

ACADEMIC PROGRAMS

Graduate Degree Programs and General Requirements

The university's Armour College of Engineering, Chicago-Kent College of Law, College of Architecture, College of Science, Institute of Design, Lewis College of Human Sciences, School of Applied Technology, and Stuart School of Business award graduate degrees. In many fields, students in master's programs may choose either a thesis track or non-thesis track program. These academic units also work together to offer a wide variety of joint- and dual-degree programs.

Doctoral Degrees

Applied Mathematics
 Architecture
 Biology
 Biomedical Engineering
 Chemical Engineering
 Chemistry
 Civil Engineering
 Computer Engineering
 Computer Science
 Design
 Electrical Engineering
 Environmental Engineering
 Food Science and Nutrition
 Management Science
 Materials Science and Engineering
 Mechanical and Aerospace Engineering
 Molecular Biochemistry and Biophysics
 Physics
 Psychology
 Rehabilitation Counseling Education
 Technology and Humanities

Law Degrees

Doctor of the Science of Law (J.S.D.)
 Juris Doctor (J.D.)
 Master of Laws (LL.M.)
 J.D./LL.M. in Family Law
 J.D./LL.M. in Financial Services Law (joint degree)
 J.D./LL.M. in Taxation (joint degree)
 J.D./M.B.A. (joint degree)
 J.D./M.P.A. (joint degree)
 J.D./M.S. in Environmental Management and Sustainability (joint degree)
 J.D./M.S. in Finance (joint degree)
 J.D./Master of Public Health (joint degree in cooperation with University of Illinois at Chicago)

Master of Science Degrees

Analytical Chemistry
 Applied Cybersecurity and Digital Forensics
 Applied Mathematics
 Applied Physics
 Architectural Engineering
 Architecture
 Biology
 Biology for the Health Professions
 Biomedical Engineering
 Chemical Engineering
 Chemistry
 Civil Engineering
 Computational Decision Sciences and Operations Research
 Computer Engineering
 Computer Engineering/Electrical Engineering (dual degree)
 Computer Science
 Computer Science/Master of Chemical Engineering (dual degree)
 Electrical Engineering
 Environmental Engineering
 Environmental Management and Sustainability
 Finance
 Food Process Engineering
 Food Safety and Technology
 Industrial-Organizational Psychology
 Management Science
 Manufacturing Engineering
 Marketing Analytics
 Materials Science and Engineering
 Mechanical and Aerospace Engineering
 Molecular Biochemistry and Biophysics
 Physics
 Psychology
 Rehabilitation and Mental Health Counseling
 Technical Communication and Information Architecture
 Technology and Humanities

Professional Master's Degrees

These programs are specifically designed with the needs of professionals in mind. Most are course-only and do not require a thesis. In addition, the GRE requirement may be waived for applicants to professional master's degree programs who hold a bachelor's degree from an accredited U.S. institution with a cumulative GPA of at least 3.0/4.0.

Advanced Manufacturing (M.E.)	Electrical and Computer Engineering
Applied Mathematics	Electricity Markets
Architecture	Energy Systems (M.E.)
Architecture/Landscape Architecture (dual degree)	Engineering Management
Architectural Engineering (M.E.)	Environmental Engineering (M.E.)
Artificial Intelligence	Food Process Engineering
Biological Engineering	Food Safety and Technology
Biology	Geotechnical Engineering (M.E.)
Biomedical Engineering (M.E.)	Health Physics
Biomedical Imaging and Signals	Industrial Technology and Operations
Business Administration (M.B.A.)	Information Technology and Management
Business Administration/Design (dual degree)	Intellectual Property Management and Markets
Business Administration/M.S. in Environmental Management and Sustainability (dual degree)	Landscape Architecture
Business Administration/M.S. in Finance (dual degree)	Manufacturing Engineering (M.E.)
Business Administration/M.S. in Marketing Analytics (dual degree)	Materials Chemistry
Business Administration/Public Administration (dual degree)	Materials Science and Engineering (M.E.)
Chemical Engineering	Mathematical Finance
Chemical Engineering/M.S. in Computer Science (dual degree)	Mechanical and Aerospace Engineering (M.E.)
Computational Engineering	Network Engineering
Computer Science	Pharmaceutical Engineering
Construction Engineering and Management (M.E.)	Power Engineering
Cyber Forensics and Security	Public Administration (M.P.A.)
Cyber Security Engineering	Public Works (M.P.W.)
Cybersecurity	Structural Engineering (M.E.)
Data Science	Technological Entrepreneurship
Design	Telecommunications and Software Engineering
Design Methods	Transportation Engineering (M.E.)
	Urban Systems Engineering (M.E.)
	VLSI and Microelectronics

Accelerated Master's Program (AMP)

There are four paths to the completion of an accelerated master's degree at Illinois Tech:

1. Co-terminal paired bachelor's and master's programs completed concurrently (see more information in the Co-Terminal Degree Programs section (p. 3))
 - a. These programs have been pre-selected for pairing between the same academic discipline of undergraduate study or a different discipline.
 - b. Graduate co-terminal admission is required when a student reaches a minimum of 60 earned or in-progress credit hours (see more information in the Synopsis of Co-Terminal Studies section).
 - c. The student must submit a declaration of shared and non-shared courses (explicitly for graduate use) in the first semester of co-terminal enrollment.
2. Co-terminal unpaired bachelor's and master's programs completed concurrently
 - a. These programs are not a pre-selected pair.
 - b. The student must have advance approval from both the undergraduate and graduate academic units for the program of interest, including the intended shared courses.
 - i. The approval process is called a Declaration of Intent and may be filed after the first semester of undergraduate enrollment.
 - ii. Selected shared courses must explicitly satisfy the approved graduate curriculum without course substitution.
 - c. Subsequent admission to the master's program of interest is required.
 - d. The student must submit a declaration of shared and non-shared courses (explicitly for graduate use) in the first semester of co-terminal enrollment.
3. Post-baccalaureate master's program (Illinois Tech alums only)
 - a. A master's program that has explicit course requirements, of which the student has fulfilled some shared courses during the completion of an Illinois Tech bachelor's degree.
 - b. The bachelors will be earned no earlier than three years prior to the first term of master's enrollment.
 - i. Up to nine credit hours of relevant coursework may be shared between the two degrees.
 - ii. Consideration of course substitution is at the discretion of the graduate academic unit.
4. Dual degree program with an Illinois Tech partner institution
 - a. Two concurrent master's degree programs, with prior agreement for specific programs between Illinois Tech and a selected partner institution.
 - b. The number of applicable shared credits is determined by the terms of the partnership agreement, but may not exceed nine credit hours. In most cases six credit hours are allowed.
 - c. Consideration of course substitution is at the discretion of the graduate academic unit.

Co-Terminal Degree Programs

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.

All co-terminal degree requirements must be completed within six years of undergraduate matriculation, or the student will be dismissed from the co-terminal degree program. A student who is placed on undergraduate academic probation may be dismissed from the co-terminal program pending review.

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

The following are legacy co-terminal degree pairings as of June 2019. Students may also 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. More information is available in the Co-Terminal Advising section of this bulletin.

Applied Mathematics

Bachelor of Science in Applied Mathematics/Master of Science in Applied Mathematics
Bachelor of Science in Applied Mathematics/Master of Data Science
Bachelor of Science in Applied Mathematics/Master of Mathematical Finance
Bachelor of Science in Computer Science/Master of Science in Applied Mathematics

Architecture

Bachelor of Architecture/Master of Science in Architecture

Biology

Bachelor of Science in Biochemistry/Master of Biology with Biochemistry specialization
Bachelor of Science in Biochemistry/Master of Science in Biology for the Health Professions
Bachelor of Science in Biochemistry/Master of Science in Biology with Biochemistry specialization
Bachelor of Science in Biology/Master of Biology
Bachelor of Science in Biology/Master of Science in Biology
Bachelor of Science in Biology/Master of Science in Biology for the Health Professions
Bachelor of Science in Biomedical Engineering/Master of Science in Biology for the Health Professions
Bachelor of Science in Chemistry/Master of Science in Biology for the Health Professions
Bachelor of Science in Molecular Biochemistry and Biophysics/
Master of Science in Molecular Biochemistry and Biophysics

Business

Bachelor of Science in Applied Mathematics/Master of Mathematical Finance
Bachelor of Science in Business Administration/Master of Public Administration
Bachelor of Science in Business Administration/Master of Science in Finance
Bachelor of Science in Business Administration/Master of Science in Marketing Analytics
Bachelor of Science in Chemistry/Master of Science in Environmental Management and Sustainability
Bachelor of Science in Engineering Management/Master of Public Administration
Bachelor of Science in Social and Economic Development Policy/
Master of Public Administration

Chemical and Biological Engineering

Bachelor of Science in Biomedical Engineering/Master of Chemical Engineering
Bachelor of Science in Chemical Engineering/Master of Biological Engineering
Bachelor of Science in Chemical Engineering/Master of Chemical Engineering
Bachelor of Science in Chemistry/Master of Chemical Engineering

Civil, Architectural, and Environmental Engineering

Bachelor of Architecture/Master of Engineering in Construction Engineering and Management
Bachelor of Science in Architectural Engineering/Master of Engineering in Architectural Engineering
Bachelor of Science in Architectural Engineering/Master of Engineering in Construction Engineering and Management

Bachelor of Science in Architectural Engineering/Master of Engineering in Structural Engineering
Bachelor of Science in Chemical Engineering/Master of Engineering in Environmental Engineering
Bachelor of Science in Civil Engineering/Master of Engineering in Construction Engineering and Management
Bachelor of Science in Civil Engineering/Master of Engineering in Environmental Engineering
Bachelor of Science in Civil Engineering/Master of Engineering in Geotechnical Engineering
Bachelor of Science in Civil Engineering/Master of Engineering in Structural Engineering
Bachelor of Science in Civil Engineering/Master of Engineering in Transportation Engineering

Computer Science

Bachelor of Science in Applied Mathematics/Master of Computer Science
Bachelor of Science in Applied Mathematics/Master of Science in Computer Science
Bachelor of Science in Biology/Master of Computer Science
Bachelor of Science in Biology/Master of Science in Computer Science
Bachelor of Science in Computer Engineering/Master of Computer Science
Bachelor of Science in Computer Engineering/Master of Science in Computer Science
Bachelor of Science in Computer Science/Master of Computer Science
Bachelor of Science in Computer Science/Master of Science in Computer Science
Bachelor of Science in Computer Science/Master of Data Science
Bachelor of Science in Physics/Master of Computer Science
Bachelor of Science in Physics/Master of Science in Computer Science

Electrical and Computer Engineering

Bachelor of Science in Biomedical Engineering/Master of Biomedical Imaging and Signals
Bachelor of Science in Computer Engineering/Master of Science in Computer Engineering
Bachelor of Science in Computer Engineering/Master of Science in Electrical Engineering
Bachelor of Science in Electrical Engineering/Master of Science in Computer Engineering
Bachelor of Science in Electrical Engineering/Master of Science in Electrical Engineering

Food Science and Nutrition

Bachelor of Science in Biochemistry/Master of Food Safety and Technology
Bachelor of Science in Biology/Master of Food Safety and Technology
Bachelor of Science in Chemical Engineering/Master of Food Process Engineering
Bachelor of Science in Chemistry/Master of Food Safety and Technology

Industrial Technology and Management

Bachelor of Industrial Technology and Management/Master of Industrial Technology and Operations

Information Technology and Management

Bachelor of Information Technology and Management/Master of Cyber Forensics and Security

Bachelor of Information Technology and Management/Master of Information Technology and Management

Intellectual Property Management and Markets

Bachelor of Science in Computer Science/Master of Intellectual Property Management and Markets

Mechanical, Materials, and Aerospace Engineering

Bachelor of Science in Aerospace Engineering/Master of Engineering in Materials Science and Engineering

Bachelor of Science in Aerospace Engineering/Master of Engineering in Mechanical and Aerospace Engineering

Bachelor of Science in Materials Science and Engineering/Master of Engineering in Materials Science and Engineering

Bachelor of Science in Mechanical Engineering/Master of Engineering in Materials Science and Engineering

Bachelor of Science in Mechanical Engineering/Master of Engineering in Mechanical and Aerospace Engineering

Physics

Bachelor of Science in Physics/Master of Health Physics

Bachelor of Science in Physics/Master of Science in Physics

Graduate Certificate Programs

Designed to provide knowledge in a specialized area within an academic discipline, these programs typically consist of 9-12 credit hours of coursework that might otherwise be applicable to a master's degree. Students who successfully complete graduate certificate programs and who subsequently apply for admission and are admitted to a master's degree program at the university may apply all approved coursework taken in the certificate program and passed with a grade of "B" or better toward the master's degree. Admission to a certificate program does not guarantee future admission to a degree program.

With a few exceptions, Illinois Institute of Technology's graduate certificate programs are eligible for the Gainful Employment Programs. For a complete list of eligible certificates, see iit.edu/grad_adm.

Chemical and Biological Engineering

Biological Engineering
Current Energy Issues
Particle Processing
Pharmaceutical Engineering
Polymer Science and Engineering
Process Operations Management

Chemistry

Analytical Method Development
Analytical Spectroscopy
Chromatography
Materials Chemistry
Regulatory Science

Civil, Architectural, and Environmental Engineering

Air Resources
Architectural Engineering
Construction Management
Earthquake and Wind Engineering Design
Hazardous Waste Management
Indoor Air Quality
Infrastructure Engineering and Management
Transportation Systems Planning
Water and Wastewater Treatment

Computer Science

Computational Intelligence
Cyber-Physical Systems
Data Analytics
Database Systems
Distributed and Cloud Computing
Information Security and Assurance
Networking and Communications
Software Engineering

Electrical and Computer Engineering

Advanced Electronics
Applied Electromagnetics
Communication Systems
Computer Engineering
Control Systems
Electricity Markets
Power Electronics
Power Engineering
Signal Processing
Wireless Communications Engineering

Food Science and Nutrition

Food Process Engineering
Food Processing Specialist
Food Safety and Industrial Management
Food Safety and Technology

Humanities

Instructional Design
Technical Communication

Information Technology and Management

Advanced Software Development
Cyber Security Management
Cyber Security Technologies
Data Center Operations and Management
Data Management and Analytics
Digital Voice and Data Communication Technologies
Information Technology Innovation, Leadership, and Entrepreneurship
System Administration
Systems Analysis
Web Design and Application Development

Mechanical, Materials, and Aerospace Engineering

Computer Integrated Design and Manufacturing
Product Quality and Reliability Assurance

Physics

Radiological Physics

Psychology

Psychiatric Rehabilitation
Rehabilitation Counseling
Rehabilitation Engineering Technology

Professional Certificates

Stuart School of Business

Business Administration

Compliance and Pollution Prevention
Corporate Finance
Entrepreneurial Finance
Financial Economics
Financial Modeling
Financial Toolbox
Fundamentals of Finance
Innovation and Emerging Enterprises
Investments
Marketing Management
Risk Management
Sustainable Enterprise
Trading

Public Administration

Economic Development and Social Entrepreneurship
Nonprofit and Mission-Driven Management
Public Management
Security, Safety, and Risk Management

Undergraduate Programs

A complete description of undergraduate programs and admission requirements is available from the Office of Undergraduate Admission at admissions.iit.edu/undergraduate.