

# ELECTRICAL AND COMPUTER ENGINEERING, MS

## 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 Department of Electrical and Computer Engineering has a long tradition of excellence in educating, mentoring, and inspiring future leaders; conducting research that is of vital importance to society; and serving Wisconsin, our nation, and the world through professional pursuits.

**Our Vision** is to improve the world through bold research, educational excellence, effective technology transfer, and impactful service.

**Our Mission** is to foster a diverse and inclusive community that advances the frontiers of engineering, disseminates discoveries and inventions, and prepares students to make the world a better place for all.

## ECE MS DEGREE OPTIONS

ECE offers four master's degree named option programs that lead to the MS Electrical and Computer 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—online**, off-campus program in power engineering designed for working professionals.