Senior Design Projects

The Texas ECE Senior Design Projects provide a unique and supportive environment for industry to work with faculty on senior classroom projects. This mutually beneficial partnership supports academic excellence by ensuring the presence of a top ten ranked department, supporting Texas ECE’s educational mission, and by creating an environment where students can learn from a practical application of learning to real world problems; supports industry needs to present their problems as well as develop strong relationships with students and faculty; and supports the department in providing a robust and practical curriculum with industry expertise, equipment, and funding.

Upper division undergraduate students in Texas ECE complete a required capstone design course sequence. In the courses, students solve open-ended problems submitted by industrial collaborators. Students work in small groups over two semesters to identify an opportunity, define the problem, analyze competing needs and requirements, perform prior art and patent searches, develop alternative designs, carry out cost analyses, and select and implement a design solution.

Learn more about industry collaboration opportunities with the Texas ECE senior design program.

View Projects By Semester

2015-2016 School Year: Fall 2015 | Spring 2016

2014-2015 School Year: Fall 2014 | Spring 2015

2013-2014 School Year: Fall 2013 | Spring 2014

2012-2013 School Year: Fall 2012 | Spring 2013

2011-2012 School Year: Fall 2011 | Spring 2012

2010-2011 School Year: Spring 2011