

ECE SENIOR DESIGN

What's the Program?

ECE Senior Design is a two-semester capstone course that is intended to prepare the students for the workplace. All courses up to this point prepare the students with technical background and theoretical training. In Senior Design, students leverage their technical and theoretical training and apply it to an open-ended design problem. Students learn to work in teams on a "real world" design problem.

They learn to research and specify a design problem, to consider design tradeoffs, and to understand system level and subsystem level implications. They design, integrate, test and improve upon their design. They then present and demonstrate their technical solution at Design Day at semester's end.

Senior Design Funding



Large, Established Companies: \$7,500



Small, Start-up Companies: \$5,000



Individual Projects: \$2,000

Senior Design program runs on the contributions made by supporters. These contributions are used for buying parts and devices for the projects, for maintaining the senior design lab, and buying lab equipment as well as supporting events such as Design reviews, Design Day, etc.

Benefits of Supporting

The Senior Design Program cooperates with industry partners and campus research units to establish real-life design projects for selection by student teams.

Supporters can leverage our highly skilled and motivated emerging engineers to:



Develop proof of concept type work.



Explore or adapt existing solutions on new technology.



Free up company staff engineers for higher priority work.

Contact Information

To learn more about the ECE Senior Design Program, please contact:

Bobby Compton

Director of ECE Senior Design Center

Phone: 919-515-8740

Email: blcompto@ncsu.edu

Dr. Rachana Gupta

Assoc. Director of ECE Senior Design Center

Phone: 919-515-6919

Email: ragupta@ncsu.edu

