

**Senior Capstone Design Project I and II (ENGG 501/502)**

**Project Proposal From**

2024-2025 academic year

University of Calgary

Schulich School of Engineering

*If your project is determined to be outside of the scope of the course or the capabilities of the students, you will be contacted and provided input to help re-define your project. You will be notified if your project has been accepted. However, we cannot confirm if a student team will be assigned to your project until after classes begin.*

*Project sponsors will be required to meet with the student teams of a regular basis (at least 2 times per academic term).*

*For each team, at least one faculty member will be need, and they will act as the team's supervisor and guide the student team and engineering analysis throughout the academic year.*

Company or Team Contact Person for Project:

<b>Contact Name:</b>			
<b>Phone:</b>		<b>Email:</b>	
<b>Mailing Address:</b>			
<b>Preliminary Company Project Advisor</b> (if different from contact)			

How will the project be financially supported (please select one or provide details):

there is a sponsor (provide details – e.g. amount):  Students will finance the project (provide details)

--

**REQUIREMENT (IMPORTANT):**

If the capstone project could be completed in ENGG 501/502 or in departmental capstone courses (e.g., ENME 501/502), we would ask the capstone team to register their capstone project under their departmental capstone courses.

Please specify the areas of engineering that the project covers and that the team must include to be able to work on the project and meet the design requirements. As a result, the team working on such a project must include students from such areas. Please indicate the areas needed for the project by placing a mark on the required area(s) and indicate the anticipated number of students per area that you believe will be required to work on the project (this information doesn't need to be exact but provide a good idea enabling students and instructors to form suitable teams):

Mechanical	# of student needed:	Geomatics	# of student needed:
Biomedical	# of student needed:	Civil	# of student needed:
Electrical	# of student needed:	Chemical	# of student needed:
Software	# of student needed:	Petroleum	# of student needed:
Energy	# of student needed:		

**Project title:**

**Project Abstract (200 words max):**

Provide a summary of the objectives and aspects of the project.

**Project background (300 words max):**

Provide a synopsis of the reasons and need to conduct the project.

**Brief project description (700 words max):**

Provide a brief description of the project outlining the problem to be solved and the main objectives.

**Expected outcome and deliverables (200 words max):**

Provide the expected deliverables to be provided by the students (prototype, reports, engineering analysis, etc.).

**Project value (150 words max):**

Proposed projects can be considered of three types: a) Company related, b) Research oriented, and c) Student design competition. Depending on the type of project, please provide the value that the project will bring to your organization / your research program / your performance at the competition (e.g., financial, research, advancements, etc.) describing how the effort by the department, the university, etc. will be beneficial in supporting the project.

If the proposed project is related to a student design competition (e.g., Formula SAE, Mini Baja, Solar Car, etc.) provide the value that the project will bring to the student team in terms of experience, skills, and other values gained to advance the project and gain the abilities to come closer for the team to win the competition or advance the team's position when compared to previous team entries in the corresponding competition.

<b>Company related project:</b> Provide the value that the outcomes of the project will bring to your company / organization.	<b>Research oriented related project:</b> Provide the value that the developments of the project will bring to your research program.	<b>Competition related project:</b> Provide the value that the project will bring to the overall team, and its success in the competition.

--	--	--