: misquita@iit.edu

D. Rajagopalan
Operations Director, IIT India Private Ltd
#2, MSR Industrial Estate, MSR IT Complex
Mathikere, Bangalore 560054
Phone: 2360.8502
Tel/Fax: 91.80.2360.9510
Email: rajagopaland@iit.edu
www.iitchicagoinindia.com

Hua Qu
Director, IIT China Office
Suite 64721, Yuyuan, Beijing Friendship Hotel
No.1 Zhongguancun South Avenue 100873
Beijing, China
Phone: 86.10.88424791 / 88424793
Fax: 86.10.68945795
Email: hua.qu@iit.edu
www.iit.org.cn

S. H. Noh
Director, IIT Seoul Office
Suite 515 Doosan We’ve Pavillion 58 Soosong-dong
Jongno-gu Seoul 110-858, Korea
Phone: 82.2.720.3170
Fax: 82.2.725.2429
Email: noh@iit.edu
www.iitseoul.co.kr

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

HAVE QUESTIONS?
ASK US IN AN ONLINE CHAT!

Connect with 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!

For a list of upcoming dates when you can chat live with an admission counselor, visit http://admissions.iit.edu/undergraduate/visit/illinois-tech-online-chats