General Description. Electrical and Computer Engineering Design I and II is a two semester design sequence (ECE 4901 and 4902) taken by Electrical Engineers and Computer Engineers in their last year at the University of Connecticut. The course objective is to provide students an opportunity to apply their engineering knowledge to solve open-ended design problems using a multidisciplinary team approach.

Corporate Sponsorship
- A donation of $6000 to our senior design fund is expected in support of each project. Interdepartmental projects require a larger donation. This donation is not targeted at the sponsored project but rather used in support of the overall senior design program.
- In addition to the donation, sponsors are expected to cover project costs (components, specialized equipment, etc.) Sponsors may provide these parts directly or UConn can invoice for them at the conclusion of the project. All components, equipment, etc. will be provided to sponsor at the end of the project.

Benefits of Sponsorship
- Broad exposure to our EE and CMPE students and get a head start on recruitment
- Sponsors keep finished projects, which are a source of fresh ideas for solving real-world problems.
- Interaction with faculty and new research ideas
- Support of engineering education at UConn

Team Composition
- Teams are composed of three or more students
- Teams can be multidisciplinary including students from other programs (CMPE, ME, CSE, BME, etc.) as the project scope demands. For single discipline projects, team members are chosen such that the members have different concentrations, expertise, or strengths.
- Each team has a faculty advisor who meets weekly with the students
- Industry sponsors are expected to assign a technical liaison who can meet with the students on a regular basis

Project Scope
- Projects should be appropriate in technical complexity for senior-level engineering students
- Project should be relevant to sponsor needs but not mission-critical
- Project should be scoped for approximately 400 person-hours for a typical three student team
- Project should have a design component and not be overly research focused
• Project deliverables should be well defined before semester and not changed during the year

**Intellectual Property**

• Sponsors may, if desired, require students and faculty advisors to sign non-disclosure agreements at the beginning of the project
• In general, all project documentation is posted on senior design website, and students make several public presentations. Sponsors may request to review all material before posting or presentation in order to remove proprietary material.
• Students are not employees of the university and as such, any intellectual property they generate as a result of the project remains the property of the students. If the sponsor desires, they can request that students sign over rights to the sponsor at the beginning of the project. Students are not obligated to sign these requests, and if so, can be reassigned to other projects.
• Faculty are employees of the university, and any intellectual property that they provide to the project is the property of the university and must be licensed from the university.

**Timeline**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Activity Description</th>
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<tbody>
<tr>
<td>Late July</td>
<td></td>
<td>Provide one-page project summary to UConn</td>
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<tr>
<td>Early September</td>
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<td>Teams are selected and assigned to projects</td>
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<td>Mid September</td>
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<td>First team meeting with sponsor</td>
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<td>Sept. – Dec.</td>
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<td>Team does initial research and prototype design</td>
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<td>Late October</td>
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<td>Team’s first proposal presentation</td>
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<td>Late November</td>
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<td>Team’s second proposal presentation</td>
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<td>Jan. – Apr.</td>
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<td>Team completes design and working prototype</td>
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<td>Late April</td>
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<td>Team’s final presentation</td>
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<td>End of April</td>
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<td>UConn School of Engineering Senior Design Demonstration Day</td>
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**For more information, contact:**

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