



COLUMBIA
ENGINEERING



APPLICATION DEADLINES

DECEMBER 15
MS/PhD, PhD, EngScD

JANUARY 15
Priority MS

FEBRUARY 15
Regular MS

CONNECT WITH US

Electrical Engineering Department

✉ info@ee.columbia.edu
☎ 212-854-3105

Graduate Admissions

✉ seasgradmit@columbia.edu
☎ 212-854-4688
🌐 engineering.columbia.edu

📍 500 W 120th St
New York, NY 10027



Scan to explore
the full program

Department of
**Electrical
Engineering**

Connected. Transformative. Intelligent.

Electrical Engineering develops the devices, components, and systems that power future technology. At Columbia, students build depth across areas such as computer engineering, integrated circuits, nanoscale devices, communications, data, energy, and neuroengineering through a flexible, research-connected curriculum.



Areas of Study

- AI Engineering Specialization
- Data-Driven Analysis and Computation Specialization
- Integrated Circuits and Systems Specialization
- Lightwave (Photonics) Engineering Specialization
- Microelectronic Devices Specialization
- Networking Specialization
- Signal Processing and Control Specialization
- Smart Electric Energy Specialization
- Specialization in Wireless and Mobile Communications
- Systems Biology and Neuroengineering Specialization

Your Future Starts Here

Columbia Electrical Engineering offers a flexible MS curriculum that lets students build in-depth knowledge through predefined specialties or strategically selected courses across the School of Engineering. MS students can also participate in research for academic credit, pursue an optional MS thesis, and connect their studies to job searches or doctoral applications.



Career Pathways

- Electronics, circuits, and semiconductor technologies
- Communications, networking, and internet systems
- Data, signal processing, learning, and control
- Smart energy and power systems
- Computer engineering and embedded systems
- Research, PhD study, and advanced engineering roles



Graduate Degree Programs

Electrical Engineering: Bridge to MS, **MS, PhD, MS/PhD, EngScD
Computer Engineering: Bridge to MS, MS
Quantum Science & Technology: MS

**Offered online and on-campus

