



Innovative Solutions to Real-World Problems

Support tomorrow's industry leaders through our Engineering Capstone Design Program

The Capstone Program at the University of Miami College of Engineering (CoE) brings together students and companies to tackle real-world, multidisciplinary engineering issues. Sponsors challenge students with projects from their companies and provide support to teams of creative, talented engineering seniors to design and create innovative solutions. The CoE can help you in a single or multiple areas, including architectural engineering, biomedical engineering, civil engineering, computer engineering, electrical engineering, engineering design, entrepreneurship, environmental engineering, industrial engineering, and mechanical engineering

How Does the Capstone Program Work?

- Companies propose a project for academic review by the CoE faculty, and commit \$5,000 per semester for a group of two students, or \$10,000 per semester for a team of four students to cover project and program costs
- Student teams are matched to a project along with a faculty mentor
- Industry sponsors provide a technical mentor to meet with the team for the duration of the project
- 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
 - Rapid-prototyping fabrication and testing, when applicable

How Does the Capstone Program Benefit Industry Partners?

- Provides extended and intensive engagement opportunity to access student talent and recruit for jobs
- Builds brand recognition amongst next-generation engineers
- Offers firms a low cost/high reward opportunity for a fresh innovative solution to real-time problems
- Strengthens ties with the University of Miami College of Engineering including faculty researchers and talented engineering candidates
- Opens access channels to technical expertise of faculty and industry advisors
- Includes appropriate non-disclosure agreement to protect sensitive interests and retention of all ownership rights and commercial license to any IP developed by student team or UM employee through project



For more information about how your business can become a Sponsor and obtain benefits provided by the University of Miami College of Engineering Capstone Program, please contact:

Ann Helmers, College of Engineering director of career services, at ahelmerts@miami.edu or (305) 284-2058