

Electrical Engineering and Computer Science Description of Senior Projects

The Senior Project is a required course for seniors in the Electrical Engineering and Computer Science Department. The project takes place over two quarters (Fall and Winter) and provides students with a small group experience in doing collaborative specification, design, simulation, fabrication, and test.

Anticipated Course Outcomes

After completing EECS189A and 189B, students will be able to:

- Identify a problem and formulate a strategy to solve it in a systematic fashion with given constraints of time, budget and other resources.
- Generate necessary project reports such as project proposal, project timeline, design reports, final reports, etc.
- Make necessary presentations for critical review of their work.
- Design, build and test a system or subsystem to meet given specifications.
- Apply the skills they have learned in other courses as well as use modern analysis and design tools in the design of systems and subsystems.
- Work in teams and subgroups.
- Consider the economic, environmental, social, political, ethical, health and safety impact of their final product, as well as study its manufacturability, and sustainability.