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

Co-terminal degrees allow outstanding Illinois Institute of Technology 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.

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 co-terminal degrees approved as of June 2018.

**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 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 Sustainability Management
- 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

**Chemistry**
- Bachelor of Science in Chemistry/Master of Chemistry

**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 Civil 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 Biomedical Engineering/Master of Science in Computer Science
- Bachelor of Science in Biomedical Engineering/Master of Science for the Health Professions
- 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 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.