ILLINOIS TECH
Graduate Programs

Armour College of Engineering
Educating a New Generation of Engineers

DEGREE PROGRAMS

Master's Degrees
- Advanced Manufacturing
- Architectural Engineering
- Biological Engineering
- Biomedical Engineering
- Biomedical Imaging and Signals
- Chemical Engineering
- Chemical Engineering with E3 Specialization
- Construction Engineering and Management
- Electrical and Computer Engineering
- Electricity Markets
- Energy Systems
- Engineering Management
- Engineering in Manufacturing
- Engineering in Materials Science and Engineering
- Engineering in Mechanical and Aerospace Engineering
- Environmental Engineering
- Geoenvironmental Engineering
- Geotechnical Engineering
- Network Engineering
- Pharmaceutical Engineering
- Power Engineering
- Public Works (Infrastructure Engineering and Management)
- Structural Engineering
- Telecommunications and Software Engineering
- Urban Systems Engineering
- Transportation Engineering
- VLSI and Microelectronics

Master of Science Degrees
- Architectural Engineering
- Biomedical Engineering
- Chemical Engineering
- Chemical Engineering with E3 Specialization
- Civil Engineering
- Computer Engineering
- Computer Engineering and Electrical Engineering
- Electrical and Computer Engineering
- Environmental Engineering
- Master of Science in Computer Science / Master of Chemical Engineering (Dual Degree)
- Mechanical and Aerospace Engineering
- Materials Science and Engineering
- Mechanical and Aerospace Engineering

Doctoral Degrees
- Biomedical Engineering
- Chemical and Biological Engineering
- Chemical Engineering with E3 Specialization
- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Environmental Engineering
- Geoenvironmental Engineering
- Hazardous Waste Engineering
- Indoor Air Quality
- Infrastructure Engineering and Management
- Microelectronics
- Polymer Science and Engineering
- Process Operations Management
- Product Quality and Reliability Assurance
- Signal Processing
- Transportation Engineering
- Waste and Wastewater Treatment
- Wireless Communications Engineering

Graduate Certificates
- Advanced Electronics
- Air Resources
- Applied Electromagnetics
- Architectural Engineering
- Biological Engineering
- Biomedical Engineering
- Biomedical Imaging and Signals
- Chemical Engineering
- Chemical Engineering with E3 Specialization
- Computer Engineering
- Computer Integrated Design and Manufacturing
- Construction Management
- Control Systems
- Current Energy Issues
- Earthquake and Wind Engineering Design
- Electricity Markets
- Fire Protection and Safety Engineering
- Geoenvironmental Engineering
- Hazardous Waste Engineering
- Indoor Air Quality
- Infrastructure Engineering and Management
- Microelectronics
- Polymer Science and Engineering
- Process Operations Management
- Product Quality and Reliability Assurance
- Signal Processing
- Transportation Systems Planning
- Waste and Wastewater Treatment
- Wireless Communications Engineering

For information on our co-terminal degrees, please visit engineering.iit.edu/programs/co-terminal-degrees

Looking at the world through the lens of innovation

Armour College of Engineering is accredited by the Engineering Accreditation Commission of ABET. For more information on accreditation, visit www.abet.org

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A TRADITION OF EXCELLENCE

Armour College of Engineering has been preparing students to become engineers since 1890—first as Armour Institute of Technology and today as part of Illinois Institute of Technology.

A lot has changed in the past 127 years, but some things remain the same. Armour College is committed to preparing students to lead in a rapidly changing technology-driven, global society—and we are proud to say that our students continue to be among the most sought-after engineering professionals at companies across the United States and around the world.

Armour College graduates have several distinct advantages. They become part of an alumni community that includes Martin Cooper (EE ’50, M.S. ’57), the inventor of the cell phone. They use emerging technologies in their courses and take classes in the newly renovated Rettaliata Engineering Center.

Our graduate engineering education is aligned with global priorities. Our full-time faculty of nearly 100 scholars, researchers, and practitioners are engaged in fundamental and applied research that has global impact.

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Research priorities include advanced materials; autonomous systems; bioengineering; food science/engineering; embedded systems; energy and sustainability; medical imaging; multimedia big data analytics; network and communications; smart grid; and urban systems (transportation sustainability, environmental management, and consumption of electricity). Illinois Tech researchers believe that the endpoint of this evolution will be electrification of most stationary energy uses with such high-tech renewables as photovoltaics, solar-thermal, and wind energy, and the use of hydrogen as the dominant transportation fuel in fuel-cell-powered electric vehicles. Housed within WISER, the Robert W. Galvin Center for Electricity Innovation pursues groundbreaking work in the generation, transmission, distribution, management, and consumption of electricity.

The Pritzker Institute enhances biomedical science and engineering research activities at Illinois Tech through partnerships with prestigious laboratories, including those with Argonne National Laboratory and the University of Chicago. The centers within the Pritzker Institute include the Medical Imaging Research Center, the Center for Integrative Neuroscience and Neuroengineering Research, the Engineering Center for Diabetes Research and Education, the Center for Molecular Study of Condensed Soft Matter; and the Biophysics Collaborative Access Team.

The Engineering Research Institute (WISER)’s goal is to improve energy efficiency, reduce greenhouse gas emissions, increase energy security, and continue the de-carbonization of the global energy system in the most cost-efficient way possible. Illinois Tech researchers believe that the endpoint of this evolution will be electrification of most stationary energy uses with such high-tech renewables as photovoltaics, solar-thermal, and wind energy, and the use of hydrogen as the dominant transportation fuel in fuel-cell-powered electric vehicles. Housed within WISER, the Robert W. Galvin Center for Electricity Innovation pursues groundbreaking work in the generation, transmission, distribution, management, and consumption of electricity.