INDUSTRY CAPSTONE PROGRAM

The Industry Capstone Program brings together UW students and companies to tackle real–world, multidisciplinary engineering problems. Sponsors bring in projects from their companies and provide support to teams of creative, talented engineering seniors who will design and build innovative solutions.

HOW IT WORKS

- Companies propose a project for academic review by College of Engineering faculty
- Industry sponsors commit $15,000 to cover project and program costs
- Teams of 4 – 6 students are matched to a project and faculty mentor
- Industry sponsors provide a technical mentor to meet with the team weekly for the duration of the project (January – June)
- With the help of their technical and faculty mentors, students embark on a full cycle design process, including:
  - *Problem definition*
  - *Benchmark studies*
  - *Concept generation and feasibility studies*
  - *Engineering design analysis*
  - *Prototype fabrication and testing when applicable*

BENEFITS TO COMPANIES

- High-touch engagement opportunity to assess student talent and recruit for jobs
- Build brand recognition amongst next-generation engineers
- Low cost opportunity for a fresh look at a problem
- Strengthen ties to the UW College of Engineering
- Professional development opportunity for technical mentor
- Non-exclusive commercial license to any IP developed by student team or UW employee through project
- Provide UW engineering students valuable, career-relevant experiences by applying classroom skills to address real world problems
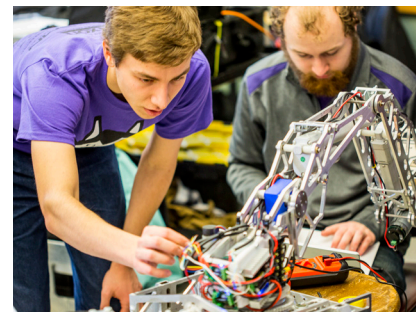
Sample Timeline

August 1 – Project proposals due

Late October – Project launch

Early December – Mentor/adviser orientation and team kickoff

January – June – Project work, weekly team meetings with mentors

June – Final capstone showcase

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