The increasing role of technology in communications, transportation, health care, the environment and even the system of wealth distribution makes it vital that students participate in a program that stresses excellence in the mastery of fundamentals, creativity, social awareness, leadership skills and professionalism. Emphasizing these core values ensures that EECS graduates are valued and contributing members of society.

The department is dedicated to educating students who will assume leadership positions in research and in industry. We strive for distinction through excellence, productivity, and innovation. We emphasize a student-centric, experiential learning environment that prepares capable professionals, effective teammates, and life-long learners.

Case EECS is a model for innovative education and research. The department offers four degree programs under one umbrella, which allows students to benefit from the resulting synergy of Electrical Engineering, Computer Science, Computer Engineering, and Systems and Control degrees. The Bachelor of Science educational degrees are all accredited by the Accreditation Board for Engineering and Technology (ABET, Inc).

Our outstanding faculty are involved in cutting-edge research and collaborations. Our department has strong industrial relationships, including job opportunities, sponsored research, and industrial training opportunities.

EECS students participated in the Sixth Annual ION Robotic Lawnmower Competition and won first place with their CWRU Cutter entry.

EECS students won first place in the Ridgid Tool Design Competition with their direct-acting hydraulic system.

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Phone: 216-368-2802
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Facebook group: “EECS @ CWRU”
Two Highlighted Labs

Sears Undergraduate Design Laboratory
- State of the art space that is exclusively devoted to nurturing creative intelligence and entrepreneurial spirit of our undergraduate.
- Supports hands-on engineering experiences, which is an integral part of the complete engineering curriculum.
- Students listen to lectures and demonstrations about practical electronics and then simply walk a few feet to the lab benches where they put theory into practice.
- The lab includes a full-time engineer and technician who have many years of industrial experience and whose primary responsibility is to help students with their projects.

Virtual Worlds Gaming and Simulation Lab
- 24 High Performance Alienware gaming workstations; multiple video game consoles with projection displays; audio and video studio, virtual reality facility
- Video game development; innovative and successful cross-institutional (with the Cleveland Institute of Art and the Cleveland Institute of Music) approach to experiential education; Electronic Arts (EA) game review.

The mission of the EECS department is to:
- Educate students that have the requisite breadth and communication skills to solve significant problems in industry and society through leadership and innovation in their fields
- Advance knowledge in EECS and multi-disciplinary areas through high-impact scholarship and research
- Provide service to the profession, the university, the community and society

The vision of the EECS department is:
The vision of the Electrical Engineering and Computer Science Department is to be recognized as a leader in Electrical Engineering, Computer Science, Computer Engineering and Systems Engineering education and research. This vision will be fulfilled through excellence in education and research in targeted emerging areas.

EECS @ CWRU:
A spectrum of degree programs and research areas that combines
- Electrical Engineering
- Systems and Control Engineering
- Computer Science and Engineering
to enhance connectivity, creativity, productivity, knowledge, information, education, training, perception, health, entertainment, reliability, safety, memory, …, in our lives.

EECS Statement on Academic Integrity:
Academic Integrity is vital to the Department of Electrical Engineering and Computer Science’s approach to education. Every individual in the department is expected to respect the learning process and to avoid any activity that might corrupt it. Our goal is to foster an environment where integrity is affirmed and celebrated by all members of the department.