

CAPSTONE DESIGN PROGRAM GUIDE



Capstone Design
College of Engineering
UNIVERSITY OF GEORGIA

TABLE OF CONTENTS

2

OVERVIEW

3

PROJECT TIMELINE

4

SPONSORSHIP OPPORTUNITIES

5

ADDITIONAL INFORMATION

6

CONTACT INFORMATION



Capstone Design

College of Engineering

UNIVERSITY OF GEORGIA

OVERVIEW

The College of Engineering Capstone Design course provides industry and community partners the opportunity to work with a multidisciplinary team of engineering and computing students focused on accomplishing innovative and impactful projects.



Over the course of this two-semester program, students lead engineering design projects from planning to completion. While benefiting the client, students develop essential leadership and professional skills required of them when entering the workforce, including creative problem solving and cooperative collaboration. The ethics, laws, rules and regulations, licensure, leadership, and professional practice of engineering are also important aspects threaded throughout this course.

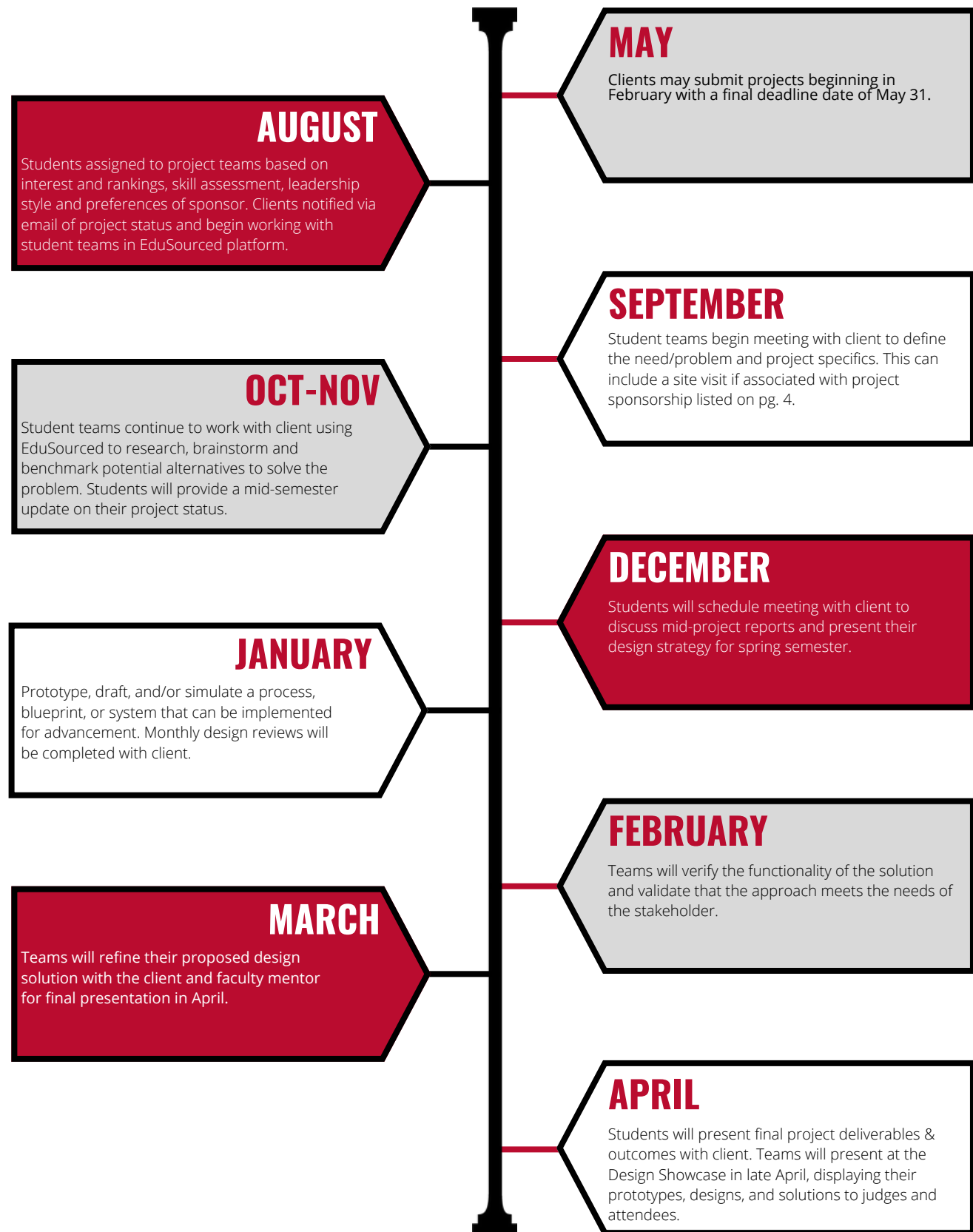
Student teams are comprised of 3-5 members and receive guidance throughout the project cycle from an appointed faculty mentor and a designated point of contact within the partner organization. Project assignments are based on the needs and preferences of the client, faculty recommendations and assessment of student skills, and student interest and project rankings at the start of the fall semester.

Once assigned, students work with clients and supervisors using the EduSourced project management platform. This platform centralizes all communication and files related to the project, while facilitating collaboration and remote work with both students and faculty mentors to achieve project milestones.

The capstone design course concludes each year with the Design Showcase, where students present prototypes and design solutions developed for their projects. The course timeline and additional information about becoming a project sponsor may be found on the following pages.

Depending on the scope and scale of the project, Intellectual Property, Material Transfer and/or Non-Disclosure Agreements may need to be established to initiate the project. We will work with clients to ensure such documentation is completed during the early stages of project design.

PROJECT TIMELINE



SPONSORSHIP OPPORTUNITIES

Capstone Design Program sponsorship provides funding to support project materials, leadership development certification, project supervision, software, tools, and other resources to ensure students reach the best outcomes for their clients. Capstone design program participation and sponsorship has been used by many companies and organizations to recruit talented graduates. Contributions from sponsors allow the college to continuously make enhancements to improve the student and client experience, while eliminating financial barriers that could potentially hinder successful project outcomes.

***All supporters through the sponsorship options below will receive priority consideration of projects as student teams are being assigned.**

SPONSORSHIP LEVELS

FOUNDATIONAL SPONSOR - \$5,000

- Listed as industry supporter on College of Engineering capstone website
- Priority consideration of 1 project proposal
- Site-visit for project team (within budget and reason)
- Logo displayed at Capstone Design Showcase and in event program
- Registration for 1 guest at Design Showcase Luncheon

PREMIUM SPONSOR - \$10,000

- All aspects of Foundational Sponsorship plus:
- Ability to submit 1 additional project with priority consideration during project selection process
- Promotion of company support on College of Engineering social media channels
- Creation of project highlight video to be featured on College of Engineering social media and capstone website
- Registration for up to 2 guests at Design Showcase Luncheon

ELITE SPONSOR - \$25,000

- All aspects of Premium Sponsorship plus:
- Consideration as Design Showcase Sponsor, to include promotion of support in all event marketing materials
- Registration for up to 4 guests at Design Showcase Luncheon where company will be recognized as Showcase Sponsor
- Included as College of Engineering Black Level Corporate Partner, benefits include:
 - Display of company logo on Corporate Partner Wall within Driftmier Engineering Center
 - Complimentary registration for Spring and Fall UGA Engineering & Computer Science Career & Internship Fair (2 events, \$1,500 total value)
 - 2 registrants for the National Engineers Week Banquet (February)
 - Early access to Employer of the Day date selection

ADDITIONAL INFORMATION

Not every client has the same needs. From large corporations and government entities to startups and entrepreneurs, we work to meet your needs while providing students with a unique educational experience that bridges academia with industry. Whatever your needs, we'd like to find a way to help.

TIPS FOR SELECTING A PROJECT

PROJECT TYPES

BACKBURNER

PROOF OF CONCEPT

PRODUCT IMPROVEMENT

PROJECT DEFINITION

MEASURABLE, DEFINED
FUNCTIONAL REQUIREMENTS

CREATIVE SPACE TO ALLOW
STUDENTS TO EXPLORE
DESIGN CONCEPTS &
SOLUTIONS

STUDENT DISCIPLINES*

AGRICULTURAL
BIOCHEMICAL
BIOLOGICAL
CIVIL
COMPUTER SYSTEMS
ELECTRICAL
ENVIRONMENTAL
MECHANICAL

*As of 2024, students in the School of Computing have the option to participate in Capstone Design, however this is not a graduation requirement for these students at this time.

INFORMATION REQUIRED TO SUBMIT A PROJECT

- Project Name
- Name of Client or Organization
- Contact Person/Project Liaison
- Client or Company Description
- Project Description (including organization and project background, design elements, and components of the project)
- Project Summary
- Disciplines involved
- Required Deliverables/Project Outcomes
- Is there IP related to the project? Will an NDA be required?
- Will specialized training be required for students to participate in the project?

READY TO SUBMIT YOUR PROJECT?
VISIT UGAENGINEERING.EDUSOURCEDAPP.COM/SUBMIT



CONTACT INFORMATION



FOR GENERAL QUESTIONS ABOUT CAPSTONE DESIGN

STEPHAN DURHAM, PH.D., P.E.
PROFESSOR & ASSISTANT DEAN FOR STUDENT SUCCESS
& OUTREACH
SDURHAM@UGA.EDU



FOR QUESTIONS ABOUT STUDENT PROJECT PARTICIPATION OR CAPSTONE DESIGN SHOWCASE

LAUREN ANGLIN, M.ED.
DIRECTOR OF EXPERIENTIAL LEARNING & OUTREACH
LAUREN.ANGLIN@UGA.EDU



FOR QUESTIONS ABOUT PROJECT SCOPING, TECHNICAL QUESTIONS, IP, NDA, AND MTA

JORGE RODRIGUEZ, PH.D.
INDUSTRY CAPSTONE PROJECTS COORDINATOR
JORGER@UGA.EDU



FOR QUESTIONS ABOUT PROJECT SPONSORSHIP OPPORTUNITIES

JORDAN DEROSA
DIRECTOR OF CORPORATE ENGAGEMENT
JORDAN.DEROSA@UGA.EDU



Capstone Design

College of Engineering

UNIVERSITY OF GEORGIA