

Civil and Environmental Engineering Undergraduate Announcements – October 11, 2021

Hello Civil and Environmental Engineering Undergraduate Students,
Please see the announcements for this week below:

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Get Involved on Campus

UCEAP Study Engineering Abroad

Study Engineering Abroad

Program Spotlights

- [Carlos III University of Madrid, Spain](#) Access a wide variety of engineering coursework in English in aerospace engineering, biomedical engineering, and computer science. Carlos III University of Madrid is very internationally focused and welcoming to UCEAP students.
- [Scottish Universities, UK-Scotland](#) UCEAP's Scottish host institutions have outstanding programs in engineering and computer science. Attend classes with local Scots and take advantage of your weekends to explore this beautiful and storied land.
- [STEM Research in Osaka, Japan](#) Join one of Osaka University's science and technology lab teams to conduct research through experiments, group work, and interactive

discussions with graduate students. Research is available in almost every engineering field and is supervised by top scientists.

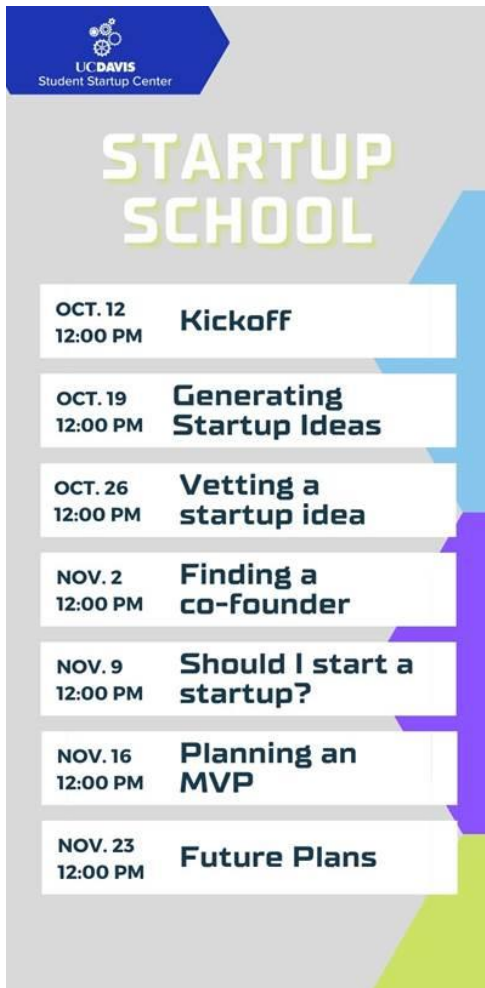
- [Technical University Berlin, Germany](#) Take courses at what is known as “the Entrepreneurial University” with German and international students who are exclusively focusing their studies on science and technology. Courses are available in English in electrical engineering and computer science.

These are only a few of the options available to you. Explore more programs in [engineering](#) and [computer science](#)

TGIF Information Session

Want to change something about campus, add to our community, or conduct research? Come to The Green Initiative Fund's information session on **Wednesday, October 13, from 4-5 pm in the Moss Room (Room 345) in the Memorial Union** to learn how to apply to get up to \$20,000 in funding to make UC Davis more sustainable! TGIF is a student fee funded program that promotes sustainable development by providing funding for student-centered projects related to sustainability. Past projects have included conducting sustainability research, limiting the amount of waste produced on campus, promoting environmental awareness, and much more. The grant proposal deadline for fall quarter is Monday, November 1, at 5:00 pm.

New Student Startup Center: Startup School



The graphic features a blue header with the UC Davis Student Startup Center logo. Below it, the words 'STARTUP SCHOOL' are written in large, bold, yellow-green letters. A vertical list of seven white boxes, each with a date and time on the left and a topic on the right, is set against a background of blue and purple geometric shapes. The topics are: Kickoff, Generating Startup Ideas, Vetting a startup idea, Finding a co-founder, Should I start a startup?, Planning an MVP, and Future Plans.

Date	Time	Topic
OCT. 12	12:00 PM	Kickoff
OCT. 19	12:00 PM	Generating Startup Ideas
OCT. 26	12:00 PM	Vetting a startup idea
NOV. 2	12:00 PM	Finding a co-founder
NOV. 9	12:00 PM	Should I start a startup?
NOV. 16	12:00 PM	Planning an MVP
NOV. 23	12:00 PM	Future Plans

Startup School is in session! Are you interested in creating your own startups, but are unsure if you can start one? Have a cool idea, but not sure how to start or think it might be too expensive? Join startup school!

Startup School will be a lunchtime meetup once a week on Tuesdays where we will discuss a few short readings designed to help us identify opportunities to launch in the future. Click the link below to sign up for startup school!

AWWA Announcements

Raftelis Info Session - When: Tuesday, Oct. 12th, 5-6 pm on Microsoft Teams

Join AWWA online at <https://bit.ly/2WJn111> to hear from a Raftelis Consultant and a Director of Human Resources on the innovative projects, culture, and potential career paths! You may contact Lisa Wilson at lwilson@raftelis.com or Ethan Edwards at eedwards@raftelis.com with any questions

Second General Meeting - When: Friday, Oct. 22nd, 4-5 pm at Ghausi 3102A/B

They will be discussing the WE Build Competition (i.e. creating our models, forming more teams if needed, etc.). Attached are the rules. The winners of the competition will win a scholarship to attend the AWWA/WEF Young Professionals (YP) Summit in Orlando, Florida, February 21-24, 2022. This event is the premier water and wastewater industry workshop for young professionals. The deadline to register for the WE Build Competition is Monday, October 25th.

If you can't make this meeting and would prefer for AWWA to change their future meeting times, please fill out the following poll: <https://forms.gle/DqBk8MgmydfKFoEv7>

Free AWWA Membership

The CA-NV AWWA section is sponsoring free AWWA membership for first-time members. If you have not taken advantage of this opportunity in the past, sign the attached form and email it to awwa_officers@ucdavis.edu or cmoralessandoval@ucdavis.edu.

AWWA Student Membership provides you with technical information to help you with your schoolwork, resources to help you achieve your career goals, and ways to help support the water profession. This is a great professional association if you are interested in managing and treating water.

More on AWWA

Established in 1881, the American Water Works Association is the largest nonprofit, scientific and educational association dedicated to managing and treating water, the world's most important resource. Through membership, AWWA creates products, services, and information that help utilities with day-to-day operations, inform the public, improve public health, protect the environment, strengthen the economy, and enhance our quality of life.

Free Registration to Annual Fall Conference 2021- ADAPTING TO CHANGE, RAIN OR SHINE - When: Friday, Oct. 18th-21st, Virtual

A generous donor has offered to pay student registrations fees to attend the "ADAPTING TO CHANGE, RAIN OR SHINE" Annual Fall Conference. If you are interested in attending please fill out the attached form and email it

to awwa_officers@ucdavis.edu or cmoralessandoval@ucdavis.edu.

If you are a new member and do not have an AWWA member number please leave it blank and submit the free membership form as well. If you have any additional questions, feel free to reach out to us!

Hiking Social - When: Saturday, Oct. 30th, 8 am

Come learn more about AWWA while enjoying a nice hike outside (if weather permits).

Location TBD. Fill out the following poll if you are

interested: <https://forms.gle/rKcMWNGtQCKSp2TM6>

CITRIS Aviation Prize Challenge

Register today! Deadline is Oct. 15

There's still time to sign up to compete for the first-ever [CITRIS Aviation Prize](#) student competition! Register now to access faculty advisors and the latest Prize updates.

The CITRIS Aviation Prize challenges student teams to design, develop and demonstrate a long-distance, fully autonomous flight with a small UAV. We invite student teams from our four CITRIS campuses – UC Berkeley, UC Davis, UC Merced, UC Santa Cruz – to compete. This prize was created in collaboration with the Institute for Transportation Studies at UC Berkeley.

The winning proposal will be recognized with the first CITRIS Aviation Design Prize, including a \$2,000 cash award and up to \$25,000 to demonstrate the actual flight in spring 2022.

Register your team today!

[Learn more and sign up](#)

Timeline

- **Team Registration Open:** Aug. 19, 2021–Oct. 15, 2021
- **Proposal Submissions Due:** Nov. 19, 2021
- **Proposal Winner Announced:** Dec. 17, 2021
- **Winning Flight Plan Executed by End of Academic Year:** Spring 2022

Professional Development

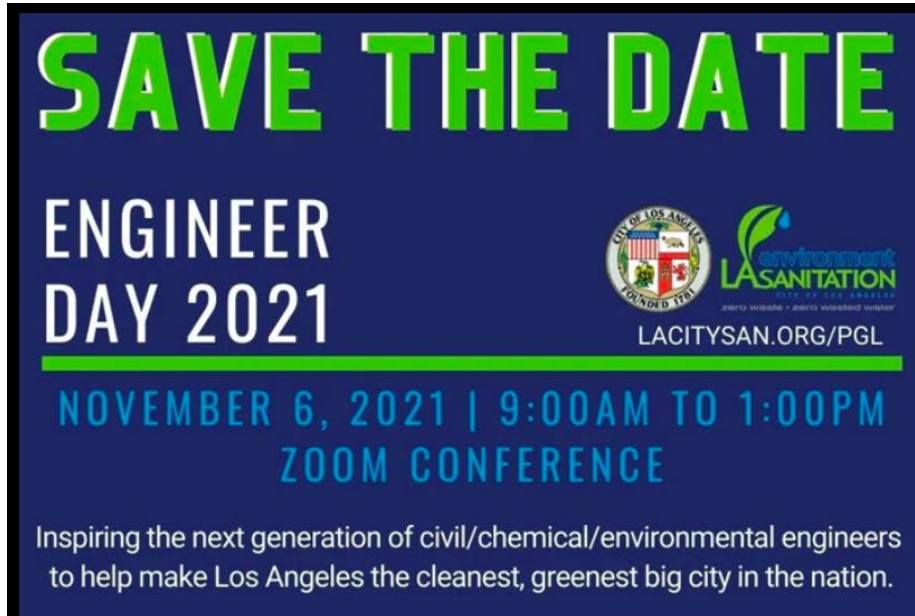
ASCE/XE Virtual Career Fair

Priority registration for the ASCE/XE Virtual Career Fair has begun! The fair will take place October 14th and 15th from 9:00 am to 2:00 pm. This is a great way to meet employers and practice your interviewing skills.

Please use the following link to submit your contact information and correctly titled resume before **October 11th**:

<https://forms.gle/xAFVBDa554cUNzHM6>

LA Sanitation and Environment's Engineer Day - November 6, 2021



<https://www.eventbrite.com/e/la-sanitation-environments-engineer-day-2021-registration-176484027477?aff=UCD>

ICC Employer Event and Career Fairs

Phillips 66 is coming to do an on-campus information session. They will be discussing internship opportunities for renewable energy in engineering.

It will be **Monday, October 11th at 6:30pm in South Hall room 114**, which has a max capacity of 49. I've attached a flyer and here is the event page in

Handshake: <https://ucdavis.joinhandshake.com/events/858087>.

Phillips 66 specifically wants to market the event to Chemical Engineering, Civil/Environmental Engineering, Electrical Engineering, Mechanical Engineering, and Materials Science/Engineering.

LEADR Networking Event for Civil Engineering Undergrads - October 15th

Carlson, Barbee & Gibson, Inc. will be on campus October 15th from 12p-2p for a presentation detailing their company and the positions they are currently hiring for. To be followed by a networking lunch in Kemper Courtyard. Negin Ayar, LEADR Class of 2016, will be hosting the event. All Civil majors are encouraged to attend!

Please find the attached flyer for more info. Registration is required - https://ucdavis.co1.qualtrics.com/jfe/form/SV_09z6diGpYGckYjI

Job Opportunities

Federal Climate Change Fellowships for Latinos/POC recent grads

Hispanic Access Foundation's [MANO Project](#) is offering enriching PAID internship and fellowship experiences nationwide for **recent grads or graduate students who are Latino or a person of color** and passionate about the environment and climate change. We'd like to ask for your help in sharing these opportunities with **Latinos or people of color** interested in getting work experience with a federal land management agency.

We're recruiting for the [U.S. Fish and Wildlife Service - Civilian Climate Corp Fellowships](#) and are hoping to reach applicants who are recent grads or will soon have a bachelor's degree in:

- Environmental engineering
- Civil engineering
- Structural engineering or
- Facilities Management

The fellowships are long-term and offer great pay stipends, housing stipends, and commuting stipends to address any financial barriers people of color may experience when taking on an internship or fellowship. Applications can be submitted through our website: [My Access to a Network of Opportunities \(MANO\) Project](#). The U.S. Fish and Wildlife Service - Civilian Climate Corp **deadline is Nov 1, 2021**.

Please see the attached flyer or our application website for more information. Interested candidates may contact us by email with any questions regarding internships. We appreciate your support in sharing these opportunities with students and your network.

2022 Summer Research Program Virtual Information Session

Greetings from Fort Collins!

The [CSU Department of Mechanical Engineering](#) maintains a world-renowned research program and a longstanding commitment to excellence in undergraduate research. We are planning a Summer 2022 research program, which will provide a diverse group of undergraduate students with immersive research experiences in Aerospace Engineering, Biomedical Engineering, Energy, and Materials and Manufacturing.

We encourage you to apply to attend our Undergraduate Research Program Virtual Information Session to introduce you to Mechanical Engineering research areas, faculty, and facilities.

[Undergraduate Research Program Virtual Information Session, November 9, 2021](#)

Please see the attached flyer for application instructions for the Undergraduate Research Program Virtual Information Session. Applicants should have a minimum 3.4 GPA and upload:

- Cover letter describing research experiences and research interests
- Resume

We also encourage applicants to check out our [faculty webpages](#) for current research projects.

Application Deadline is October 24, 2021 at 11:59 pm.

[TRC Internship Opportunities](#)

TRC is seeking for 300 interns (all paid) for next summer! They have a robust internship program and hope to hire many talented students from UC Davis. You will get to work on billable projects with their clients and peers/leaders.

TRC is a leading global engineering consulting firm with more than 150 offices in the States, England and China nearly 6,000 employees. You can find more information at www.trccompanies.com

[Student Assistant needed for low-cost sensor development](#)

The Dahlke Lab (Hydrologic Sciences) is looking for a student with passion for electronics, engineering and environmental sciences, who is interested in getting hands-on research experience in developing low-cost sensors for environmental research. The lab's research focuses on understanding water flow and contaminant transport in agricultural systems: <http://dahlke.ucdavis.edu/research/>. They are looking for a student who is interested in assisting with the development of field sensors for measuring contaminants (e.g. nitrate) or gases (oxygen, CO2) using open-source, low-cost sensors that are coupled to Arduino or Raspberry Pi microcontrollers. The student must have a keen interest and preferably some basic experience in putting Arduino-type systems together using a soldering iron. The student will work closely with a postdoc in my lab who is an expert in this field. The student will mainly work in the lab and learn how to design, assemble, program and test low-cost, open-source hardware systems for measuring environmental parameters. The student will have the opportunity to go to the field to learn how to deploy and test sensors in the field.

They are seeking candidates with attention to detail, patience, a sense for cleanliness, responsibility and punctuality, a natural curiosity for science and research, and quite importantly a sense of humor and willingness to learn. Traits of the successful applicant will include: experience or willingness to work in a chemical laboratory environment, ability to work independently and as part of a research team, willingness to learn and process input from the research team, attention to detail. They are looking for a student who can start working during the Fall 2021 quarter for approximately 5-15 hours per week. Experience with micro-electronics from the Arduino or Raspberry Pi family, micro-controller software and/or prior coursework in physics, engineering, and/or electrical engineering will be an advantage. Method-specific training will be provided. Work hours and scheduling are relatively flexible.

You can find this position on Handshake under position number: [Job #5395928](#)

2021 Winter Patent Agent Shadowing Opportunity for UCD Engineering Students

Dentons, a multinational law firm will be hosting a shadowing program for students interested in the intersection of law and technology.

- **What:** 2021 Winter Patent Agent Shadowing Opportunity at Dentons
- **Who:** D&I Engineers and Scientists (preferably in their first or second year of college, but all are welcome to apply)
- **Where:** ****TENTATIVELY**** in the Dentons offices in San Francisco and/or Oakland. However, the event may take place online in accordance with safety protocols.
- **When:** Applications will be accepted until Nov. 5th, 2021 at 11:59PM. Students can apply through [this link](#).

If you have any questions or want further clarification about this program, please reach to Daniel (postgrad) via UC Davis email (dpanasenko@ucdavis.edu) or Dentons email (daniel.panasenko@dentons.com).

Job Opportunities from Handshake

[#5299587](#) **EPA Drinking Water Corrosion Control Internship** - Oak Ridge Institute for Science and Education

[#3867930](#) **Implementation Intern** (Summer 2022) - Fast Enterprises, LLC

[#5217050](#) **Geo Engineering Intern** - Alta Arizona

[#5303257](#) **Data Engineering / Data Science Summer Contract Position** - Abbott