

# Senior Design Showcase

Friday, December 7, 2018

Program	Course	Time(s)	Location	Format	Team Size (# Teams)	Lead Instructor	Brief Project Description
Civil Engineering	CE 190	<u>Thursday:</u> 4 – 7:30 pm <u>Friday:</u> 2:30 – 6 pm	<u>Thursday:</u> Hinde Auditorium <u>Friday:</u> Union Ballroom II	PowerPoint Presentations	5-6 (11 teams)	Salveson	Student teams design civil engineering systems under realistic environmental permitting constraints. Practicing professional engineers provide mentorship.
Computer Science	CSC 191	9 am – 2 pm	1217 Santa Clara Hall	PowerPoint Presentations	6 (18 teams)	Buckley	Student teams work on the development of a software application for a public or private sector client. Team members must collaborate with each other as well as with their client to ensure the software delivered provides the value that the client expects.
Electrical & Electronic Engineering	EEE 192A / 192B	2 - 5 pm	Santa Clara Hall Breezeway	Poster Presentations	4-6 (5 teams)	Belkhouche	Teams plan, research, and design aspects of energy systems, including generation, transmission, and distribution systems. Emphasis is placed on design philosophies, problem definition, research, project planning, communication skills, teamwork, development of specifications, and effective utilization of available resources.
					4-6 (5 teams)	Mearns	
Electrical & Electronic Engineering / Computer Engineering	EEE 193A / CPE 190	2 - 5 pm	3001 Riverside Hall	Poster Presentations	4-5 (9 teams)	Levine & Tatro	Student teams plan and design electronic engineering devices, systems, and software. Emphasis is placed on design philosophies, problem definition, project planning and budgeting, communication skills, teamwork, development of specifications, utilization of computer aided-design systems, and effective utilization of available resources.
	EEE 193B / CPE 191		Santa Clara Hall Breezeway		4-5 (11 teams)	Vadhva	Student teams design projects started in EEE 193A / CPE 190. The hardware will be completed, tested, and redesigned if necessary. Required software is written, debugged, and incorporated into a written report. The final results of the project are presented.
Mechanical Engineering	ME 191	9 am – 12 pm	Santa Clara Hall Breezeway	Product Demonstrations	4-5 (19 teams)	Bell	Student teams continue the project started in ME 190. Teams fabricate, assemble, test, evaluate, and report on their product, device, or apparatus.
	ME 190			Poster Presentations	4-5 (25 teams)	Vogt	Student teams design a product, device, or apparatus that will be fabricated in ME 191. Students work in small groups and interact with product users, vendors, technicians, and faculty advisors.

**The Order of the Engineer Ring Induction Ceremony, 12 – 1 pm, University Union, Hinde Auditorium.**