

BERKELEY MASTER OF ENGINEERING PROGRAM

CAPSTONE PROJECT PREVIEW 2017-18

CAPSTONE PROJECT SUMMARY

The capstone project is a 5-unit course over both the fall and spring semesters. Students work in teams of 3 to 5 to solve a real-world problem through integration of the depth of knowledge from their technical coursework, with the breadth of knowledge from core leadership curriculum. The capstone projects require teams to develop a solution that meets an industry, market or social need through experimentation, the creation of new knowledge and teamwork.

Berkeley faculty or industry partners propose capstone projects, and serve as technical advisors for the project teams. Many of the projects will be conducted in a Capstone Experience Class that couples the learning of fundamental tools necessary for a successful capstone in the fall semester with the majority of the project work being done in the spring semester. Other projects will be independent, working directly with faculty or industry research groups throughout the year. The details of the selection process vary by department but incoming students will apply to their preferred class/projects during the first few weeks of the fall semester and the faculty or industry mentors will make the final team assignments.



CAPSTONE DELIVERABLES

Each team will be required to give a 10-minute oral presentation and develop an interactive display as part of the Final Capstone Project Showcase in May. Each team will also be required to submit an individual final capstone report. In addition to these reporting deliverables, teams must provide interim project deliverables and one final project deliverable to their project advisors. The nature and form of these deliverables depend on the project and are defined in collaboration with the advisors at the beginning of the project.

2017-2018 CAPSTONE PROJECTS: PARTIAL PREVIEW

We have started soliciting Capstone Project proposals from faculty and industry for the 2017-18 academic year. A preview of what is being proposed for next year will be posted on the new admit website. A complete list with project details will be released to incoming students over the summer. All project ideas are currently tentative and are not guaranteed offered for fall 2017.

EECS 2017-2018 CAPSTONE PROJECTS

For the capstone projects for Master of Engineering in Electrical Engineering and Computer Science (EECS) the department believes that EECS students are going to have a significantly better experience if the projects are followed closely by an EECS professor throughout the academic year. To ensure this, we have asked the faculty in each area for which the Master of Engineering is offered in our department to formulate one or more project ideas that the incoming students will have to choose from. In addition to Capstone Projects, we will also offer two *Capstone Design Experiences*: one in Physical Electronics & Integrated Circuits and one in Visual Computing & Computer Graphics. The design experience is a combination of an introductory class taken in the Fall term to familiarize students with key concepts and tools, coupled with a Capstone Project in the Spring term. Students are expected to obtain multi-faceted and interdisciplinary skills as compared to some of our more specific area-aligned Capstone Project topics. More information is available on the EECS website.