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.

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DISCOVER Electrical Engineering at NJIT
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$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

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<th>COURSE</th>
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<td>ECE 601</td>
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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.

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