

SPECIAL PROGRAMS

Dual Undergraduate Degree Options

Depending upon interest, capabilities, and goals, and with the permission of their advisers and department chairs, students may choose dual undergraduate degree programs or select one of the options listed below.

Bachelor of Science in Biochemistry/Bachelor of Science in Psychological Science

Students interested in this program should consult a Department of Biology or Department of Psychology adviser.

Bachelor of Science in Biology/Bachelor of Science in Psychological Science

Students interested in this program should consult a Department of Biology or Department of Psychology adviser.

Bachelor of Science in Computer Engineering/Bachelor of Science in Computer Science

Students interested in this program should consult a Department of Computer Science adviser. First-year students entering the university with a significant number of Advanced Placement credits might be able to complete both degrees in four years.

Bachelor of Science in Computer Engineering/Bachelor of Science in Electrical Engineering

Students interested in this program should consult a Department of Electrical and Computer Engineering adviser. First-year students entering the university with a significant number of Advanced Placement credits may be able to complete both degrees in four years.

Bachelor of Science in Mechanical Engineering (ME)/Bachelor of Science in Aerospace Engineering (AE)/ Bachelor of Science in Materials Science and Engineering (MSE)

A dual major in ME and AE, ME and MSE, or AE and MSE may generally be completed in one additional year. Interested students should consult their adviser.

Other Dual Degree Options

Students interested in earning two undergraduate degrees outside of the majors listed above can declare a Dual Degree. Students working towards a Dual Degree must complete 15 hours at Illinois Tech above and beyond those required for their first degree. Upon graduating, the student will receive two diplomas.

Triple Degree Options

Students who wish to declare three majors can share courses between all three degrees, but must complete at least 15 hours at Illinois Tech above and beyond those required for their first two degrees. Upon graduating, the student will receive three diplomas.

Double Major

Students who wish to earn one undergraduate degree with two undergraduate majors can declare a Double Major. This is different from the Dual Degree listed above, because the Double Major does not require 15 hours above and beyond the first major. Due to credit requirements, most majors are not eligible for a Double Major. Upon graduating, the student will receive one diploma with both majors posted.

Co-Terminal Degrees (Bachelor's Degree and Master's Degree)

Co-terminal degrees allow outstanding undergraduate students to simultaneously complete both an undergraduate and graduate degree (bachelor's degree and master's degree).

Co-terminal degrees provide an opportunity for students to gain greater knowledge in specialized areas while completing a smaller number of credit hours with increased scheduling flexibility than the completion of two degrees separately. Because most co-terminal degrees allow students to share course credit (a maximum of nine credit hours), students may complete both a bachelor's and master's degree in as few as five years. Up to a combined total of nine applicable credit hours earned prior to matriculation into an Illinois Institute of Technology graduate degree program, subject to the graduate studies rules and restrictions, may be considered for 1) external transfer credit for graduate transfer credit use; 2) internal transfer credit from an Illinois Institute of Technology undergraduate program; and/or 3) shared co-terminal program credit. More information regarding this policy is available in the Transfer Credit section of the Graduate Bulletin.

Students applying to co-terminal studies must have completed at least 60 credit hours of undergraduate study and at least one full semester at the university. Students must be at least one semester away from undergraduate graduation in order to apply. Applicants are encouraged to have a GPA of at least 3.0/4.0; however, please consult individual departments for their specific GPA requirements. Questions regarding co-terminal admission should be addressed to the Office of Graduate Admission at grad.admission@iit.edu.

Co-terminal students maintain their undergraduate student status while completing graduate coursework, and can maintain financial aid eligibility when applicable.

Co-terminal degrees are awarded simultaneously, and students may not receive their first degree before the requirements of the second degree are satisfied. In such cases, the conferral of the first degree will be held until the completion of the second degree.

Co-terminal degrees can be formal degree pairings, or students may choose to work with advisers to identify alternate bachelor's and master's degree pairings, pending the approval of the prospective graduate program and the student's undergraduate program. For more information on the university's legacy co-terminal degree pairings, please see the Co-Terminal Degree Programs section of this bulletin.

General questions regarding co-terminal degrees may be addressed to cotermdegrees@iit.edu.

Combined Undergraduate/Graduate Law Program (Leading to B.S./J.D. Degrees)

Students in this program study their undergraduate program at the university's Mies Campus and the law school portion of the program at Chicago-Kent College of Law.

Pre-law undergraduate students also have access to pre-law advising and assistance preparing for the LSAT.

Honors Law Program

The Honors Law Program allows students to pursue an accelerated sequence of coursework leading to the Bachelor of Science (B.S.) and Juris Doctor (J.D.) degrees. Students may apply to the Honors Law Program prior to beginning their first year. Applications are also accepted from students in their first or second year, including transfer students. Students who major in Biology, Chemistry, Communication, Computer Information Systems, Digital Humanities, Humanities, Physics, or Psychological Science pursue an accelerated, focused course of study and normally complete both the B.S. degree and the J.D. degree in six years instead of the usual seven years. Students in other majors may also be able to accelerate completion of both degrees.

Acceptance by Chicago-Kent is automatic for those students who meet the minimum program requirements, which are:

- Maintain a 3.25 cumulative undergraduate GPA.
- Take the Law School Admissions Test (LSAT) by February of their third undergraduate year at the university if they are in the six-year program or by February of their fourth year at the university if they are not and achieve an LSAT score at or exceeding the median score for the Chicago-Kent entering class.
- Submit a completed application to Chicago-Kent by April 15 of the third undergraduate year if they are in the six-year program or in the fourth undergraduate year if they are not.

Students who participate in the program but who do not meet the criteria for guaranteed admission are invited to apply through the regular competitive application process for admission to Chicago-Kent after three or four years of undergraduate study. In reviewing such applications, consideration will be given to the student's participation in the Honors Law Program.

Premedical Programs

www.iit.edu/premed

Illinois Institute of Technology provides excellent preparation for students planning to attend medical or other health-related professional schools. Students majoring in various fields, listed below, earn a Bachelor of Science degree and, at the same time, fulfill the prerequisites for medical school:

- Science (biology, chemistry, molecular biochemistry and biophysics, physics) with a minor in Premedical Studies. Many science majors will complete most of the courses required for the premedical curriculum as part of their major requirements. These students will not qualify for a Premedical Studies minor.
- Engineering (biomedical, chemical, electrical, materials science, mechanical) and computer science with a minor in Premedical Studies
- Human science and other majors with minor in Premedical Studies

Rapidly advancing technology is changing the practice of medicine. Physicians who have a strong technical background will be among the best prepared to utilize the new technology. The university's curricula emphasize technical proficiency as well as communication and teamwork, which help students develop the interpersonal skills that are critical in the health professions.

Students interested in pursuing careers in medicine, pharmacy, dentistry, osteopathy, optometry, and veterinary science should contact the Premedical Office for further information.

Each student works with a departmental premedical adviser to structure a course of study to meet medical school requirements and to prepare for the Medical College Admission Test (MCAT) in the junior year.

The following is a list of Illinois Tech science courses that fulfill the premedical requirements of most medical schools:

BIOL 107	General Biology Lectures	3
BIOL 109	General Biology Laboratory	1

BIOL 115	Human Biology	3
BIOL 117	Human Biology Laboratory	1
CHEM 124	Principles of Chemistry I with Laboratory	4
CHEM 125	Principles of Chemistry II with Laboratory	4
CHEM 237	Organic Chemistry I	4
CHEM 239	Organic Chemistry II	3
CHEM 240	Organic Chemistry Laboratory	2
PHYS 123	General Physics I: Mechanics	4
PHYS 221	General Physics II: Electricity and Magnetism	4

For a competitive application, and to improve performance during the first year in medical school, or to prepare for the MCAT, the following courses are recommended:

BIOL 214	Genetics	3
BIOL 403	Biochemistry	4
BIOL 430	Human Physiology	3
BIOL 445	Cell Biology	3
MATH 425	Statistical Methods	3
PHYS 224	General Physics III for Engineers	3
PSYC 221	Introduction to Psychological Science	3
SOC 200	Introduction to Sociology	3

The Premedical Advisory Committee members monitor academic progress, gather information about volunteer and research opportunities, guide the student through the medical school application process, advise in choosing a medical school and in preparation of the AMCAS application, collect and prepare recommendation letters, and assist in preparation for interviews with medical school admission committees.

Premedical Advisory Committee

Kathryn Spink (Chair) (BIOL)

Somdev Banerjee (CHEM)

Nick Menhart (BIOL)

David Mogul (BME)

Greg Pulliam (HUM)

Contact

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Preparatory Program for Medical Studies (Post-Baccalaureate Premed)

The purpose of the Preparatory Program for Medical Studies is to meet the needs of college graduates who have decided to pursue a medical education but who lack some or all of the basic science courses required for admission to medical school. The objective of the program is to provide rigorous education in all areas of the premedical sciences that are required for admission to any medical, osteopathic, or veterinary school in the country.

Coursework

Students sufficiently prepared in mathematics and English who enter the program in the fall semester can expect to complete the program in two years. The third year is known as the "glide year." This is the year between completing the program and entering medical school. For most students, the glide year provides the opportunity to take additional courses or to deepen their exposure to medicine through full-time employment in a clinical setting or in a medical research laboratory. In order to be eligible for admission to medical school and subsequently, to be licensed to practice medicine, students must complete the following seven courses in the arts and sciences:

- One year of college English, including a significant amount of expository writing
- One year of college mathematics, including statistics
- One year of general physics, including laboratory
- One year of general chemistry, including laboratory
- One year of organic chemistry, including laboratory

- One year of biology, including laboratory, with significant emphasis on molecular and cellular biology
- One year of upper-level coursework in biological sciences, including biochemistry

Advising and Support

On the Mies Campus of Illinois Institute of Technology, there are a number of advisers who together constitute the Premedical Advisory Committee (science.iit.edu/pre-medicine). Preparatory Program students will be assigned an adviser who will be available to counsel them as they plan their program of study and as they prepare their applications to medical school. A number of academic support services will be made available to students in the Preparatory Program. In the university's Academic Resource Center, students can meet with tutors at no expense for additional help in their premedical courses. In the Premedical Office, support staff will collect and send letters of recommendation to medical schools. Each year the Premedical Office and the AMSA-IIT host a number of events specifically for premedical students including special seminars of medical interest and forums in which current students can learn from experiences of those who have already taken the MCAT or been admitted to medical school. Preparatory Program students are invited and encouraged to attend weekly colloquia in the biological and chemical sciences and in other departments offering seminars of medical interest. Finally, the university's location in the city of Chicago is a special advantage to students in the Preparatory Program. The city is home to six medical schools and numerous hospitals and medical research centers. It is also home to the American Medical Association. This concentration of medical practice will provide Preparatory Program students with a wide variety of opportunities to gain experience in both clinical settings and in medical research through volunteer service and paid employment.

Academic Standards

Medical schools expect successful applicants to possess excellent grounding in the premedical sciences. The quality of a student's preparation is measured by the grades earned in premedical courses. For this reason, Preparatory Program students will be held to high academic standards. At a minimum, students must maintain a cumulative GPA of 3.00 to remain in the program. Likewise, medical schools have high expectations about an applicant's character. Students in the Preparatory Program are expected to conduct themselves with honesty and integrity, inspiring confidence in their abilities to assume the responsibilities of medical practice. Students in the Preparatory Program are subject to the academic and disciplinary standards detailed in the Illinois Institute of Technology Student Handbook.

Admissions Eligibility

The student must hold the degree of Bachelor of Arts or Science from an accredited college or university in the United States or an equivalent degree from an institution outside the United States. At a minimum, successful applicants must possess a cumulative undergraduate GPA of 3.00. In most cases, students will not be eligible for admission if they have applied to medical school previously or have completed their premedical preparation elsewhere within the last five years. This is not a remedial program. Students must submit a complete application package to the Office of Undergraduate Admission for full consideration.

B.S./D.O./O.D. Programs

In addition to Premedical Studies, the university offers three dual-degree programs. Students earn a bachelor's degree from Illinois Institute of Technology and a medical degree from the medical or optometry school. These innovative programs are designed to meet the urgent and intensifying need for technologically proficient physicians and researchers. More information can be obtained from the Office of Undergraduate Admission at 312.567.3025 or admission@iit.edu.

Illinois Tech/Midwestern University Chicago College of Osteopathic Medicine Dual Admission Program (4+4)

The Illinois Tech/Midwestern B.S./D.O. Program is an eight-year program open to freshmen applicants in which students complete their Bachelor of Science degree at the university in a major of their choosing. Students must complete a standard curriculum of Premedical Studies either as part of their major or as a Premedical Studies minor, maintain high academic standards, and obtain a satisfactory score on the MCAT. The final four years are spent at Midwestern University-Chicago College of Osteopathic Medicine, during which the student earns the Doctor of Osteopathic Medicine (D.O.) degree.

Illinois Tech/Illinois College of Optometry B.S./O.D. Early Admission Program (3+4)

The Illinois Tech/ICO Program is an early admission program open to sophomores. Students admitted to the program complete three years at the university taking courses leading to a Bachelor of Science degree in Biology and four years at Illinois College of Optometry (ICO). Illinois Tech students are only guaranteed an interview with ICO after they have successfully completed the required biology curriculum outlined by ICO. Courses taken during the first year at ICO also count as senior-year-level biology courses. Students receive the Bachelor of Science in Biology degree from the university after completing the first year at ICO and receive the Doctor of Optometry (O.D.) degree after completing all requirements at ICO. Students must maintain high academic standards and perform satisfactorily on the OPT (Optometry Admissions Test).

Pre-Pharmacy Program

Illinois Institute of Technology and Midwestern University have a Dual Acceptance Program for Midwestern's Chicago College of Pharmacy (CCP). To be eligible for this program, students must meet Illinois Tech's admission requirements and also be selected for admission by the CCP Admissions Committee. Successful applicants will be ensured a seat at CCP upon successful completion of the pre-pharmacy requirements within two years at Illinois Tech; maintain a minimum cumulative pre-pharmacy GPA of 3.20; and earn a grade of "C" or higher

in all required courses. The Pharmacy College Admissions Test (PCAT) is waived for students who successfully complete the pre-pharmacy program at Illinois Tech and who are admitted to CCP in the Dual Acceptance Program.

For further information see www.midwestern.edu.

Certificate Programs

Undergraduate Certificate Programs

The Department of Computer Science offers the Certificate in Foundations of Computer Science. Consult the Computer Science section in this bulletin for further information.

The Industrial Technology and Management program offers the Industrial Technology and Management (INTM) certificate for individuals who want to improve management, supervisory, and decision-making skills required for world-class industrial operations. This certificate does not qualify for federal financial aid. Consult the Industrial Technology and Management section in this bulletin for further information.

The Department of Psychology offers the Certificate in Industrial Training and the Certificate in Recovery Support. The Certificate in Industrial Training is designed to help individuals learn methods of knowledge delivery in industrial training settings. This certificate is only available to students enrolled in a degree program at the university and does not qualify for federal financial aid. The Certificate in Recovery Support is designed for individuals who want to obtain the Certified Recovery Support Specialist (CRSS) or Certified Peer Recovery Specialist (CPRS) credential in Illinois. Consult the Department of Psychology section in this bulletin for further information.

Post-Baccalaureate Certificate Programs

Departments that offer post-baccalaureate certificate programs are: Chemical and Biological Engineering; Chemistry; Civil, Architectural, and Environmental Engineering; Computer Science; Electrical and Computer Engineering; Food Science and Nutrition; Humanities; Information Technology and Management; Mechanical, Materials, and Aerospace Engineering; Physics; and Psychology. Certificate programs are also offered by the Stuart School of Business.

For a complete list of graduate certificate programs; consult the current Graduate Bulletin or admissions.iit.edu/graduate/programs.

Gainful Employment Information

As of July 1, 2011, institutions were required to disclose the following information about each of the institution's certificate programs that lead to gainful employment: the name of the certificate program, the Classification of Instructional Programs Code (CIP) and the Standard Occupation Code (SOC), tuition and fee charges, the typical cost of books and supplies, and the average cost of room and board. As of July 1, 2017, disclosures were made available online for each program on the individual program page.

Per Gainful Employment guidelines, if the number of students who completed a Gainful Employment program during the award year was less than ten, the school cannot disclose median loan debt and on-time completion rate for privacy reasons. Additionally, Illinois Institute of Technology's accreditor does not require the calculation of job placement rates and therefore the university was unable to disclose such rates.

As of July 2019, schools are no longer required to disclose these details starting in July 2020. Thus, the above information is for reference. Gainful Employment regulations may change after the date of this publication. The most current information related to Gainful Employment Programs may be found on the Graduate Admission website at admissions.iit.edu/graduate.

Study Abroad

The university encourages students of all majors to study abroad during part of their undergraduate careers. Studying abroad enriches the college experience by providing a different intellectual and cultural environment and enriches the academic program by giving breadth to the major discipline.

Students wishing to study abroad should contact the Study Abroad Office in the International Center for information and advising. The application process should begin approximately one year before study abroad is anticipated, with the application deadline falling one semester prior to study abroad. Only students whose applications are approved by the Study Abroad Committee are permitted to participate in study abroad. Students maintain full-time student status at the university for the duration the study abroad program. Upon approval from the Study Abroad Office, students must meet with their academic adviser and the Office of Academic Affairs to approve a plan of study.

Further information is available on the Study Abroad website (web.iit.edu/study-abroad).

Exchange Programs

Exchange programs work on the principle of a one-for-one exchange of students, with a balance of students being maintained on a rolling basis. A student pays Illinois Institute of Technology tuition for the term abroad and takes courses at a foreign institution alongside students from the host country. Additional expenses not paid to the university include airfare, housing, meals, books and supplies, and independent travel. Students earn Illinois Tech transfer credit with a passing grade.

Exchange programs are available for most majors, though some may be restricted to a specific department or school. Proficiency in the host language may be required, though many universities offer instruction in English. Consult the individual program pages on the Study Abroad website for more information.

Illinois Institute of Technology has undergraduate exchange programs with the following universities:

- Argentina: Universidad Torcuato Di Tella
- Australia: Queensland University of Technology (QUT)
- Denmark: Technical University of Denmark (DTU)
- France: Institut National des Sciences Appliquées de Lyon (INSA Lyon)
- Germany: Hochschule Pforzheim (Pforzheim University)
- Ireland: University College Cork (UCC)
- Italy: Università IUAV di Venezia (IUAV)
- Mexico: Tecnológico de Monterrey (ITESM)
- Singapore: Singapore Management University (SMU)
- Spain: Universitat Politècnica de Catalunya, Escola Tècnica Superior d'Arquitectura de Barcelona (UPC ETSAB)
- Spain: Universidad Pontificia Comillas
- Sweden: KTH Royal Institute of Technology
- Switzerland: Zurich University of Applied Sciences (ZHAW)
- United Kingdom: University of Birmingham

Illinois Institute of Technology is a member of the Global Engineering Education Exchange (GE3), allowing engineering and computer science majors to study abroad under the one-for-one exchange model at one of 30 other institutions in addition to those listed above.

Partner University Visiting Programs

Illinois Institute of Technology has direct visiting student agreements with more than 30 partner universities around the world. A student takes courses at a foreign institution alongside students from the host country. Students earn Illinois Tech transfer credit with a passing grade. However, no tuition is paid to the university for the term abroad, though a student may pay certain fees, such as a health insurance fee. Tuition, fees, and housing are typically paid to the host partner university, and students must also budget for airfare, meals, books and supplies, and independent travel.

Proficiency in the host language may be required, though many universities offer instruction in English. Consult the individual program pages on the Study Abroad website for more information.

Faculty-led Study Abroad Programs

The university offers summer and semester study abroad programs taught by Illinois Tech faculty. Opportunities vary from year to year, and programs are posted on the Study Abroad website and are publicized by the academic departments. Recent faculty-led programs have included architecture studios in Germany, Ghana, and Italy.

A student registers for an Illinois Tech course, pays Illinois Tech tuition for the term abroad and pays a program fee which typically includes housing and group travel. Additional expenses not paid to the university typically include airfare, meals, books and supplies, and independent travel.

External or Third Party Provider Programs

Another option for students is to participate in a study abroad program organized by a third party provider. Programs of providers who participate in Study Abroad fairs on campus are included in the search engine on the Study Abroad website as external/provider programs. Students may find other programs through their own research. Although these programs are not affiliated with the university, a student may be approved for participation in these programs by following the procedures outlined by the Study Abroad Office.

Students earn Illinois Tech transfer credit with a passing grade. No tuition is paid to Illinois Tech for the term abroad, though a student may pay certain fees, such as a health insurance fee. These programs vary considerably in terms of program structure and what is included in the program fee. It is the student's responsibility to determine program costs and application requirements and to follow the procedures outlined by the university as well as the provider.

Joint Programs

Illinois Institute of Technology has established joint program agreements with the following Chicago-area institutions: Benedictine University, DePaul University, Dominican University, Elmhurst College, Lewis University, and Wheaton College. These programs differ from a 3+2 transfer program in that students earn two degrees: a bachelor's degree in an engineering discipline from Illinois Tech and a bachelor's degree in an approved discipline from their host school.

Students will live on the campus of their host school while completing the requirements for both degrees.

Admission into the joint program at another institution does not guarantee admission to Illinois Institute of Technology. For additional information, students should visit the Office of Undergraduate Admission website (admission.iit.edu). Sample curricula for the joint programs are available at the Academic Affairs website (iit.edu/ugaa).

Dual Admission Programs

Illinois Institute of Technology has established dual admission programs with College of DuPage and Joliet Junior College. These 2+2 programs allow students to complete an associate's degree and a bachelor's degree in four years of study with transfer credit. The bachelor's degree program areas include information technology and management (ITM) and psychology. For more information, see the Department of Information Technology and Management or Department of Psychology sections of this bulletin, or contact the Office of Undergraduate Admission (admission.iit.edu).

Reserve Officers Training Corps (ROTC)

ROTC programs are available as minors in the regular university degree programs. These programs enable men and women to become commissioned officers in the U.S. Air Force, Army, Marine Corps, or Navy upon graduation with a bachelor's degree. ROTC/Illinois Tech combined scholarships in many cases allow winners to attend the university free of charge. Contact the Office of Undergraduate Admission (admission.iit.edu) or any of the university's ROTC departments for scholarship/program information.

VanderCook College of Music

Full-time students in good standing may take courses offered at VanderCook College of Music. The following VanderCook courses may be used as humanities electives in all university degree programs: HIST 202, HIST 203, HIST 204, and HUM 301. A maximum of nine credit hours of performance courses may be used as free electives. Please contact the Office of Academic Affairs (web.iit.edu/ugaa) for further information.

Admission to VanderCook courses is on a space-available basis and students may be asked to audition or to satisfy other requirements prior to acceptance into a VanderCook course. Approval by the Student Accounting office is also required since there is a fee for taking a course at VanderCook.

Minor in Music

In collaboration with VanderCook College of Music, Illinois Tech also offers a minor in music. This minor consists of 15 semester hours in music, including a minimum of six credit hours of classroom-based history or theory courses, and a maximum of nine credit hours of performance coursework. Students should contact the Office of Academic Affairs regarding applicability of courses toward a degree program.