# SNAPSHOT

DEPARTMENT OF
## ELECTRICAL AND COMPUTER ENGINEERING
UNIVERSITY OF WISCONSIN-MADISON COLLEGE OF ENGINEERING

### TOP THINGS TO KNOW

Our faculty, staff and students work collaboratively to address some of society's most complex technological challenges, and we are globally known for our innovative research advances. Our diverse faculty—36% of whom are women—are leaders or affiliates of several research centers and institutes at UW–Madison. Their innovations make an impact in areas ranging from energy sustainability and advanced materials and design to machine learning in healthcare. Over the past five years alone, ECE researchers have received 90 patents and disclosed nearly 200 inventions.

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Students at every stage of their educational career benefit from engaging classroom experiences with exceptional instructors; state-of-the-art instructional, lab and design spaces; and opportunities to conduct research. Our faculty members have earned prestigious honors for their teaching excellence including Chancellor's Distinguished teaching Awards and national/international teaching recognitions from the IEEE Education Society.

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As a large department in the College of Engineering, we have grown an alumni base of over 13,000 ECE Badgers. Whether overseeing Qualcomm's technical roadmaps for wireless chipsets, creating new technologies that enable deaf and hard-of-hearing people to communicate, serving as the first woman president of the IEEE Engineering in Medicine and Biology Society, or leading as CEO of Rockwell Automation, our alumni have made extraordinary contributions to the lives of people throughout the world.

### STUDENT ENROLLMENT
Fall semester 2024

**ELECTRICAL ENGINEERING**

| 494 | 211 |
|---|---|
| Undergraduate | Graduate* |

**Masters in Electrical and Computer Engineering*

**COMPUTER ENGINEERING**

| 605 | 174 |
|---|---|
| Undergraduate | Graduate** |

*** PhD in Electrical and Computer Engineering*

### NATIONAL PUBLIC RANKING
U.S. News & World Report

**ELECTRICAL ENGINEERING**

| #15 | #9 |
|---|---|
| Undergraduate | Graduate |

**COMPUTER ENGINEERING**

| #11 | #9 |
|---|---|
| Undergraduate | Graduate |

*All information is accurate at the time of publication, September 26, 2025.*

## PLACEMENT
(approximate per year)

**96%**

Undergraduates placed in a job or post-graduate studies within a year of graduation

## STARTING SALARY
(approximate per year)

### ELECTRICAL ENGINEERING

**$81K+** Undergraduate

**$101K+** Graduate

### COMPUTER ENGINEERING

**$87K+** Undergraduate

**$117K+** Graduate

## ACCOMPLISHED FACULTY

**33** Recipients of National Science Foundation CAREER award

**4** Recipients of Presidential Early Career Award for Scientists and Engineers (PECASE)

**35** Fellows of IEEE and other societies

## RESEARCH FUNDING

**$18M**

Annually

## DEGREES OFFERED

### BS

- Computer Engineering
- Computer Engineering: Machine Learning and Data Science
- Computer Engineering: Semiconductor Engineering
- Electrical Engineering
- Electrical Engineering: Machine Learning and Data Science
- Electrical Engineering: Semiconductor Engineering

### MS

- Electrical and Computer Engineering: Research
- Electrical and Computer Engineering: Machine Learning and Signal Processing (accelerated 12-16 month program)
- Electrical and Computer Engineering: Professional (accelerated 12-16 month program)
- Electrical and Computer Engineering: Power Engineering (online)

### PhD

- Electrical and Computer Engineering

## RESEARCH AREAS

- Applied Electromagnetics and Acoustics
- Communications, Networks, Privacy and Security
- Computer Systems and Architecture
- Artificial Intelligence
- Solid-state Electronics and Quantum Technologies
- Optics and Photonics
- Energy Systems
- Optimization and Control

## RESEARCH FACILITIES

- Materials Research Science and Engineering Center
- Wisconsin Centers for Nanoscale Technology
  - Nanoscale Fabrication Center
  - Soft Materials Characterization Lab
  - Nanoscale Imaging and Analysis Center
- Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC)
- Wisconsin Energy Institute
- Wisconsin Institute for Discovery
- Power Systems Engineering Research Center
- Center for High Throughput Computing
- Wide-Bandgap Materials and Devices Lab with III-Nitride MOCVD ReactorLaboratory

Visit our site


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