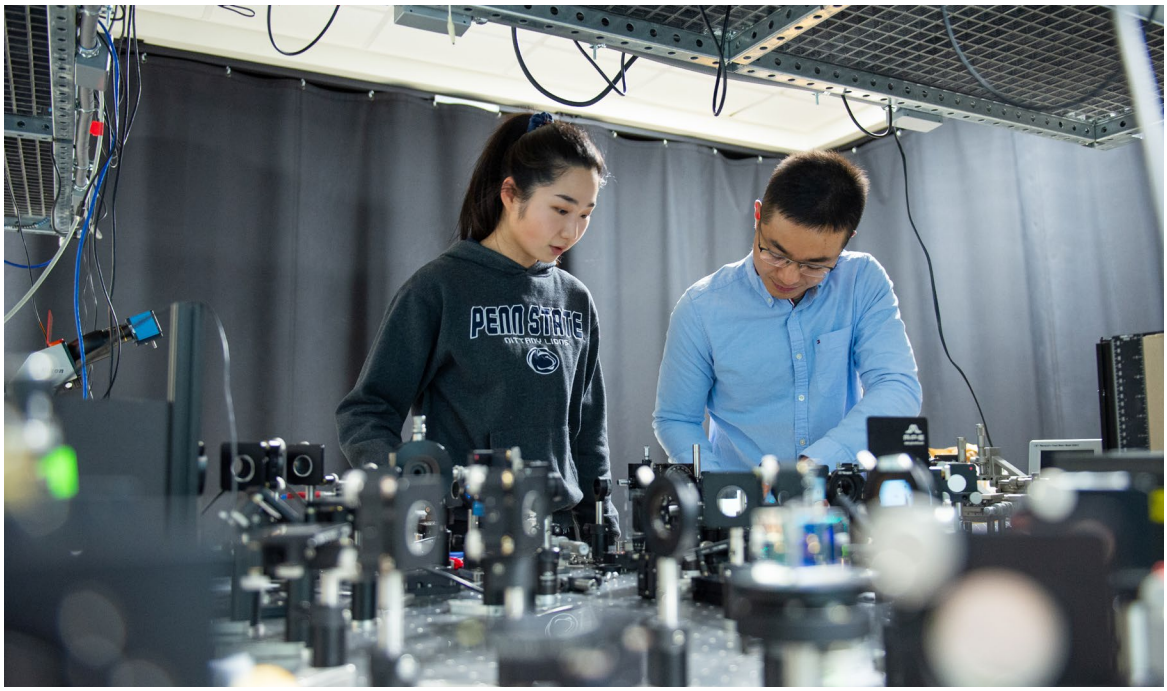
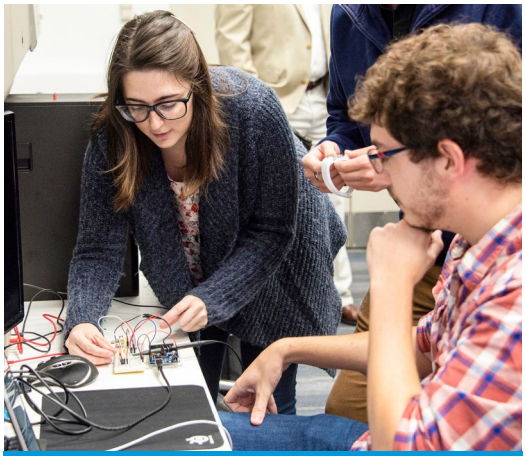
Snapshot

ELECTRICAL ENGINEERING AND COMPUTER SCIENCE



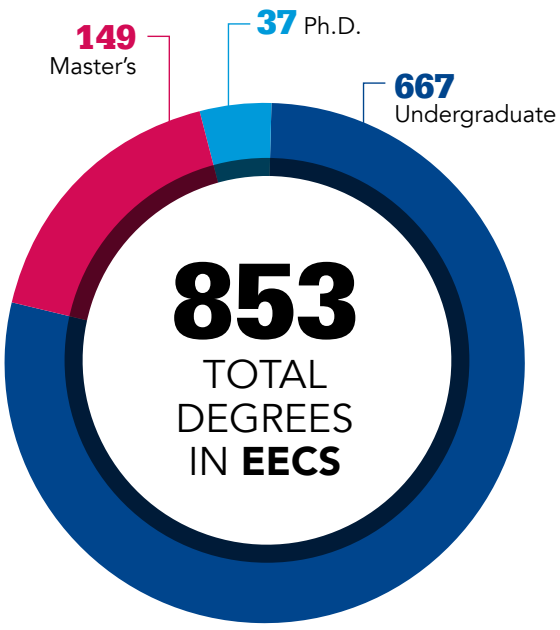
Our Mission

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.



30 NSF CAREER Award recipients since 1987

Degrees Awarded [2022-23]



Facilities

Electrical Engineering East

Electrical Engineering West

Materials Research Lab

Millennium Science Complex

Westgate Building

106 Faculty

Enrollment

1940
Undergraduate
(third- and fourth-year students)

229
Master's

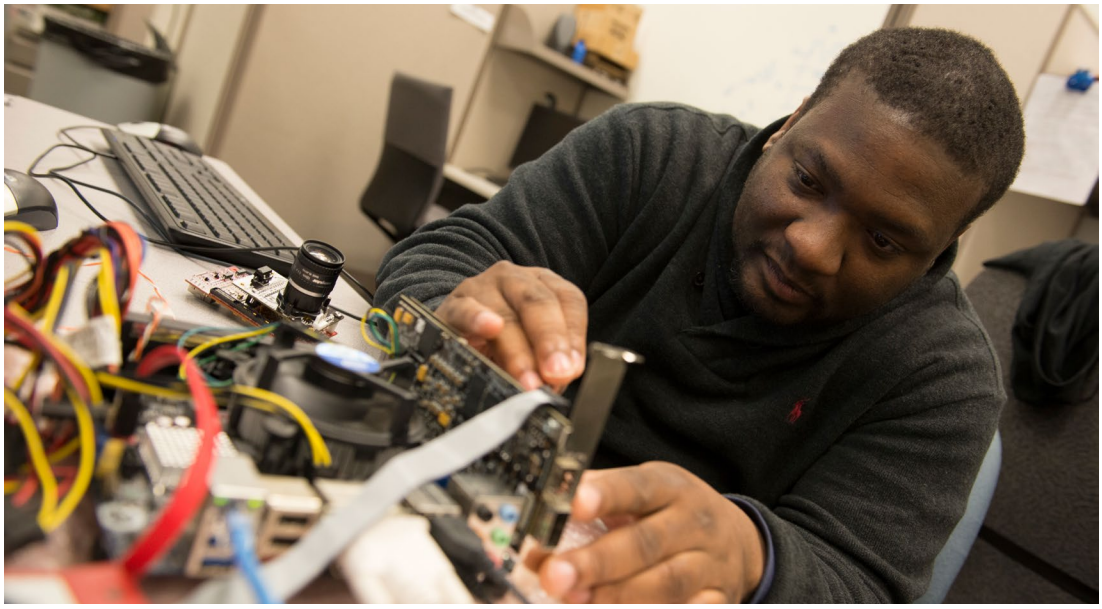
354
Ph.D.

$42 MILLION

2022 Research Expenditures

*Includes externally and internally funded projects, subcontracts, and capital improvements.

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



Research Areas

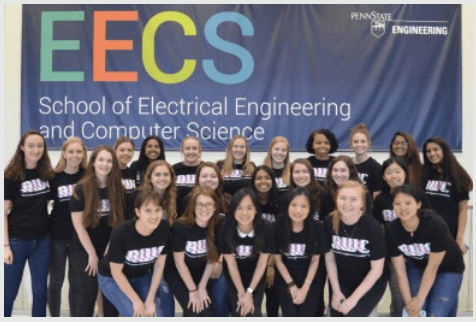
- Biomedical Devices and Systems
- Communications, Information Theory, and Coding Over Networked Systems
- Computational Science
- Computer Architecture
- Computer Vision
- Control and Decision Systems
- Data Science and Artificial Intelligence
- Electromagnetics
- Electronic Materials and Devices
- 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: **26**
Undergraduate**: 25**

COMPUTER SCIENCE:
Graduate: **29***
Undergraduate**: 40**

ELECTRICAL ENGINEERING
Graduate: **28**
Undergraduate**: 27**

* U.S. News & World Report only ranks this program every four years; last ranked in 2018

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

eecs.psu.edu

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PennState College of Engineering

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