

ECE Senior Design

ECE Senior Design is a two-semester capstone course that takes students through an entire product development. Students leverage their technical and theoretical training and apply it to an open-ended design problem. Working with industry partners and campus research units, students learn to research and consider various design options and make multiple proof-of-concept product prototypes. They work as a team with their sponsors to design, integrate and test their final solution.

ECE Senior Design projects come from a number of sources: industry, faculty or NCSU research units, research centers, start-up companies and individual entrepreneurs.

Sponsorship Benefits

- Access new technologies, approaches and latest equipment and tools
- Implement a proof of concept for a new product solution.
- Work with bright, enthusiastic, unbiased individuals with new ideas.
- Opportunity to evaluate ECE students as prospective employees.
- Corporate visibility and brand recognition
- Interaction with other companies and NCSU community.



Get Involved

- Support a project idea,
- Sponsor Design Day
- Mentor a project
- Attend Design Reviews
- Be a Design Day Judge
- Offer a Tech-workshop

Sponsor Projects

The program is self-funded – receiving no university or state funding. We are dependent on sponsorship for the purchase of project parts, tools and for program growth.

Contact Us

seniordesign@ncsu.edu

Dr. Rachana A. Gupta

Director, ECE Design Center
(919) 515-6919

Jeremy Edmonson

Associate Director, ECE Design Center



Intellectual Property and Confidentiality: The Senior Design Program has an exemption for IP created for students during their project such that NC State University does not own the rights to generated IP. Students and sponsors may negotiate ownership of this IP as part of the Project Agreement