ELECTRICAL ENGINEERING, M.S.

INTRODUCTION TO COE AND ECE

Master’s students in the College of Engineering (COE) are among an elite group of people who have chosen to advance their education at one of the premier engineering colleges in the country. The academic programs in UW–Madison’s College of Engineering are highly ranked, and our faculty are widely recognized as leaders in their fields. Here you will find a community in which you will excel. You will find faculty, staff, and peer students who are supportive and committed to your success. You will find rigorous coursework that will prepare you to achieve your goals. You will experience an environment highly conducive to collaboration—and you will meet faculty with a broad range of research interests and connections both on campus and around the world.

The vision of the ECE department is to improve the world through global leadership in electrical and computer engineering research, education, technology transfer, and service to society.

In partnership with our students, it is the mission of the ECE department to:

• Educate and inspire future leaders who contribute to society through the creation, application, and transfer of electrical and computer engineering knowledge.
• Expand knowledge through research into new technologies, design methods, and analysis techniques.
• Serve the state of Wisconsin, our nation, and the world with electrical and computer engineering expertise.

ECE M.S. DEGREE OPTIONS

ECE offers four master’s degree named option programs that lead to the M.S. Electrical Engineering degree:

• Research—traditional two-year master’s program culminating in a thesis or research project.
• Professional—accelerated, course-based master’s program with the opportunity to choose a specialty area.
• Machine Learning and Signal Processing—accelerated, course-based master’s program tailored to the area of machine learning and signal processing.
• Power Engineering (http://guide.wisc.edu/graduate/electrical-computer-engineering/electrical-engineering-ms/electrical-engineering-power-engineering-ms/#text)—online, off-campus program in power engineering designed for working professionals.