

GEAR Lab Information Form

2020-2021 Cohort

Thank you for participating in GEAR!

GEAR students applied and were selected by IDEA Center staff to participate in the program based on their interest in getting research experience. All are research novices – the program structure aims to support their success in partnership with your lab.

We hope the GEAR program also simplifies the placement process on your end. We will share preliminary project information (PI, lab website, project description, skills) with students so they can rank their interest in different projects. We will send you information about your preliminary student match in September, which you can review and approve before it is finalized.

Please contact Alejandra Arguelles with any questions at marguelles@eng.ucsd.edu.

PI First Name

Your answer

PI Last Name

Your answer

PI Department

Your answer

PI Email Address

Your answer

PI Preferred Phone

Your answer

Lab Name

Your answer

Lab Website

Your answer

Day and time of your research group meetings in Fall 2020 quarter (if known)

Your answer

Student Supervisor First Name (Grad Student or Post Doc)

Your answer

Student Supervisor Last Name (Grad Student or Post Doc)

Your answer

Student Supervisor Email Address

Your answer

Which best describes the student supervisor?

☐ Graduate Student

☐ Post Doc

☐ Other:

Your lab agrees to carve out a small, 8–12 week project for two undergraduate students to work on together. Fall: Students attend research group and other meetings with you to learn about lab background, concepts, and techniques/skills needed to conduct the project. They will conduct a literature review and write project plan/timeline in the ENG 20 course. Winter: Students conduct bulk of project under your direction/guidance this quarter. Spring: Students wrap up project/analysis by Week 4 and complete a research poster to present at the end of the quarter.

☐ I understand

Title of Research Project

Your answer

Brief Project Description (200 word max)

Your answer

What knowledge and technical skills would it be useful for students to have, or have interest in learning, for this project?

	Student can learn this	Student must already have background
Design & Fabrication (CAD Software, 3D printing, molding)	<input type="checkbox"/>	<input type="checkbox"/>
Hardware & Electronics	<input type="checkbox"/>	<input type="checkbox"/>
Software (Programming, Python, C++)	<input type="checkbox"/>	<input type="checkbox"/>
Data Analysis	<input type="checkbox"/>	<input type="checkbox"/>
Materials Science	<input type="checkbox"/>	<input type="checkbox"/>
Mathematical Models & Simulations	<input type="checkbox"/>	<input type="checkbox"/>
Wet Lab	<input type="checkbox"/>	<input type="checkbox"/>
Structural Design & Testing	<input type="checkbox"/>	<input type="checkbox"/>
User Testing	<input type="checkbox"/>	<input type="checkbox"/>

Please add any additional details about skills/knowledge. Are any of these knowledge/skill areas essential/non-negotiable? Please explain.

Your answer

As part of the ENG 20 course students will take in Fall quarter, students will do a close reading of a paper related to the research project you will assign to them. This will be the starting point for their ENG 20 literature search assignment. Please send an appropriate paper to Alejandra Arguelles at marguelles@eng.ucsd.edu by September 21, 2020.

☐ I understand

Do you have any comments or questions?

Your answer

Submit

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