

ARMOUR COLLEGE OF ENGINEERING

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Armour College of Engineering traces its roots to Armour Institute, founded in 1892 to prepare students of all backgrounds for leadership roles—primarily as engineers—in a challenging industrial society. Armour College carries on that tradition of excellence in engineering education and research.

Today, Armour College is home to about 100 full-time faculty, more than 2,500 undergraduate and graduate students, and the graduate and undergraduate programs of five engineering departments.

Undergraduate degrees offered by Armour College are accredited by the Engineering Accreditation Commission of the Accreditation Board of Engineering and Technology. All Illinois Institute of Technology graduate and undergraduate programs are also accredited by the North Central Association (NCA).

The mission of Armour College of Engineering is to: provide state-of-the-art education and research programs that enhance Armour's reputation as an internationally recognized engineering school; educate a new breed of engineers with a strong fundamental knowledge of engineering principles and an understanding and appreciation of the economic, environmental, and social forces that impact intellectual choices; and strengthen Armour's leadership role by focusing on the core research competencies and enhancing partnerships with industry, government laboratories, and academic and research institutions.

Biomedical Engineering

- Master of Engineering in Biomedical Engineering
- Master of Science in Biomedical Engineering
- Doctor of Philosophy in Biomedical Engineering

Chemical and Biological Engineering

- Master of Biological Engineering
- Master of Chemical Engineering
- Master of Science in Chemical Engineering
- Doctor of Philosophy in Chemical Engineering

Dual Degree Program

- Master of Science in Computer Science/Master of Chemical Engineering

Interdisciplinary Programs

- Master of Chemical Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Science in Chemical Engineering with Specialization in Energy/Environment/Economics (E3)
- Doctor of Philosophy of Chemical Engineering with Specialization in Energy/Environment/Economics (E3)

Certificate Programs

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

Civil, Architectural, and Environmental Engineering

- Master of Engineering in Architectural Engineering
- Master of Engineering in Construction Engineering and Management
- Master of Engineering in Environmental Engineering
- Master of Engineering in Geotechnical Engineering
- Master of Engineering in Public Works
- Master of Engineering in Structural Engineering
- Master of Engineering in Transportation Engineering
- Master of Science in Architectural Engineering
- Master of Science in Civil Engineering with specialization in:
 - Architectural Engineering
 - Construction Engineering and Management
 - Geotechnical Engineering
 - Geoenvironmental Engineering
 - Structural Engineering
 - Transportation Engineering
- Master of Science in Environmental Engineering
- Doctor of Philosophy in Civil Engineering
- Doctor of Philosophy in Environmental Engineering

Interdisciplinary Programs

- Master of Engineering in Environmental Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Science in Environmental Engineering with Specialization in Energy/Environment/Economics (E3)
- Doctor of Philosophy in Environmental Engineering with Specialization in Energy/Environment/Economics (E3)

Certificate Program in Architectural Engineering

- Architectural Engineering

Certificate Programs in Civil Engineering

- Construction Management
- Earthquake and Wind Engineering Design
- Infrastructure Engineering and Management
- Transportation Systems Planning

Certificate Programs in Environmental Engineering

- Air Resources
- Hazardous Waste Engineering
- Indoor Air Quality
- Water and Wastewater Treatment

Electrical and Computer Engineering

- Master of Biomedical Imaging and Signals
- Master of Electrical and Computer Engineering
- Master of Network Engineering
- Master of Power Engineering
- Master of VLSI and Microelectronics
- Master of Science in Computer Engineering
- Master of Science in Electrical Engineering
- Doctor of Philosophy in Computer Engineering
- Doctor of Philosophy in Electrical Engineering

Dual Degree Program

- Master of Science in Computer Engineering and Electrical Engineering

Joint Degree Programs

- Master of Telecommunications and Software Engineering (with Computer Science)
- Master of Electricity Markets (with Finance)

Interdisciplinary Programs

- Master of Electrical and Computer Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Science in Electrical Engineering with Specialization in Energy/Environment/Economics (E3)
- Doctor of Philosophy in Electrical Engineering with Specialization in Energy/Environment/Economics (E3)

Certificate Programs

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

Mechanical, Materials, and Aerospace Engineering

- Master of Engineering in Manufacturing Engineering
- Master of Engineering in Materials Science and Engineering
- Master of Engineering in Mechanical and Aerospace Engineering
- Master of Science in Manufacturing Engineering
- Master of Science in Materials Science and Engineering
- Master of Science in Mechanical and Aerospace Engineering
- Doctor of Philosophy in Materials Science and Engineering
- Doctor of Philosophy in Mechanical and Aerospace Engineering

Interdisciplinary Programs

- Master of Engineering in Materials Science and Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Engineering in Mechanical and Aerospace Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Science in Materials Science and Engineering with Specialization in Energy/Environment/Economics (E3)
- Master of Science in Mechanical and Aerospace Engineering with Specialization in Energy/Environment/Economics (E3)
- Doctor of Philosophy in Mechanical and Aerospace Engineering with Specialization in Energy/Environment/Economics (E3)

Certificate Program

- Computer Integrated Design and Manufacturing