



Partner with IDEA on

NSF

Broader Impacts



<http://jacobsschool.ucsd.edu/idea>



<https://www.instagram.com/ucsdidea>



<https://www.facebook.com/ucsdidea>

PARTNER WITH THE IDEA CENTER



ABOUT US

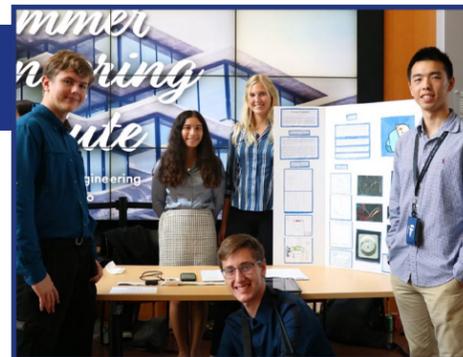
The IDEA Engineering Student Center is housed within the Jacobs School of Engineering Dean's Office. Our mission is to foster an inclusive and welcoming community, increase retention and graduation rates, and promote a sustainable culture of academic excellence among all engineering students at UC San Diego. In service of this mission, the IDEA Center coordinates and implements a range of programs to support undergraduate and graduate students.

Several of our programs require faculty engagement. Partnering with the IDEA Center is a great opportunity to fulfill NSF Broader Impacts requirements. We suggest reviewing the opportunities below and **identifying multiple opportunities** that can be combined to **create a suite of Broader Impacts activities** that serve your interests and goals.

ACADEMIC SUCCESS

Summer Engineering Institute (SEI)

SEI is a 5-week summer preparation program for incoming freshmen engineering students. As part of this program, students participate in several academic and technical workshops throughout the summer. Faculty can contribute to SEI as a workshop presenter, panelist, or participant to provide insights, inspiration, or exposure to opportunities for students in the Jacobs School of Engineering.



Summer Transfer Preparation

Transfer Prep is a 4-day summer preparation program for incoming transfer engineering students. Faculty can contribute by serving as a panelist or networking with students to share insights with them about successfully transitioning to UC San Diego as an undergraduate student, and to promote engagement with faculty during their time at the Jacobs School of Engineering.

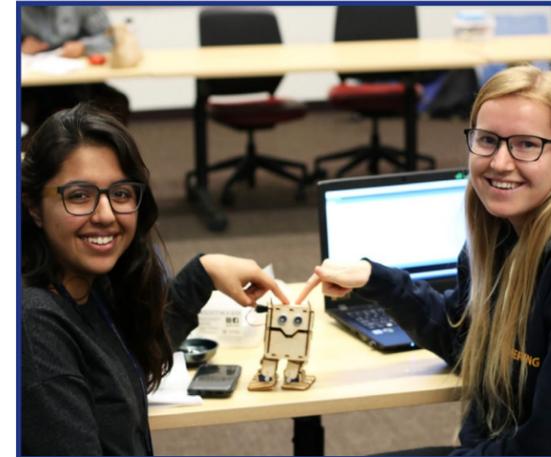


UNDERGRADUATE PROFESSIONAL DEVELOPMENT

WISE

Workshops & Info Sessions for Engineers

WISE is a series of academic, professional, and technical skill-building workshops and info sessions offered throughout the quarter. These sessions are open to all undergraduate engineering students. These free events cover topics such as programming languages, graduate school preparation, professional development as an engineer, and much more. Faculty can contribute by presenting a session or participating on a panel or roundtable session.



TEAM

Transfer Engineering Academic Mentorship Program

TEAM pairs incoming transfer engineering students in the Jacobs School of Engineering with upperclassmen transfer students. Students participate in one-on-one mentoring and events each quarter. Faculty can contribute by participating on panels or roundtable sessions.



JUMP

Jacobs Undergraduate Mentorship Program

JUMP is a community of engineering students (both undergraduate and graduate) and alumni, who provide support, advice, guidance, and experience to all members. Students participate in mentorship groups and events each quarter. Faculty can contribute by participating on panels or roundtable sessions.



UNDERGRADUATE RESEARCH EXPERIENCES

GEAR (Guided Engineering Apprenticeship in Research)

Faculty can serve as mentors to undergraduate students in the MAE, ECE, SE, BENG, or NANO departments for a full academic year. Students will conduct research in your laboratory under your guidance and the guidance of post-docs and/or graduate students in your lab. Students also enroll in ENG 20: Intro to Engineering Research, receive additional mentorship from the IDEA Center, and participate in a culminating poster presentation. The majority of GEAR participants are URM, first-generation, or low-income students.

UNDERGRADUATE MENTORSHIP

Student Organizations

There are over 40 organizations in the Jacobs School of Engineering. Become the faculty advisor for a student organization or project team. Faculty advisors provide advice to student organizations and serve as role models to the students.



ACES (Academic Community for Engineering Success)

The ACES Scholars program is a two year program that engages and supports highly motivated engineering students from economically and educationally underserved backgrounds. A key component of the ACES program is faculty mentorship. ACES students are partnered with faculty mentors with whom they meet throughout the year in one-on-one and group sessions. Faculty mentors provide guidance as well as an introduction to engineering research. Faculty can also contribute to ACES as a presentation speaker or panelist.

IDEA Scholars Program

The IDEA Scholars Program, the signature retention program of the IDEA Center, was created in 2011 to foster community building and academic excellence among our top incoming freshman engineering students from diverse backgrounds. Faculty may engage with IDEA Scholars by hosting them as undergraduate researchers in their labs or contributing to events as a presentation speaker or panelist.

UNDERGRADUATE YIELD EVENTS

Engineering Overnight Program

This is an invitation-only program for select UC San Diego admitted high school seniors to increase offer of admission acceptance rates, especially among first-generation and underrepresented minority students. This program provides participants an opportunity to experience the university environment and campus life at UC San Diego, network with other admitted high school seniors and current college students, and learn about campus resources. Faculty can contribute by providing a lab tour, attending a dinner event to network with students, and participate in a panel to share insights about attending UC San Diego.



Breakfast with the Dean

This event is hosted by the Dean of the Jacobs School of Engineering during Triton Day and Transfer Triton Day for high school seniors and transfer students who have just been admitted to engineering majors at UC San Diego. It is an opportunity for incoming undergraduate engineering students who are first-generation and/or from underrepresented minority groups to learn more about UC San Diego, and experience the community that awaits them at the Jacobs School of Engineering. Faculty can contribute by attending the breakfast to network with students and their families, and share insights with them about attending UC San Diego.

GRADUATE STUDENT & POST-DOC MENTORSHIP



Graduate & Scholarly Talks

Engineering Graduate & Scholarly Talks are a series of academic, professional, and technical training workshops open to all engineering graduate students and post-doctoral researchers at the Jacobs School of Engineering. Faculty can contribute by presenting a session or participating on panels or roundtable sessions. These Talks can support the Post-doc Mentoring Plan required by NSF.

Mentor the Mentors

In addition to supporting undergraduate students, JUMP and GEAR also provide support for the graduate student mentors in these programs to grow their mentorship skills. Faculty can engage in orientations and training sessions that support graduate student professional development in mentorship skills.

**Please contact us to learn more about
these opportunities to partner with the
IDEA Engineering Student Center.**



Olivia A. Graeve | Faculty Director

ograeve@ucsd.edu

Gennie Miranda | Director of Operations

gbmiranda@ucsd.edu

Lisa Trahan | Director of Strategic Initiatives and Assessment

ltrahan@eng.ucsd.edu