

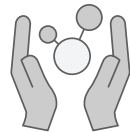


# SNAPSHOT

DEPARTMENT OF

## ELECTRICAL AND COMPUTER ENGINEERING

2022 v1



**Learning by doing.**

Our faculty shape the next generation of problem-solvers and engineering leaders, and we believe the best way for our students to learn engineering is by doing it.



**Discovery through teamwork.**

In our research, we welcome collaboration and believe the greatest discoveries arise when we bring together bright people with diverse backgrounds and experiences.



**Impact through leadership.**

In the spirit of the Wisconsin Idea, we believe that our people, knowledge and advances should benefit people's lives throughout the world.

### STUDENT ENROLLMENT

998

UNDERGRADUATE

349

GRADUATE

### DEGREES CONFERRED

203

UNDERGRADUATE

117

GRADUATE

### NATIONAL PUBLIC RANKING

according to U.S. News & World Report

Electrical Engineering

10<sup>th</sup>

UNDERGRADUATE

8<sup>th</sup>

GRADUATE

Computer Engineering

7<sup>th</sup>

UNDERGRADUATE

8<sup>th</sup>

GRADUATE

## DEGREES OFFERED

### BS

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

### MS

Electrical Engineering: Research  
Electrical Engineering: Machine Learning and Signal Processing\*\*  
Electrical Engineering: Professional\*\*  
Electrical Engineering: Power Engineering (online)

### PhD

Electrical Engineering

\*\*accelerated 12-16 month program

## STARTING SALARIES AND PLACEMENT\*

# \$70,000+

UNDERGRADUATE  
Electrical Engineering

# \$84,000+

UNDERGRADUATE  
Computer Engineering

# 92%

PLACEMENT

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

\*approximate per year

## ACCOMPLISHED FACULTY

# 25

National Science Foundation Career Award recipients

# 3

Presidential Early Career Award for Scientists and Engineers (PECASE) recipients

# 26

Fellows of IEEE and other societies

# >23%

Women faculty (tenure/tenure-track)

## RESEARCH AREAS

Applied Electromagnetics and Acoustics  
Communications, Networks, Privacy and Security  
Computer Systems and Architecture  
Plasma Science and Fusion Energy  
Machine Learning, Signal Processing, and Information Theory  
Solid-state Electronics and Quantum Technologies  
Optics and Photonics  
Energy Systems  
Optimization and Control

## Multi-investigator and shared RESEARCH FACILITIES

HSX - Helically Symmetric eXperiment  
Materials Research Science and Engineering Center  
Wisconsin Centers for Nanoscale Technology  
• Nanoscale Fabrication Center  
• Soft Materials Characterization Laboratory  
• 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 Reactor

## DEPARTMENT CHAIR



**Susan Hagness**  
Philip Dunham Reed Professor  
(608) 265-5739  
[susan.hagness@wisc.edu](mailto:susan.hagness@wisc.edu)



Department of Electrical and Computer Engineering  
UNIVERSITY OF WISCONSIN-MADISON