# Sponsored Capstone

(General Capstone)

### ****ECE 4900: Sponsored Projects****

In the sponsored capstone, students are able to participate in projects including community and industry projects. Projects options may touch upon any fundamental area of electrical and computer engineering, and while some may be purely electrical and computer, others may involve other interdisciplinary work, topically speaking.

There are opportunities to partner with subject-matter experts external to the department who are interested in supporting student projects.

Description:

The application of design principles and methodology to conceptual and detailed technical design, implementation, and testing of a capstone project.

Option 1 prerequisites: 2560, 3010, 3020, 3027, 3030, 3040, 3050, 3090, and 3900, and senior standing, and enrollment in Electrical Engineering Program of Study (EES subplan) of the ECE major.

Option 2 prerequisites: 2050 or 2100, 3020, 3027, 3090, 3561, 3567, 3900, CSE 2231, and 2451, and senior standing, and enrollment in Computer Engineering Program of Study (CES subplan). Prerequisites or concurrent: 3080 and 5362.

Not open to students with credit for 4900H, 4901, or Engr 4903 or 5902.01.

Units: 3 credit hours.

See the list below for immediate past projects:

**2018 Spring Projects**

* Honda DeviceNet
* Honda Predictive Maintenance

**2019 Spring Projects**

* Honda Ethernet Diagnostics
* Lincoln Electric Communications
* OSU Synthetic Aperture RADAR
* OSU Krohn-Hite 3550 filter replacement