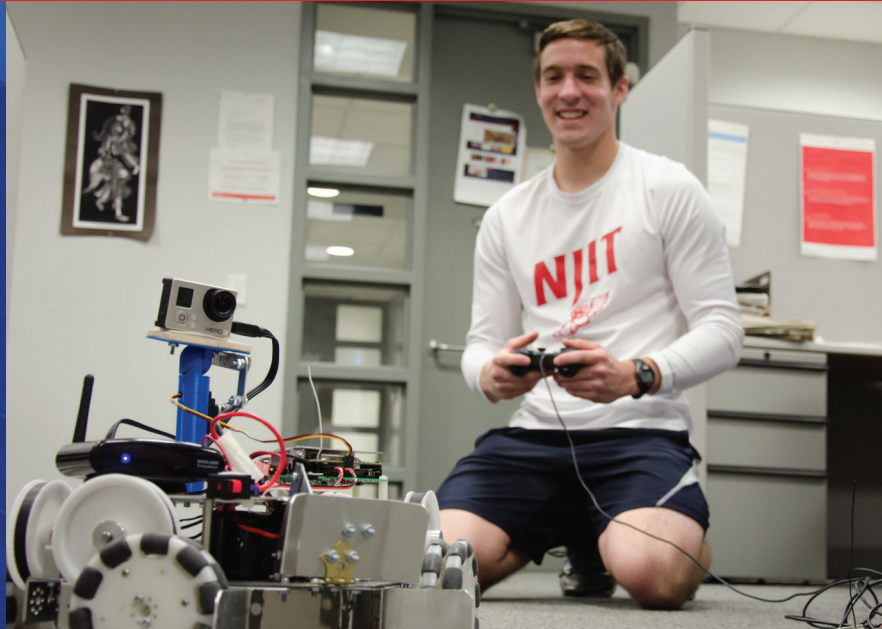


M.S. IN ELECTRICAL ENGINEERING

Stand out in a world of increasing technological complexity.

Electrical Engineering is essential for global growth. From healthcare to entertainment to telecommunications, electrical engineers drive innovation across a spectrum of industries. NJIT's #1-ranked department will springboard your Electrical Engineering career.

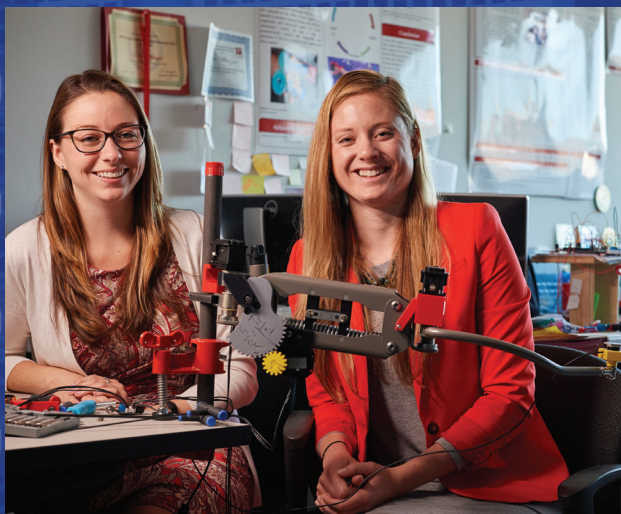
Electrical Engineering is a diversified and challenging profession concerned with the design, development, fabrication, and control of the electrical devices upon which our technological society so largely depends.



DISCOVER

Electrical Engineering at NJIT

mselectricalengineering.njit.edu



 **100** years
NEWARK COLLEGE
OF ENGINEERING
NEW JERSEY INSTITUTE OF TECHNOLOGY

A Top 100
National
University

-2020 U.S. News
& World Report

\$94,000+
Average
Mid-Career
Salary

Top 2%
for Return on
Investment

WHAT YOU'LL BE DOING

in NJIT's M.S. in Electrical Engineering Program:

1. Strengthen your command of the latest techniques and methodologies in electrical engineering.
2. Learn beyond the classroom, working one-on-one with faculty researchers in state-of-the-art labs.
3. Develop the skills necessary to become a leader/manager in industries like telecoms, robotics, signal and image processing and energy.

DEGREE REQUIREMENTS

Thirty credit hours are required.

Choose a specialization:

- Communications, signal processing, and microwave engineering
- Mechatronics, an interdisciplinary field that includes mechanical and controls engineering
- Power and energy systems

CORE COURSES

		CREDITS
ECE 601	Linear Systems	3
ECE 673	Random Signal Analysis I OR	3
CE 620	Electromagnetic Field Theory	

AREA REQUIREMENTS AND ELECTIVES

IN FOCUS AREAS:

- Communications, Signal Processing and Microwave
- Computer Networking
- Computer Architecture
- Solid State, VLSI and Electro-optics Systems
- Intelligent Systems

THREE PROGRAM OPTIONS:

- 24 course credits and 6 credits of Master's thesis
- 27 credits and 3 credits of Master's project
- 30 course credits

WHERE DO ELECTRICAL ENGINEERS WORK?



COMMON PROFESSIONS

- Hardware Engineer
- Advanced Automation & Robotic System Engineer
- Network Design Engineer



TOP COMPANIES

- Tesla
- Lockheed Martin
- Intel

TAKE THE NEXT STEP IN YOUR ELECTRICAL ENGINEERING JOURNEY.

**APPLY NOW:
NJIT.EDU/APPLY**



Office of University Admissions
New Jersey Institute of Technology
University Heights
Newark, NJ 07102-1982

Phone: 1-800-925-NJIT / 973-596-3300
Fax: 973-596-3461
Email: admissions@njit.edu

