



What is the Solutions Center - Senior Design Capstone Program?

The Senior Design Capstone Program is a two-semester (7-month), two-course experiential-learning sequence offered by the Bachelor of Science in Mechanical Engineering (BSME) degree program by the Department of Mechanical Engineering in the Lyles College of Engineering at California State University Fresno projects.

The Senior Design Capstone Program integrates leadership breadth with technical depth in the innovative engineering leadership curriculum. It addresses present-day industry challenges that have solid engineering content.

How do I propose a project for the Senior Design Capstone Program?

Complete and submit a project proposal form for the Senior Design Capstone Program.

What is a Partner-led project in the Senior Design Capstone Program?

Partner-led/sponsored projects in the Senior Design Capstone Program happens when a project uses exclusively (or almost entirely) corporate resources and intellectual property versus university resources and intellectual property. This project model has a faculty instructor and an industry liaison who is the industry point person. At the discretion of the industry sponsor, students may work from the company's physical location or remotely but the industry point person is required to communicate with the team on a regular basis. In this type of project, the first semester (ME135) is the feasibility/design phase of the project and the second semester (ME155) is the procurement/fabrication/testing/delivery phase of the project.

What is an Experience-project in the Senior Design Capstone Program?

Experience-projects in the Senior Design Capstone Program are internally-funded and a project uses exclusively (or almost entirely) university resources and intellectual property. This project model has a faculty instructor and an university liaison who is the point person. At the discretion of the internal sponsor, students may work from a designated university location or remotely but the point person is required to communicate with the team on a regular basis. In this type of project, the first semester (ME135) is the feasibility/design phase of the project and the second semester (ME155) is the procurement/fabrication/testing/delivery phase of the project.

What are the intellectual property (IP) considerations?

See our [Intellectual Property \(IP\) Guidelines](#). In addition, at the company's request, students may sign a Non Disclosure Agreement (NDA).

How much work can be expected from the students over the course of the academic year?

Each student on the team for a University or Partner-led capstone is expected to spend approximately 6 hours per week on the project in the fall semester (ME135) and 9 hours per week in the spring semester (ME155).

What are the roles of the industry point person and faculty advisor?

In a Partner-led project, the industry point person takes the lead in driving project direction. At a minimum, industry point person provides students with a real-world business and technical challenge to help them apply what they are learning in the classroom: technology, communication, business and leadership skills.

Specific commitments will be established and agreed upon among students, faculty, and industry point person(s) at the beginning of each project.

What is the composition of the student team that will work on a project in the Senior Design Capstone Program?

Team size can range from 3 to 7 students per team with an average of 4 students, chosen from various programs.

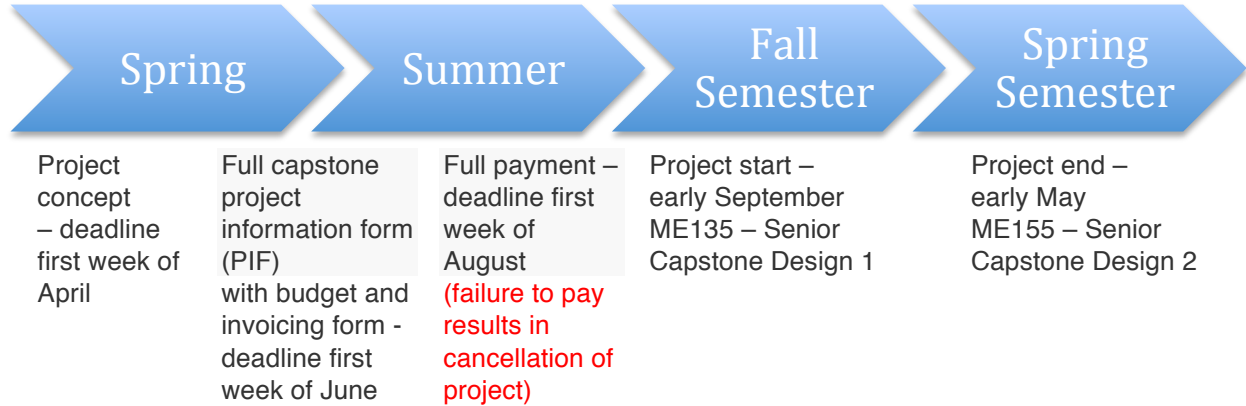
Who will pay for the laboratory equipment and the software that students need in order to work on the projects in the Senior Design Capstone Program?

In a Partner-led projects, industry sponsors should expect to provide all of the necessary resources (laboratory equipment and software) required for the students to work on the project.

What are the important dates and deadlines associated with the Senior Design Capstone Program?

We are take proposals for the upcoming academic year as follows.

- Project concept – deadline first week of April prior to the next academic year
- Full capstone project information form (PIF) with budget and invoicing form - deadline first week of June.
- Full payment – deadline first week of August
(failure to pay results in cancellation of project)
- Project start – early September
- Project end – early May of following calendar year.



Whom do I contact for more information?

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