Our Mission

The combination of disciplines in electrical engineering, computer engineering, computer science, and data science is the principle force behind twenty-first century technology in critical areas: computation, communications, security, and scientific discovery. They lead to disruptive changes in the way we interact with our environment and society, communicate, and improve the quality of life around the world.

Degrees Awarded [2020-21]

- **106** Master’s
- **30** Ph.D.
- **637** Undergraduate

**773** TOTAL DEGREES IN EECS

**$44.6 MILLION**

2020-21 Research Expenditures

Research expenditures include subcontracts, externally, and internally funded projects.

NSF CAREER Award recipients since 1987

**30**
Student Achievement: Students can join numerous engineering student organizations, many of which are dedicated to outreach and service.

Research Areas

- Biomedical Devices and Systems
- Communications, Information Theory, and Coding Over Networked Systems
- Computational Science
- Computer Architecture
- Computer Vision
- Control and Decision Systems
- Data Science and Artificial Intelligence
- Electromagnetics
- Electronic Materials and Devices
- Integrated Circuits and Systems
- Internet of Things
- Network and Mobile Systems
- Operating Systems and Cloud Computing
- Optical Materials, Devices, and Systems
- Power and Energy Systems
- Programming Languages and Compilers
- Remote Sensing and Space Systems
- Security and Privacy
- Signal and Image Processing
- Theoretical Computer Science

The School of EECS offers a variety of professional and academic student organizations, including chapters of:

The Institute of Electrical and Electronics Engineers (IEEE), the world’s largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity.

Eta Kappa Nu, the honors society for IEEE, which is dedicated to encouraging and recognizing individual excellence in education and meritorious work in professional practice.

Association for Computing Machinery, an organization for advancing computing as a science and a profession.

Association of Women in Computing, which aims to attract and retain more women in computer science, computer engineering, electrical engineering, and data sciences.

Centers and Institutes

Center for Artificial Intelligence Foundations and Engineered Systems
Center for Machine Learning and Applications
Center for Computational Biology and Bioinformatics
Institute of Networking and Security Research

U.S. News & World Report Rankings

COMPUTER ENGINEERING:
- Graduate: 27
- Undergraduate: 25

COMPUTER SCIENCE:
- Graduate: 29
- Undergraduate: N/A

ELECTRICAL ENGINEERING
- Graduate: 25
- Undergraduate: 20

Degrees Offered

B.S. in Computer Science, Computer Engineering, Data Sciences, or Electrical Engineering
M.Eng. in Computer Science and Engineering
M.S. in Computer Science and Engineering or Electrical Engineering
Ph.D. in Computer Science and Engineering or Electrical Engineering