

“

EVERYTHING
THAT CAN BE
INVENTED HAS
BEEN INVENTED.

—Charles H. Duell,
Commissioner,
U.S. Office of Patents, 1899

”

INSIDE:

PROFESSIONS DRIVEN BY SCIENCE AND TECHNOLOGY 2

A RESEARCH AND CAREER-ORIENTED EDUCATION 12

MORE ABOUT ILLINOIS INSTITUTE OF TECHNOLOGY 14



In the hundred years before 1899, the U.S. granted some 450,000 patents—about the same number issued in the past three years alone.

Our research shows that Duell's quote (cover), although famous, is fictional. (May this be only the first of many times IIT gives you the straight skinny.)



THE AGE OF INNOVATION MAY JUST BE STARTING

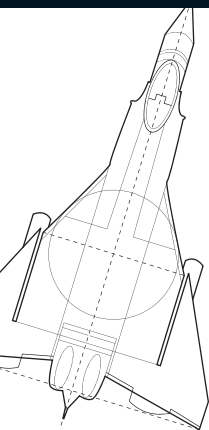
Look around. You're surrounded by new products, techniques, and ideas. Today, every profession is being reshaped by changing technologies.

You may be excited by the possibilities—and even a little overwhelmed by what it all means to you. For example, even if you've narrowed your interests to engineering, there are still choices: aerospace or civil engineering? Biomedical or chemical? Or maybe you like the idea of becoming an architect. But wait, what's the difference between an architect and an architectural engineer? What if you're interested in technology *and* its marketable applications? What if you're intrigued, not so much by the technical guts of electronic gadgets, but by the way people actually use them?

To help you focus your interests, the following pages suggest the possibilities in some fields of study that center on engineering, science, and new technologies—and show how today's Illinois Institute of Technology is educating tomorrow's innovators.

▲ **IIT STUDENTS** pursue a wide range of academic interests, from engineering, computer science, architecture, and the sciences to psychology, business, and the humanities.

◀ **CHICAGO'S "EL"** (elevated train) runs quietly through IIT's campus center. Downtown Chicago, just a 10-minute train ride away, is a source of culture, education, food, internships, and future career opportunities for IIT students.



PUT A STOP TO SUPERSONIC JET SCREECH

When you were a kid, did you crane your head at every plane? Dream of designing a next-generation launch vehicle? **AEROSPACE ENGINEERING** will help you understand how to design and analyze aircraft and spacecraft using scientific

principles of aerodynamics, structures and materials, thermodynamics and propulsion, and flight mechanics. Once you earn your degree, you might work in the aircraft industry, for the Department of Defense or NASA, or at an independent research facility. *IIT has eight wind tunnels—including one of the nation's largest university-based wind tunnels for research in high-subsonic aerodynamics.*

“Heavier-than-air flying machines are impossible.”

—Lord Kelvin, president, Royal Society, 1895

IIT's Math and Science Education program prepares students for a teaching certificate at the secondary school level while they earn a Bachelor of Science degree in one of several fields.

PREDICT FINANCIAL MARKETS

Applied mathematicians use the rules and processes of mathematics to solve problems and make discoveries in such fields as electronics and computer manufacturing, finance, government, insurance, information technology, and pharmaceuticals. The study of **APPLIED MATHEMATICS** combines applied analysis, computational mathematics, discrete applied mathematics, and stochastic analysis with knowledge in science, computer science, business, or engineering fields. *IIT students participate in regional and national mathematics contests, engage in research with professors, and interact with visiting experts from around the world through IIT's colloquium series.*

USE TRASH TO INSULATE A HIGH-RISE

Are you fascinated by the way tall buildings withstand wind or how office towers can best conserve energy? With their focus squarely on the inner workings of buildings, experts

in **ARCHITECTURAL ENGINEERING** must balance the increasingly complex interrelationships between new technologies and historic design. They also wrangle with issues related to energy and the environment, urban housing, development, infrastructure, and transportation. They often work as consulting engineers, building contractors, construction managers, and structural engineers. *IIT students can add another layer to their architectural engineering degree with minors in construction management, fire protection, and safety engineering.*

ARCHITECTURE is a modern-day renaissance career. Not only must architects have an appreciation for art and history, a talent for visualizing and creating space, and an understanding of human needs—they must also have a thorough knowledge of structural design, materials, building systems, sustainable design practices, and digital technologies. At the same time, they deal with a host of economic, social, environmental, and legal issues. To become a licensed architect, individuals must first earn an accredited, professional architecture degree (B.Arch. or M.Arch.), complete internship hours, and pass the Architect Registration Examination. *Ranked among the top twenty professional architecture programs in the country by Design Intelligence magazine, IIT's B.Arch. program prepares young professionals for future internships, licensure exams, further graduate study, or immediate employment.*

DESIGN A HOUSE THAT GENERATES ITS OWN POWER



AN IIT ARCHITECTURE STUDENT

brings her design to life by building a model in the College of Architecture's materials lab.

CARRYING A ROCKET SHE BUILT, an IIT student makes her way to a launch organized by Professor John Kallend. The challenge: to create a rocket that will reach a height of exactly 110 meters. To measure success, the rocket carries an electronic payload that records acceleration and altitude, making 50 measurements each second during the flight.





IIT'S BIOMEDICAL ENGINEERING PROGRAM

received more than \$5 million in the past few years to fund research projects; students often have the opportunity to work side by side with faculty.

The headlines you read in these pages may seem fascinating or far-fetched. But they're inspired by actual work going on at IIT. For the latest research news at IIT, go to www.iit.edu/research.

DISCOVER THE CAUSE OF A LIFE-THREATENING ILLNESS

A popular choice for premedical students—also appropriate preparation for other health professions, the basic sciences, and environmental fields—**BIOCHEMISTRY** explores living things at the molecular level. It looks at the structure and function of cell parts, like proteins or nucleic acids such as DNA. Offshoots of the field include molecular biology, biotechnology, and genetic engineering. Cross-disciplinary, with small classes and great flexibility in electives, it gives students the chance to construct their degree program to best fit their needs. *Many students participate in research projects that provide a competitive advantage for graduate school or medical school for careers as clinicians or researchers.*

A popular choice for premedical students—also appropriate preparation for other health professions, the basic sciences, and environmental fields—**BIOCHEMISTRY** explores living things

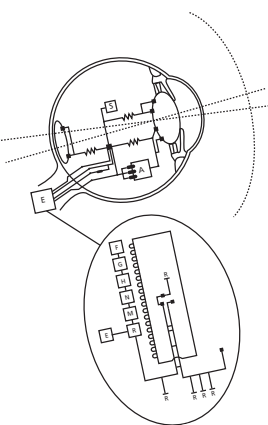
UNTANGLE MYSTERIES OF THE BODY

Biologists study everything from animal, plant, insect, and microbial life to the human body, exploring how these organisms function at the cellular, biochemical, and molecular levels. Those who earn degrees in **BIOLOGY** might work as researchers, college professors, environmental health officers, geneticists, patent lawyers, and physicians. Often, they're involved in either basic research (investigating bacteria and viruses, for instance) or applied research (perhaps using knowledge to discover medicines or ways to protect the environment). *IIT offers a dual admission program with Midwestern University's Chicago College of Osteopathic Medicine and a combined program with the Illinois College of Optometry.*

HELP A BLIND CHILD SEE THE WORLD

If you want to combine interests in engineering and the health professions, **BIOMEDICAL ENGINEERING** is the answer. Biomedical engineers develop new methods for diagnosing and treating diseases—from imaging the internal parts of the body, to designing and constructing life-saving devices, to creating novel systems for delivering drug therapies—that can transform lives. Biomedical engineering students gain a broad understanding of chemical, mathematical, physical, and biological sciences, plus technical and engineering know-how. Biomedical engineers will be at the forefront of advances in medicine in the 21st century. *Home to the Pritzker Institute of Biomedical Science and Engineering, IIT offers biomedical engineering undergraduates specializations in cell and tissue engineering, medical imaging, and neural engineering.*

If you want to combine interests in engineering and the health professions, **BIOMEDICAL**



START THE NEXT BUSINESS REVOLUTION

Advances in science and technology are driving changes throughout business, from entrepreneurial start-ups to multinational corporations. The ability to understand technological innovations and to apply and promote these technologies in the marketplace is increasingly integral to a comprehensive business education. IIT's **BUSINESS ADMINISTRATION** majors combine business expertise with an appreciation of science and technology's potential and impact—and are likely to become tomorrow's visionaries and business leaders. *Through IIT's Interprofessional Projects program, business students collaborate on real-world projects with students from every academic discipline—some leading to new products or even entrepreneurial start-up companies.*

BUSINESS ADMINISTRATION AND APPLIED SCIENCE

majors can take their business degree to the next level. Pairing the traditional business offerings of the Stuart School of Business with concentrated coursework in science and technology provides greater breadth of experience and the opportunity to combine multiple fields of interest. With this degree, students enter the workforce with a solid understanding of business principles and technologies. *With nearly 500 corporate headquarters located in Chicago, IIT students have access to outstanding business practitioners and rich opportunities for employment both during and after their college years.*

IMPROVE HYDROGEN FUEL CELL TECHNOLOGY

In **CHEMICAL ENGINEERING**, the goal is to transform good ideas into practical devices and processes that improve life. Chemical engineers draw on biology, biochemistry, chemistry, math, economics, and finance to project how ideas might work in the larger world and then figure out how to get them there. Chemical engineers generally work in a broad range of industries, including the chemical, electronic, fuels and petrochemicals, biotechnology, food processing, biological engineering, and pharmaceutical industries. Others design chemical plants or conduct research for chemical companies. *Numerous chemical engineering graduates from IIT have been elected into the National Academy of Engineering, one of the most prestigious honors bestowed upon chemical engineering professionals.*

Because everything we do and everything that surrounds us relies on chemicals, the study of **CHEMISTRY** is wide-ranging indeed. Chemists investigate what things are made of, and how they act and interact. They create new materials and find new uses for existing materials. They find ways to stem disease and improve air and water. With a solid background in chemistry, you could conduct research, teach, or work in manufacturing, medicine, transportation, or forensics. *Only IIT offers seven chemistry degree options in interdisciplinary areas: traditional chemistry, biological chemistry, pharmaceutical chemistry, polymer chemistry, materials chemistry, chemical physics, and chemical education.*

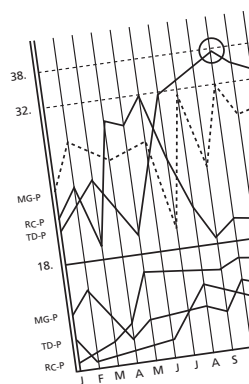
CREATE A BUSINESS TO SELL YOUR OWN INVENTION

In **CHEMICAL ENGINEERING**, the goal is to transform good ideas into practical devices and processes that improve life. Chemical engineers draw on biology, biochemistry, chemistry, math, economics, and finance to project how ideas

BUILD AN ELECTRONIC NOSE TO SNIFF OUT DANGER

might work in the larger world and then figure out how to get them there. Chemical engineers generally work in a broad range of industries, including the chemical, electronic, fuels and petrochemicals, biotechnology, food processing, biological engineering, and pharmaceutical industries. Others design chemical plants or conduct research for chemical companies. *Numerous chemical engineering graduates from IIT have been elected into the National Academy of Engineering, one of the most prestigious honors bestowed upon chemical engineering professionals.*

Because everything we do and everything that surrounds us relies on chemicals, the study of **CHEMISTRY** is wide-ranging indeed. Chemists investigate what things are made of, and how they act and interact. They create new materials and find new uses for existing materials. They find ways to stem disease and improve air and water. With a solid background in chemistry, you could conduct research, teach, or work in manufacturing, medicine, transportation, or forensics. *Only IIT offers seven chemistry degree options in interdisciplinary areas: traditional chemistry, biological chemistry, pharmaceutical chemistry, polymer chemistry, materials chemistry, chemical physics, and chemical education.*



“This ‘telephone’ has too many shortcomings to be seriously considered as a means of communication. The device is inherently of no value to us.”

—Western Union internal memo, 1876

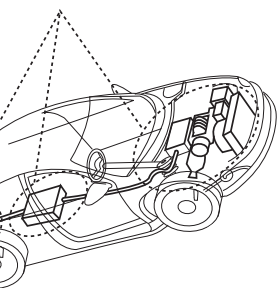
Martin Cooper, who earned his electrical engineering degree at IIT, invented the portable cell phone. He made the first public phone call with the device in 1973. Today there are more than 1 billion cell phone users around the world.



“Stocks have reached what looks like a permanently high plateau.”

—Irving Fisher,
Professor of Economics,
Yale University, 1929

IIT's hometown of Chicago is a hub of economic and scientific activity. The more than 350,000 businesses here—including Fortune 500 companies such as Abbott Laboratories, Baxter International, Boeing, and Motorola—offer job and career opportunities for IIT students.



DESIGN BUILDINGS THAT CAN SURVIVE EARTHQUAKES

With a firm grasp of materials, hydraulics, environmental and geotechnical engineering, and surveying, civil engineers create roads, buildings, airports, tunnels, mass transit systems, bridges, water supply systems, and more. If you pursue **CIVIL ENGINEERING**, you might work for an architectural or engineering firm, in government, or in the construction industry. *Involved in real-world engineering projects, civil engineering students at IIT have worked on the design of a pedestrian tunnel on campus, a monorail system, and IIT's campus center.*

CONTROL THE SCOURGE OF WIRELESS INTERFERENCE

From self-directed vacuum cleaners used in the home to complex robotics used on automated production lines, **COMPUTER ENGINEERING** plays an important role. Relying on both electrical engineering and computer science, computer engineers develop hardware and software and computer-controlled systems. Computer engineering is one of the 10 fastest growing fields in the nation. *Major donations from IIT alumni have resulted in four new laboratories in computer networking, digital design, system-on-a-chip (SoC) design, and very large scale integration (VLSI).*

Computers serve as sophisticated problem-solving tools in many fields. Compared to computer science, **COMPUTER INFORMATION SYSTEMS** offers a more interdisciplinary approach, combining the study of computers with knowledge in another field. You might study business and work in management information systems, or study the sciences and explore computational physics. CIS degree holders pursue careers as computer programmers, enterprise architects, network analysts, or software engineers. *IIT's Computer Science Department includes the Information Retrieval Lab, which spawned a group of people to launch a new start-up company.*

HELP CORPORATIONS ANSWER TOUGH QUESTIONS FASTER

CLEAN UP COMPUTER CODE WITH A BUG DOCTOR

Do you like computers—beyond playing games, blogging, and instant messaging? **COMPUTER SCIENCE** goes deep into the theory and practice of computers. You could go on to develop hardware or software, serve as a network manager, or apply your knowledge to such fields as teaching, law enforcement, or research. *Within six months of earning their degrees, 100 percent of IIT's computer science graduates were working or enrolled in graduate school.*

BUILD A BETTER HYBRID CAR

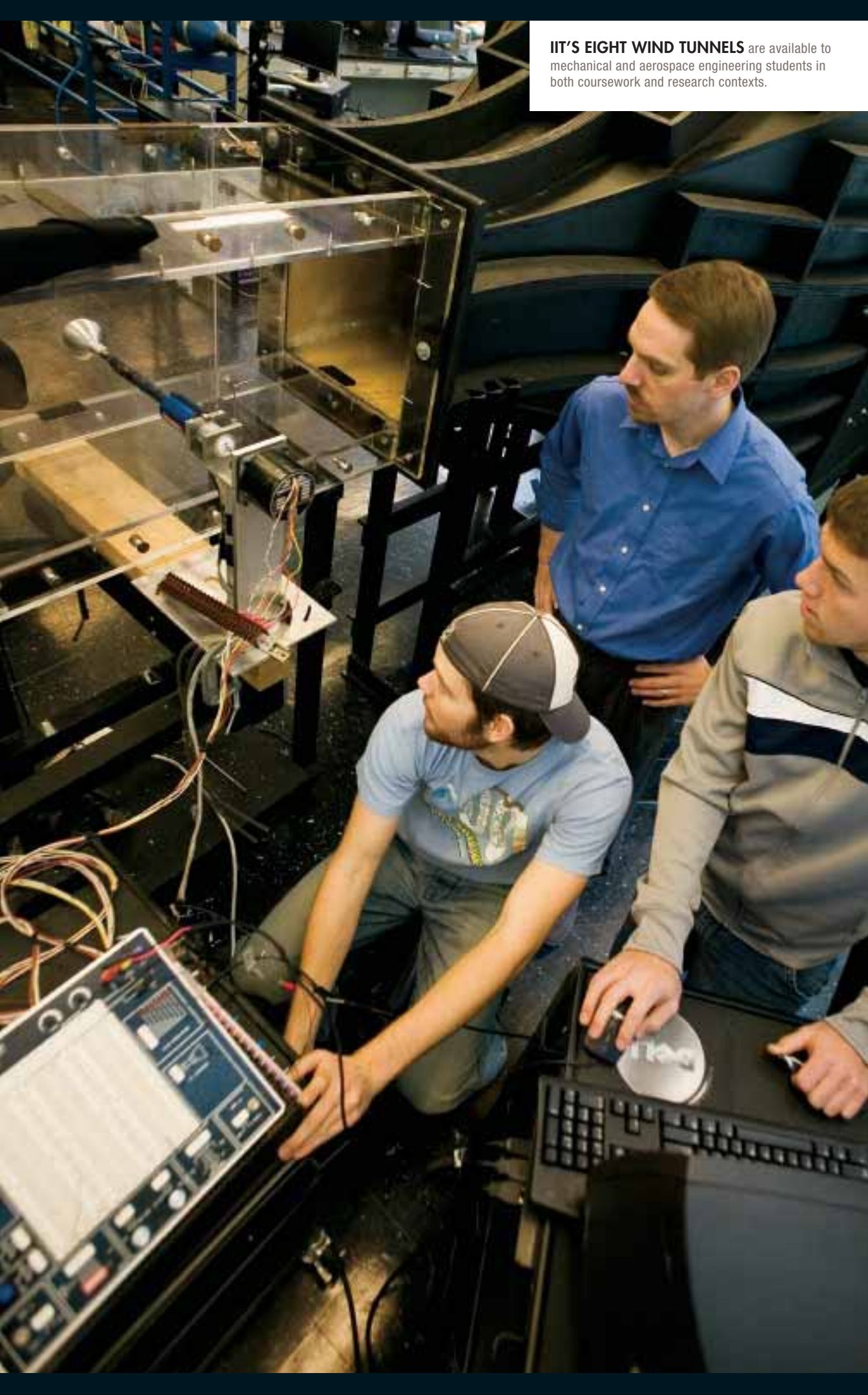
Electrical engineers have had a role in nearly everything we interact with, from computers to microwaves to GPS to electric power generators.

They design new devices and find ways to improve existing devices. To do well in **ELECTRICAL ENGINEERING**, you must have a thorough knowledge of mathematics, physics, chemistry, and computer science, along with an understanding of circuits, electronics, digital and computer systems, electro-dynamics, linear systems, and energy conversion. *IIT recently received a grant to establish undergraduate laboratories on renewable energy, special-purpose electric machines, and automotive power systems.*

STUDY THE PAST, SHAPE THE FUTURE

Computers, scientific discoveries, and technological advances shape our society and our personal lives each day. That's why the study of the **HUMANITIES**—history, philosophy, literature, art and architectural history, and communication—benefits from a scientific and technological context. Inquiry into these wide-ranging topics will help you communicate effectively, think critically, connect ideas, and conduct research. The study of the humanities will make you a more valuable employee in any career—especially in fields that demand an understanding of other cultures. Studying the humanities also serves as good preparation for a medical, law, or advanced business degree. *IIT's nationally known Center for the Study of Ethics in the Professions explores moral and legal issues in engineering, science, and related areas of business.*

IIT'S EIGHT WIND TUNNELS are available to mechanical and aerospace engineering students in both coursework and research contexts.





▲ THROUGH THE UNIVERSITY'S MEMBERSHIP IN ONE OF THE LARGEST LIBRARY CONSORTIA, IIT students have access to library collections of institutions around Illinois and the nation.

TAKE THE NEXT STEP IN YOUR CAREER

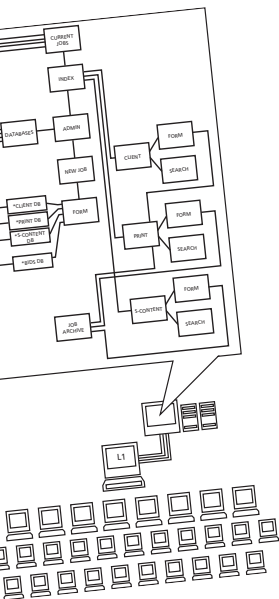
Designed to impart managerial skills to those with technical experience and managerial ambitions, the **INDUSTRIAL TECHNOLOGY AND MANAGEMENT** program, available to transfer students, includes courses on industrial facilities, logistics, and manufacturing technology. Evening and Saturday courses are available, allowing working students to proceed at their own pace. *Program instructors are management professionals from leading businesses and industries, and they know the challenges of the competitive global marketplace.*

ADVANCE NEW IDEAS AND TECHNOLOGIES

As the world becomes wired, **INFORMATION TECHNOLOGY AND MANAGEMENT** is an increasingly in-demand field. IIT's program helps graduates prepare for a career in information technology while equipping them with the skills to cope with new technologies and management principles. Students customize their program from a comprehensive set of courses taught by an extraordinary team of educators, blending theoretical content and practical application to solve real-life problems. *Study culminates in course projects, mentored by faculty, that often lead to awards, media attention, and even employment offers.*

SHAPE THE NEWS OF THE INFORMATION AGE

Every hour seems to bring new technological discoveries and insights—and new questions about their implications for our lives. Staying informed can be a full-time job. That's why communicators schooled in the **JOURNALISM OF TECHNOLOGY, SCIENCE, AND BUSINESS** are so essential today. They serve as gatekeepers in this information age. They decide what news is important and put technological advances into context. With a degree that combines communication skills with an understanding of technology, science, and business, you might work for a magazine, cable television station, satellite radio channel, website, or cell phone news service. *IIT's journalism students gain practical experience through field projects that complement their work in the classroom.*



EXPLORE THE WORLD OF NANOTECHNOLOGY

Many scientific advances would never have occurred without insights into the character and capabilities of materials. The study of **MATERIALS SCIENCE AND ENGINEERING** is vital to everything from computer and electronic products to machinery and transportation. Using knowledge of physics, chemistry, and engineering, materials scientists develop new materials and improve existing materials. More than two-thirds of materials science engineers work in manufacturing industries. *IIT's labs allow researchers to investigate materials using servo-hydraulic, electron microscope and x-ray, high-temperature, high-strain-rate, and impact failure testing facilities.*

MECHANICAL ENGINEERING covers a wide range of engineering topics. Mechanical engineers design, develop, and manufacture anything that produces or uses power, from cars and planes to satellites and robots. To keep up with this ever-evolving field, you need a strong foundation in mathematics, science, and engineering, plus an ability to study and solve open-ended problems. As technologies such as nanotechnology, biotechnology, and robotics continue to emerge, there will be increasing opportunities for mechanical engineers. *In IIT's Computational Design and Manufacturing Lab, undergraduates can learn to use a three-axis computer numerical control (CNC) machine, found today in nearly every manufacturing environment.*

REPLACE BATTERIES WITH MINIATURE ENGINES

The interdisciplinary study of **MOLECULAR BIOCHEMISTRY AND BIOPHYSICS** explores how the essential building blocks of life function. Whether modeling the interactions of individual molecules or observing the behavior of fungi, professionals in these fields make discoveries that improve lives. With a core of coursework in biology, math, chemistry, and physics, you might pursue a career as a researcher, clinical physician, pathologist, surgeon, or patent attorney. *IIT researchers are using X-ray synchrotron radiation science to study proteins; their work could lead to the development of more effective drugs to battle disease.*

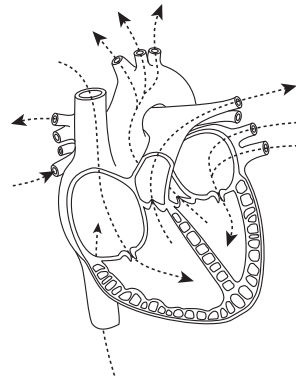
RESEARCH THE WORLD'S NEXT WONDERDRUG

The interdisciplinary study of **MOLECULAR BIOCHEMISTRY AND BIOPHYSICS** explores how the essential building blocks of life function. Whether modeling the interactions of individual molecules or observing the behavior of fungi, professionals in these fields make discoveries that improve lives. With a core of coursework in biology, math, chemistry, and physics, you might pursue a career as a researcher, clinical physician, pathologist, surgeon, or patent attorney. *IIT researchers are using X-ray synchrotron radiation science to study proteins; their work could lead to the development of more effective drugs to battle disease.*

"I think there is a world market for maybe five computers."

—Thomas Watson,
chairman of IBM, 1943

IIT's Main Campus offers many computer labs and workstations, which are equipped with close to 100 different software programs to support student coursework and research.



DURING AN INTERPROFESSIONAL project, IIT students test the stability of a Vertical Take Off and Landing (VTOL) aircraft prototype; they're also investigating the aircraft's marketability.





USE NEUTRINOS TO SOLVE ENIGMAS OF THE UNIVERSE

PHYSICS is all about the physical world. Some physicists focus on theory (What is the nature of time? How did the universe begin?), while others apply what's learned in basic research to practical areas such as materials, electronic and optical devices, and medical equipment. If you're exceptional at analyzing and problem solving and you're good at math, you might be interested in physics. Your career could involve working in a university or government lab or teaching at the college level. Physicists often find their way into the world of finance, where their quantitative skills are particularly valuable. *Qualified IIT students can conduct research in the Chicago area at the renowned Fermi National Accelerator Lab, which explores high-energy physics,*

DEVELOP POLICY ON EMERGING TECHNOLOGIES

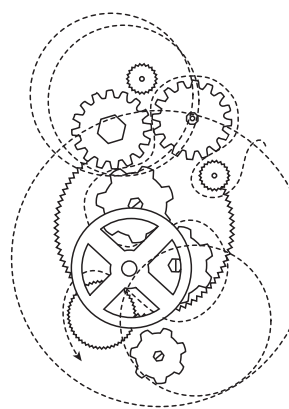
and at Argonne National Laboratory, one of the nation's largest multipurpose research labs.

The study of **POLITICAL SCIENCE** encompasses more than politics itself. You'll learn management, communication, analytic, financial, and problem-solving skills that are valuable if you pursue a career in government or industry or graduate education in business, law, government, and other social sciences. Professionals with a political science background work as researchers, lawyers, journalists, policy analysts, business managers, and politicians. *IIT offers a joint B.S./M.P.A. so you can earn an undergraduate degree and a master's in public administration in five years. IIT also offers a B.S./J.D., which guarantees admission to IIT's Chicago-Kent College of Law.*

FIND FRESH WAYS TO SPREAD THE NEWS

Communication changes almost daily: cell phones become the latest purveyors of current events, blogs take off, and Web conferencing connects business globally. Those in the field of **PROFESSIONAL AND TECHNICAL COMMUNICATION** are on the edge of this frontier. An interdisciplinary education that combines liberal arts and communication with a base of technical knowledge will prepare you well to lead in this field—you can even specialize in Internet Communications. You might work in networking and computer information systems, Web design, multimedia instruction, science journalism, or technical writing. *IIT Professor of Technical Communication Susan Feinberg established the Usability Testing and Evaluation Center to help such clients as Motorola and Bank of America improve the usability of their digital products.*

The pace of scientific and technological advancement is unrelenting, but psychologists never lose sight of the fact that people give those advances meaning. Why people think the way they do and how they interact



"Louis Pasteur's theory of germs is ridiculous fiction."

—Pierre Pachet, Professor of Physiology at Toulouse, 1872

IIT undergraduates recently created a prototype of a device that would allow diabetes patients to monitor their blood glucose without drawing blood. They plan to apply for a patent.

INVENT YOUR OWN FUTURE.

IIT has been named a “Best Value” among U.S. colleges by *U.S. News & World Report*, the *Princeton Review*, and *Fiske Guide to Colleges* for offering an outstanding education at an affordable price.

Are you ready to live and breathe new ideas? Ready for the kind of undergraduate education experienced by some of the most creative minds on the planet? Then maybe you’re ready for Illinois Institute of Technology.

Next time you swipe your ATM card or talk on the cell phone, think of the IIT graduates who invented the technologies that launched those products (and thousands of others). Our alumni—from the former president of Lithuania to the president of Purdue University, from inventors to architects, from photographers to entrepreneurs—make an impact on the world every day.

You’ll find inspiration all around you. On the National Register of Historic Places, our 120-acre Main Campus was designed by Mies van der Rohe, 20th-century architectural pioneer and longtime director and faculty member of IIT’s architecture program. Our newest buildings, the campus center and a residence hall opened in 2003, are the work of world-renowned architects Rem Koolhaas and Helmut Jahn (an IIT alumnus).

IIT combines the cutting-edge research usually found at major universities with the small classes and personal attention usually found at liberal arts colleges (92 percent of our classes have fewer than 40 students). Our faculty members, many world-renowned for their scientific and technological discoveries, come to IIT not only for the opportunity to conduct research, but also to teach students who may become tomorrow’s leaders. While much of the learning is necessarily technical and specialized, the inter-professional approach ensures a global perspective, allowing students to explore how technology influences everything from psychology to business.





Think of IIT as an innovation incubator. Good ideas bubble up through IIT's Interprofessional Projects (IPRO) program, something you won't find on any other campus. IPROs bring together undergraduate majors from biology to architecture to business, graduate students, and faculty members. The teams take on real-world problems posed by faculty members, students, or corporate, government, and nonprofit sponsors. Recent IPRO teams have invented medical devices, built a low-cost water purification system for developing countries, and created an automated home-run measurement system for the Chicago White Sox.

Unique in higher education, the IPRO approach closely parallels the best practices employed in professional settings. The experience is so valuable that every student, regardless of major, takes part in at least two IPROs—and it may be one reason 92 percent of our graduates are working full time or in graduate school within six months of receiving their diplomas.

So what are you waiting for? No one's got a patent on the future. It's yours to invent.

▲ THE MAJESTIC

Chicago skyline, just a few miles from the IIT campus (foreground, above), includes many buildings designed by IIT alumni.

IIT undergraduates have been the driving force behind the many patents, published articles, and start-up companies that have emerged from the 600-some real-life projects of IIT's Interprofessional Projects (IPRO) program since it began in 1995.

FIND WHERE YOU FIT IN



Illinois Institute of Technology is big on opportunity, with high-caliber resources and valuable hands-on learning—and small when it comes to community. With just over 2,500 undergraduates, IIT is the kind of place where you don't get lost in the crowd, where professors know their students' names and their interests.

Students here tend to collaborate, not compete. Even in the toughest of classes (and IIT has plenty of those), students work together, commiserate together, and strive to do their personal best. From 50 states and 90 countries, IIT students bring to campus a range of nationalities, perspectives, interests, and tastes. You'll learn a lot from your friends here, whether you're playing together on the soccer field, competing in a national robotics contest, or making it your mission to find Chicago's best pizza.

LIVING ON CAMPUS

More than 70 percent of IIT undergraduates live on Main Campus in one of our residence halls, six fraternity houses, and two sorority houses. The newest residence, State Street Village, features balconies with views of the Chicago skyline and lounges with multimedia entertainment centers.

BEYOND THE CLASSROOM

Students run about 100 organizations, including dozens of academic, honors, and professional groups; cultural and religious groups; and one-of-a-kind groups like 33rd Street Productions (drama troupe), art@iit, and Robotics Lab.

CAMPUS EVENTS

From lectures and seminars to dances, concerts, and parties, there's always something going on around IIT. A sampling of recent events:

- Casino Night Boat Cruise
- Homecoming Week
- International Fest
- Pumpkin Launch
- Robot Wars
- Spring Formal
- Talent Show
- Taste of IIT
- Visits from former CEO of GE Jack Welch and *The Simpsons* writer Mike Reiss
- Women's Jeopardy
- Monthly Day of Service

ATHLETICS

IIT is a member of the National Association of Intercollegiate Athletics (NAIA Division I). IIT athletes have been named NAIA and regional All-Americans and All-Conference selections.

MEN'S VARSITY

- baseball
- basketball
- cross-country
- soccer
- swimming and diving

WOMEN'S VARSITY

- basketball
- cross-country
- soccer
- swimming and diving
- volleyball

CLUB AND INTRAMURAL SPORTS

- badminton
- cricket
- cycling
- fencing
- flag football
- lacrosse
- martial arts
- racquetball
- rock climbing
- water polo





EXPLORE ALL THINGS CHICAGO

This thriving metropolis is near the top of just about every student's list of reasons why they came to IIT. With its career-building opportunities, stunning architecture, culture, and entertainment, Chicago serves as an extension of campus. On the city's South Side, the campus is within sight and sound of U.S. Cellular Field, home of the world champion White Sox. Hop on the elevated train, which runs through the campus center, and in minutes you'll be in the heart of downtown with its skyscrapers, museums, live music, restaurants, and much more.

THINGS TO DO WITHIN MINUTES OF CAMPUS

- Listen to live music at one of dozens of blues clubs
- Run, bike, or blade along the 20-mile Lakefront Trail and beaches
- Read a book at the world's largest public library
- Window shop at the 460 retail stores on the Magnificent Mile
- Study your reflection in "Cloud Gate," a sculpture inspired by a drop of liquid mercury, at Millennium Park (pictured here)

CHICAGO'S ARCHITECTURAL AND ENGINEERING FEATS

- Deep Tunnel (designed to keep waterways clean, the project has been 30 years in the making with 109 miles of tunnels about 300 feet underground)
- Home Insurance Building (first-ever skyscraper)
- IIT campus (Chicago Architecture Foundation leads a "Mies and Modernism" tour)
- Merchandise Mart (world's largest commercial building)
- Reversal of the Chicago River (a wonder of the engineering world)
- Sears Tower (tallest building in the U.S.)

COME AND SEE FOR YOURSELF

IIT AT A GLANCE

A private, independent, Ph.D.-granting, coeducational research university founded in 1890, Illinois Institute of Technology offers today's students a superb education in engineering, computer science, architecture, the sciences, psychology, business, and the humanities, in an environment geared toward the undergraduate student.

Only you can decide if Illinois Institute of Technology is right for you. One of the best ways to find out is to visit campus, meet students and professors, and sit in on a class. You can join a campus tour or interview with an admission counselor. To schedule a visit, call 312.567.3025 or 800.448.2329 (outside Chicago), or see visit.iit.edu.



CAMPUSES

Students spend most of their time on the 120-acre Main Campus, three miles south of downtown Chicago. IIT also includes the Institute of Design, Chicago-Kent College of Law, and Stuart School of Business in downtown Chicago; and the National Center for Food Safety and Technology and Rice Campus, both in the Chicago suburbs.

ACADEMIC MAJORS

- aerospace engineering
- applied mathematics
- architectural engineering
- architecture
- biochemistry
- biology
- biomedical engineering
- business administration
- business administration and applied science

- chemical engineering
- chemistry
- civil engineering
- computer engineering
- computer information systems
- computer science
- electrical engineering
- humanities
- industrial technology and management (transfers only)
- information technology and management
- journalism of technology, science, and business
- materials science and engineering
- mechanical engineering
- molecular biochemistry and biophysics
- physics
- political science
- professional and technical communication
- psychology

SPECIAL PROGRAMS

- dual admission business (B.S./M.B.A.)
- dual admission law (B.S./J.D.)
- dual admission osteopathic medicine (B.S./D.O.)
- dual admission pharmacy (B.S./Pharm.D.)
- math and science education
- pre-law
- pre-medicine
- pre-optometry
- undergraduate research scholars program

CAMPUS RESOURCES

- IIT's Main Campus, on the National Register of Historic Places, includes:
- University Tech Park (UTP), a 1.5 million square foot space to house growing, high-

growth, and spin-off technology companies

- Galvin Library: 760,000 volumes, plus access to 17 million additional volumes
- 8 wind tunnels, including one of the largest university-owned tunnels
- S. R. Crown Hall, one of Mies van der Rohe's masterpieces
- More than 300 labs, including new undergraduate biomedical engineering and chemistry teaching labs
- Keating Sports Center: basketball/volleyball court that seats 1,600; racquetball/handball courts; 6-lane, 25-yard pool; fitness center

ENROLLMENT

- 2,576 undergraduate students (full- and part-time)
- 3,714 graduate students
- 1,119 law students

FRESHMAN CLASS PROFILE

- 69% men, 31% women
- 36% out-of-state
- 14% international
- 42% in top 10% of high school class
- middle 50% SAT: 1180–1340 (critical reading and math only), ACT: 25–30

ACADEMIC HIGHLIGHTS

- 8:1 student/faculty ratio
- 90% of full-time faculty hold doctorate or terminal degree
- 359 full-time/300 part-time faculty
- 24% of classes have fewer than 10 students; 92% have fewer than 40

TUITION AND FEES 2008–2009

- Undergraduate tuition: \$26,709
- Room and board: \$9,226–\$12,160 (depending on dorm, type of room, and meal plan)
- Fees: \$794

FINANCIAL AID

More than 97% of IIT students receive financial aid. A variety of merit scholarships are available, including four- and five-year full-tuition grants. Aid packages include grants, scholarships, loans, and work-study.

EMPLOYERS OF RECENT IIT GRADUATES

92 percent of IIT graduates are working or pursuing advanced studies within six months of graduation. Here are some of the places they've launched careers:

- 3Com
- Argonne National Laboratory
- Boeing
- Compaq
- Dow Chemical
- Ernst & Young
- Fermi National Accelerator Laboratory
- Ford Motor Company
- General Dynamics
- General Motors
- IBM
- Lucent Technologies
- Motorola
- NASA
- Siemens Medical Solutions
- Tellabs
- Underwriters Laboratories
- U.S. Robotics
- U.S. Steel
- Xerox

GRADUATE AND PROFESSIONAL SCHOOLS

About half of IIT graduates continue with advanced studies. Many stay at IIT, which offers nearly 60 master's and doctorate programs. They also go to:

- Boston University
- Carnegie Mellon University
- The Chicago Medical School
- Columbia University
- DePaul University
- Harvard University
- Indiana University
- Massachusetts Institute of Technology
- North Carolina State University
- Northwestern University
- Oregon State University
- Pennsylvania State University
- Rush Medical College
- Stanford University
- University of California, Berkeley
- University of Chicago
- University of Florida
- University of Illinois at Urbana-Champaign
- University of Michigan
- University of Texas at Austin
- University of Texas Southwestern Medical School
- Yale University



FOR MORE INFORMATION

To join our mailing list, plan a visit, or request more information, go to admission.iit.edu or contact us at admission@iit.edu. For more information about the university, go to: www.iit.edu.

**Office of Admission
Perlstein 101
10 West 33rd Street
Chicago, IL 60616-3793**

**312.567.3025
800.448.2329 (outside
Chicago)
312.567.6939 (fax)**



OUR MISSION

“To advance knowledge through research and scholarship, to cultivate invention improving the human condition, and to educate students from throughout the world for a life of professional achievement, service to society, and individual fulfillment.”



Transforming Lives. Inventing the Future.

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

Need more information? Go to:

admission.iit.edu

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

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