



US NEWS & WORLD REPORT RANKINGS OF  
BEST ENGINEERING SCHOOLS 2023

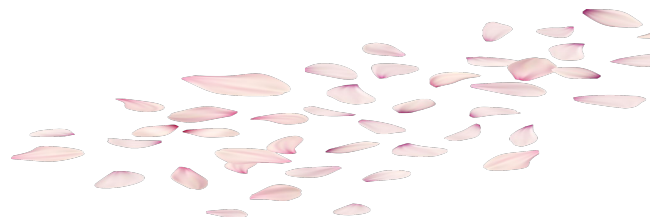


# Why Engineering at UC San Diego?

UC San Diego  
JACOBS SCHOOL OF ENGINEERING  
IDEA Engineering Student Center



**Congratulations  
on your  
admission!**





# TOP 10 AGAIN!

US NEWS & WORLD REPORT RANKINGS OF  
BEST ENGINEERING SCHOOLS 2023

## List of topics

1. List of companies located in San Diego
2. What career resources does UCSD offer?
  - a. Internship and Research Programs
  - b. Events
3. Program Spotlights
  - a. CAP
  - b. Team Internship Program
  - c. Co-op Education
4. UCSD Career Panel

# List of Companies Located in San Diego

Qualcomm

Biotix  
Fluid Innovation

ASML

NORTHROP  
GRUMMAN

CSL™

amazon



Inova  
Diagnostics

illumina®

ThermoFisher  
SCIENTIFIC

BROADCOM®

Arytha  
Biosciences

Google

GENERAL ATOMICS

HOLOGIC®  
The Science of Sure

intuit.

Genentech

dexcom®

GROLLTEX  
Graphene-rolling-technologies

Microsoft

CISCO™

QUIDEL®

L3HARRIS™

LIQUID  
INSTRUMENTS

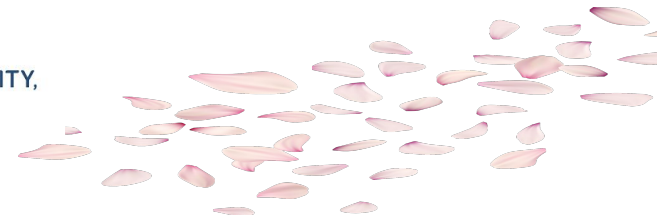
eLux  
medical inc.

intel®



Viasat™

HUMAN  
LONGEVITY,  
INC.™



# UCSD Engineering Career Resources

1. Jacobs School of Engineering
2. IDEA Engineering Student Center
3. Research HUB
4. Career Center
5. Corporate Affiliates Program (CAP)
6. Transfer Hub

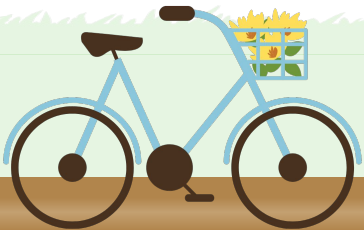
## Undergraduate

### Research and Internship Opportunities

- Jacobs School of Engineering Job and Internship Portal
- UCSD Research Experience & Applied Learning (REAL) Portal
- JSOE Team Internship Program
- JSOE Cooperative Education (Co-op) Program
- Los Alamos Dynamics Summer School Program
- Summer Research Opportunities
- Pathways Federal Job and Internship Program

### Job Opportunities

- Jacobs School of Engineering Job and Internship Portal
- UCSD Career Center (Handshake) (Note: UCSD Alumni have access to career fairs and Handshake for life and recent graduates have access to Career Center advising for up to one year after graduation.)
- JSOE Cooperative Education (Co-op) Program
- ASCE Career Paths guide (Guide states it is for civil engineering but useful for all focus sequences.)
- Aftercollege.com



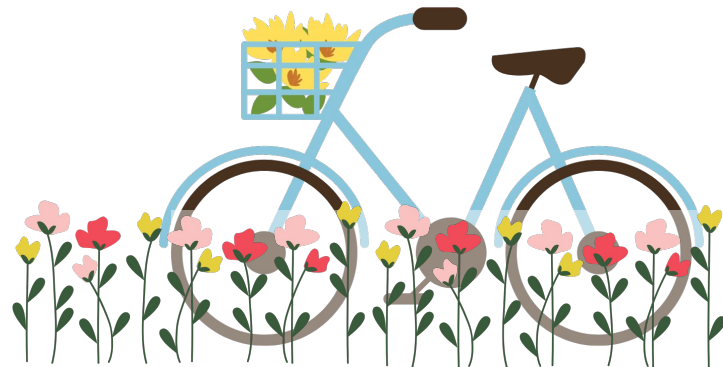
# UCSD Programs for Internships and Research

## 1. Academic Internship Program (AIP)

AIP internships are integrated into the UC San Diego curriculum. The Academic Internship Program is a course - students pay tuition, enroll in the course for academic credit, write a research paper which is evaluated by UCSD faculty, and earn a grade at the completion of the internship. It is the ability of an internship site to provide a foundation that will further academic learning, growth, and skill development that validates and makes the internship credit-worthy.

### Benefits:

- Hands-on project
- Involve in research
- Work experience
- Potentially get paid!
- And earning credits at the same time!



# UCSD Programs for Internships and Research

## 2. Guided Engineering Apprenticeship in Research

GEAR is a year-long research apprenticeship program for second year students in the Jacobs School of Engineering\*. Mentorship from graduated students and guaranteed lab placement. As a GEAR Research Apprentice, you will work with a teammate on a research project within a Jacobs School of Engineering faculty research lab. In this program you will participate in:

- Research Lab Placement
- Mentorship
- ENG 20 “Introduction to Engineering Research”
- Workshop & Socials
- Poster Presentation
- Application opens in Spring Quarter

### Benefits:

- Research Experience
- Research Paper
- Networking
- Mentorship
- Free!





# UCSD Programs for Internships and Research

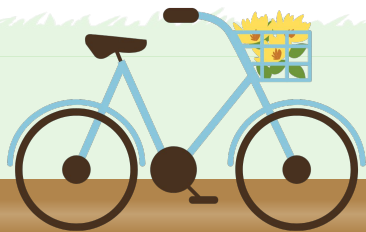
## 3. Transfer Engineering Academic

### Mentorship Program

The Transfer Engineering Academic Mentorship (TEAM) Program pairs incoming transfer engineering students in the Jacobs School of Engineering with upperclassmen transfer students. This free program is for engineering students who transferred from either a 2 and/or 4 year College/University.

#### Benefits:

- Mentorship
- Connection
- Networking
- Friendship
- Free!





# UCSD Programs for Internships and Research

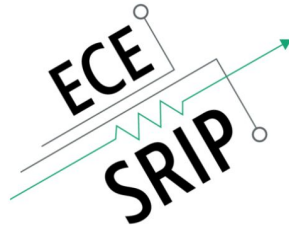
Other Programs:

4. ECE Spring/Summer Research Internship Program 2022

5. Research Experience for Undergraduates (REU): Engineered Materials for Tissue Engineering and Drug Delivery

6. Engineering Psychiatry Research Program (EPRP)

7. Research Experience and Applied Learning (REAL)





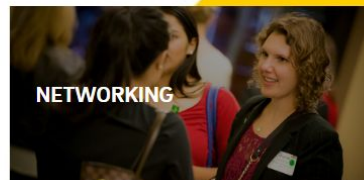
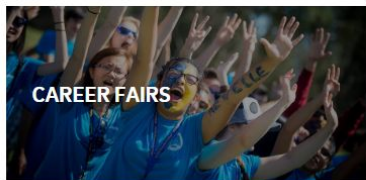
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# Programs are not for you? We have events!



## WHICH EVENTS ARE RIGHT FOR YOU?

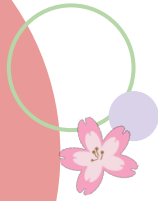
Choose a category below and find events that are especially suited for your major, career path, or advisory need.



**UC San Diego**  
JACOBS SCHOOL OF ENGINEERING  
IDEA Engineering Student Center

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## Events

- Ψ Events are hosted weekly!
- Ψ Events are hosted by main campus Career Center, IDEA Center, Departments, CAP, Transfer Hubs, and Student Organizations!
- Ψ Events are posted on Handshake, Email Newsletters, flyers, and School Websites!



# Events

## Dine/Coffee w/ a Prof is Back!



The **Dine-with-a-Prof** and **Coffee-with-a-Prof** programs allow you, the student, to meet, dine or have coffee, with an esteemed faculty member or graduate teaching assistant in order to gather insight concerning a course or career opportunities in your field of study. This is a complimentary program provided by the undergraduate colleges.

More Info: <https://students.ucsd.edu/academics/success/dine-with-a-prof.html>

## Professional Evening with Industry

Tuesday, October 19th, 2021

A Virtual Event

5:30PM - 8:00PM

Workshops and Info Sessions for Engineers

## WISE Sessions

Spring 2022



Week 4: Counseling and Psychological Services (CAPS)

**From Academic Burnout to Balance**

Thurs, April 21 @ 12 - 12:45 PM

Week 5: Career Services

**Resume and Cover Letter Writing**

Wed, April 27 @ 3 - 3:45 PM

Week 6: Corporate Affiliates Program

**Mastering the In-Person & Virtual Interview**

Thurs, May 5 @ 3 - 4 PM

Week 7: IDEA Center

**Engineering Your Own Path: First Generation Graduate Engineering Student Panel**

Thurs, May 12 @ 12 - 12:45 PM

Week 9: Corporate Affiliates Program


**Rocking your Summer Internship**

Thurs, May 26 @ 12 - 1 PM


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



# Events



TRANSFER EVENTS				
5/2/22	5/3/22	5/4/22	5/5/22	5/6/22
Learning Strategist drop-in from 2-4pm	Virtual Transfer Student Support Group from 1-2pm Maximizing Your Next Year as a Psychology Transfer Student, Virtual at 4pm	May The Fourth Be with you: UC Grad Edition at 6pm Maximizing Your Next Year as a International Studies Transfer Student, Virtual at 3pm	UCSD ACTA: Transfer Dirty Bird Social Night, @ Dirty Birds from 6:30pm- 9pm	
5/9/22	5/10/22	5/11/22	5/12/22	4/13/22
Learning Strategist drop-in from 2-4pm	Virtual Transfer Student Support Group from 1-2pm	Maximizing Your Next Year as a Computer science and Engineering Transfer Student, Virtual at 3pm		



# Events

## UC San Diego

### CAREER CENTER

## TRITON TABLE TALKS

**Triton Table Talk: Professional  
Development & Transferable Skills:  
What to Focus On in 2022**

## UC SAN DIEGO ALL MAJORS SPRING CAREER FAIR

### Virtual SPRING FAIR

April 14, 2022 | 10 a.m.-2 p.m.

April 14, 2022 - 10am - 2pm

Virtual - Handshake

### ALL MAJORS VIRTUAL CAREER FAIR

We are excited to present our virtual All Majors Career Fair. Whether you're looking to secure an internship, full- or part-time position, this opportunity can help you take that next step. Register today to engage with leading employers!

[LEARN MORE & REGISTER](#)

## UPCOMING EVENTS

[BROWSE ALL EVENTS](#)

### TRITON CAREER BOOST: VIRTUAL

APRIL 13, 12:00 - 1:00 P.M.

**Career Search Strategies Using  
LinkedIn**

[VIEW EVENT DETAILS](#)

### TRITON CAREER BOOST: VIRTUAL

APRIL 13, 1:30 - 2:15 P.M.

**Career Center Services and Resources  
for Arts & Humanities Students**

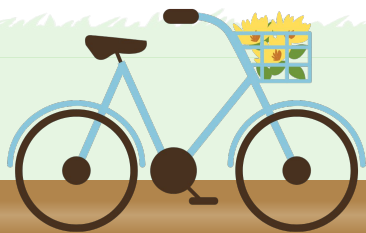
[VIEW EVENT DETAILS](#)

### TRITON CAREER BOOST: VIRTUAL

APRIL 13, 5:00 - 6:00 P.M.

**Alumni 101: Exploring International  
Careers**

[VIEW EVENT DETAILS](#)









## **Program Spotlight: Corporate Affiliates Program (CAP)**

CAP has about 75 partners - they recognize how talented UC San Diego students are and actively seek candidates from UC San Diego for internships and full-time positions.



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# Program Spotlight: CAP

## CAP PROVIDES YOU ACCESS TO THE BEST NEW ENGINEERS

- Resume Database: access to undergraduate and graduate-level students
- Easy-to-use job postings direct from your desk to a targeted engineering discipline or to a group at large
- Assistance with internship opportunities
- Company promotion and recruitment opportunities on campus
- Invitation to our Annual Research Review attended by graduate and undergraduate students, UCSD alumni and industry representatives
- Opportunities to sponsor fellowships, scholarships, engineering organizations and outreach projects

## RESEARCH & DEVELOPMENT

Research collaborations yield bottom-line results. Our professors are leaders in their fields of technology. CAP assists you in meeting them and exploring technology roadmaps for the future, including invitations to technology discovery sessions with faculty leaders. CAP also offers liaison support with the Office of Contract & Grant Administration for separate sponsored research such as:

- Partnerships for federally funded leading-edge research
- Commercialization programs
- Industry-sponsored student design projects
- Technology licensing opportunities



# Program Spotlight: Team Internship Program



Summer Team Internships enhance students' education through real-world engineering experiences with industry partners in a multi-disciplinary team setting.

## Student Teams:

- 2-5 members, each with distinct technical experience and training
- Undergraduate, Masters, and Ph.D. Levels
- All engineering majors

## Internship Details:

- Paid Internships
- 10-12 weeks over the summer
- Full-time, i.e., 40 hour/week commitment

Timeline	
October - December	Companies define and submit projects and recruitment starts
January - March	Companies continue to submit their projects and recruitment continues
April	Finalizing recruiting
May	Selections completed Intern pre-deployment training
June - September	Internship period during any 10-12 consecutive weeks

UC San Diego

JACOBS SCHOOL OF ENGINEERING  
IDEA Engineering Student Center

# Program Spotlight: Cooperative Education (CO-OP)

The Cooperative Education (Co-op) Program is an immersive work experience in which students are employed full-time by a company for up to six months, which includes summer and one academic quarter, to supplement education with real-world experiences.



## PARTICIPATING CO-OP COMPANIES

appfolio

ATA  
ENGINEERING, INC.

brain  
corp

GENERAL ATOMICS

werfen

intuit

NORTHROP  
GRUMMAN

Qualcomm

servicenow

Solar Turbines  
A Caterpillar Company

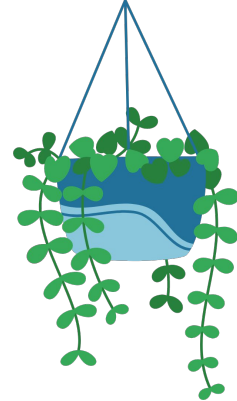
teradata.

ThermoFisher  
SCIENTIFIC

Viasat



Questions?  
質問?  
Preguntas?  
प्रश्न?  
Câu Hỏi?  
问题?  
Fragen?  
Questões?  
질문?  
Mga Tanong?





**Mikhail Rossoshansk - 2nd year Transfer Student**

**Major: Electrical Engineering - Circuits and Systems Depth**

**Internships: Liquid Instruments, Innovive, ModalAI**

**Projects: Modular Analog Synthesizer, Electric Longboard,  
DIY 3-Axis CNC Machine, Custom Ortholinear keyboard**

**Student Orgs: Yonder Dynamics, AIAA**



**Lam Tran - Incoming Master Student**

**Major: Electrical Engineering - Circuits and Systems Depth**

**Internships: Incoming EE Intern at Ametek**

**Research Focus: Power Electronics at iPower3Es**

**Student Orgs: Eta Kappa Nu (HKN) - ECE Chair**

