



M.S. in Electrical and Computer Engineering

The M.S. in Electrical and Computer Engineering aims to equip students with advanced technical skills while deepening technical expertise in the department's key areas of AI-Powered Microchips and Systems, Robotics and Autonomous Systems, Quantum and Nano Technologies, Cybersecurity and Cyber-Physical Systems, and related fields.

WHAT TO EXPECT

Advanced Digital Systems Training

- Gain deep expertise in both hardware and software, including how they interact to shape next-generation digital systems. Coursework spans AI, robotics, telecommunications, quantum computing, and secure computing.

Research and Discovery

- Work closely with faculty on innovative projects, complete a research thesis, and contribute to work that may lead to publications or patents.

Industry Engagement and Career Growth

- Access strong corporate connections, internships, and innovation platforms that support industry partnerships and entrepreneurship.

Flexible Program Structure

- Benefit from a program designed to accommodate working professionals while allowing focused study in areas such as artificial intelligence and cybersecurity.



FAST FACTS



\$80-85k
Average
Salary



90%
Graduate
Job Ready



Up to 50%
Tuition
Waivers



10+
Faculty
Members



Not Required
GRE
Scores

Thesis and non-thesis options available

PROGRAM CONCENTRATIONS

This program stands out with its specialized concentrations, designed to prepare students for cutting-edge careers in various high-impact fields.

- Artificial intelligence (AI)
- Cybersecurity



UNIVERSITY OF MIAMI
COLLEGE of
ENGINEERING

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WHY CHOOSE THE U

- The University of Miami ranks #63 among U.S. universities, according to *U.S. News and World Report*.
- We maintain strong ties with tech companies across Florida, facilitating internships and job placements.
- Miami ranks #1 for startup activity in the U.S. according to the Kaufmann index.
- Miami is #3 among top emerging tech hubs in the U.S. according to *Mashable*.
- Our program offers evening classes to accommodate your schedule.
- No prior bachelor's degree in engineering required.

CORPORATE PARTNERS



“The M.S. in ECE program, with its strong emphasis on artificial intelligence, provided me with invaluable exposure to cutting-edge topics through courses that combined rigorous theoretical instruction with hands-on projects, enabling me to apply advanced AI techniques to solve real-world problems. These experiences bridged the gap between theory and practice, equipping me with the skills to translate academic research into impactful engineering solutions.”

- Qisong Zheng, M.S. in ECE, 2025



For more
information



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