

Civil and Environmental Engineering Announcements

Week 1 -- March 29, 2022

I hope you all are having a good Week 1, and Goodluck at MidPac this weekend! Additionally, I will be holding my drop-in hours from 8-11 on Thursday due to MidPac.

1. Get Involved on Campus

- a. Priority Registration for Student Parents and Caregivers
- b. Engineering Ambassador Applications are Live & Due April 4
- c. TGIF committee application
- d. MANRRS Elections
- e. Spring course on teaching at an elementary school level
- f. Applications Open for 2022 WEF InFLOW STEMpath!
- g. STEM for Girls is Recruiting Team Leaders for May 14th, 2022 11th Annual STEM for Girls

2. Career / Internship

- a. Civil Engineering Paid Internship Opportunity
- b. Upcoming CWEA Student Events -- Virtual Resume Workshop, Interview Practice, and Career Fair
- c. R&F Engineering Posting Flyer
- d. Undergraduate Research Assistant positions (Ujima GIRL/GIRL+ STEM Project)
- e. Ph.D. Fellowships at Texas A&M - GAANN Program on Advanced Construction Methods for Infrastructure Resilience
- f. Handshake Opportunities

3. Scholarships / Award

- a. New Grant Resource for Students
- b. Energy and Transportation Career Development Award
- c. Lang Prize for Undergraduate Information Research
- d. Society of Women Engineers 2022 Scholarship Opportunity

Get Involved on Campus

Priority Registration for Student Parents and Caregivers

Priority Registration for Student Parents and Caregivers for Adult Family Members

To support undergraduate students who are caring for either children or adult family members, UC Davis has a process for these students to apply to receive priority registration. Priority registration enables students to receive an earlier Pass time for course registration. The program is intended to alleviate complications related to scheduling conflicts between parental and caregiving responsibilities and UC Davis classes and coursework.

April 1, 2022: Deadline to apply for 2022-2023

Eligibility

Student parents: if you have children who receive more than half of their support/care from you, including physically living in the same household

Student caregivers: if you have adult family members (ages 18 and older) who receive more than half of their support/care from you due to disabilities and/or medical needs

More information

For more details and to access the online application, go to the [Transfer and Reentry Center website](#).

Questions? Contact Marissa Weiss, Transfer and Retention Specialist, mlweiss@ucdavis.edu

Engineering Ambassador Applications are Live & Due April 4

Applications for the 2022-2023 Engineering Ambassadors Program are now open!

The Engineering Ambassadors represent the College of Engineering while developing leadership skills and furthering their personal and professional growth. EAs promote the goals of the college and are involved with activities related to recruiting, retention, outreach and student success.

[Apply Now](#)

Applications are due by Monday, April 4 at 12 p.m. PT.
For questions, please contact [Molly Bechtel](#).

BECOME AN ENGINEERING AMBASSADOR

Engineering Ambassadors represent the college while developing leadership skills and furthering their personal and professional growth by:

- Performing tours of the college's labs and spaces
- Representing the college at outreach and recruitment events
- Participating in student panels and industry/alumni functions



Learn more and apply at:
<http://bit.ly/engineering-ambassadors>
Applications due April 4

TGIF committee application

Want to get involved in managing on-campus sustainability projects?

They're looking for students to be a part of [The Green Initiative Fund \(TGIF\)](#) grant committee for the 2022-2023 school year! TGIF provides grants to sustainability-focused projects that benefit the Davis community. Committee members determine which sustainability projects and research receive funding and guide the general direction of TGIF. Anyone can apply for these positions, regardless of experience!

Applications are due Friday, April 15th, 2022 by 5:00 PM. The direct link to the application is [here](#). Please submit your completed applications to tgif@ucdavis.edu!

MANRRS Elections

Interested in joining a UC Davis organization that promotes diversity in Agriculture, Natural Resources, and Related Sciences? Multiculturalism in Agriculture, Natural Resources, and Related Sciences, or MANRRS is holding elections. We are encouraging all to apply! You can join the MANRRS Board without prior experience with the organization.

MANRRS at UC Davis is a club that promotes academic and professional advancement by empowering all students, including underrepresented groups, in agriculture, natural resources and related sciences. We are currently holding elections and are looking to invite new members to run for a board position.

For more information and to apply click the Elections link in our link tree:

https://linktr.ee/manrrs_at_ucd

Email any questions to ucdavismanrrs@gmail.com and be sure to follow us at our social media links below!

Spring course on teaching at an elementary school level

Elementary Mathematics is FUNdaMENTAL

Here's a course that will look at some of the basic ideas in elementary school mathematics in a way that's not just for kids. We will explore ways of injecting a little FUN into some of the most basic ideas that children are learning about mathematics.

We will be taking a deeper look at fundamentals with the goal of making elementary mathematics comprehensible and interesting. We will definitely adhere to the dictum that mathematics is not a spectator sport. It can be engaging and it can be understood.

This will be a hands-on course. We will explore mathematics as if it's a laboratory activity, and we will play.

The course will be open to anyone regardless of mathematical background. It can be taken for Geology Credit (GEL198) or for Mathematics Credit (MAT 198). It is being offered as one of a series of courses integrated with the UC Davis CalTeach/MAST (Mathematics and Science Teaching) program (mast.ucdavis.edu), and this program is designed to encourage STEM majors on campus to consider careers in K-12 STEM teaching.

The course will be examining high-interest topics along the Grade K-12 continuum. If you're thinking of becoming an elementary teacher, it is an ideal way to begin your excursion. It will also be useful for those thinking about teaching at the secondary level.

- CRN: 45382 (for GEL 198) or 48757 (for MAT 198)
- Spring Quarter, 2022, Friday, 9 AM to 11 AM, EPHSCI 1317

Please be sure to **register for 2 units** since this is a variable unit course.

Applications Open for 2022 WEF InFLOW STEMpath!

The [Water Environment Federation](http://www.waterenvironment.org), is excited to announce the opening of the 2022 InFLOW STEMpath School application. The [WEF InFLOW](http://www.wef.org/inflow) (Introducing Future Leaders to Opportunities

in Water) STEMpath program is a scholarship opportunity that engages undergraduate and graduate students representing historically underrepresented racial and/or ethnic groups and introduces them to career opportunities in the water sector through WEF programs and events. The 2022 InFLOW STEMpath program is currently soliciting universities to apply to be a part of this unique experience. If accepted, university scholars will be participating in a dual program to attend both virtual events and WEFTEC 2022 in New Orleans, LA, the largest annual water quality event of its kind. WEF will be accepting applications until April 29, 2022.

[Download the STEMpath University Interest Flyer to Learn More](#)

2022 Program Details:

- The 2022 InFLOW program includes a combination of virtual and in-person events at [WEFTEC 2022](#). Programming includes an introduction to different careers and technical topics in the water sector, job readiness coaching, and multiple networking opportunities.
[Click here to view the 2022 STEMpath Preliminary Schedule of Events](#)
- WEF ensures that scholars will not have to provide any financial support to participate in the program. Sponsors cover the cost of airfare, lodging, registration, and meals while at WEFTEC.
- InFLOW reaches beyond WEFTEC, with opportunities to engage in career opportunities, internships, and scholarships through WEF's Students & Young Professional programming.
- Still have questions? Representatives from universities considering applying to the WEF InFLOW STEMpath 2022 program are invited to attend a virtual webinar with WEF staff. WEF InFLOW STEMpath 2022 - Informational Webinar and Q&A
Wednesday, March 23, 2022 at 2:00 PM Eastern
Register at: <https://www.wef.org/resources/for-the-public/wef-inflow-program/inflow-application/>

Apply for your school to be a part of the 2022 InFLOW STEMpath cohort at:
<https://www.wef.org/resources/for-the-public/wef-inflow-program/inflow-application/>

* Applications must be submitted by a university professor or staff.

If you have any questions about the WEF InFLOW program or applying for the 2022 STEMpath cohort, please visit www.wef.org/inflow for more information or email inflow@wef.org.

STEM for Girls is Recruiting Team Leaders for May 14th, 2022 11th Annual STEM for Girls

STEM for Girls invites 10 - 12-year-old students from the Woodland and Sacramento areas to the University of California, Davis for a full day immersion into science, technology, engineering, and math (STEM). Our goals are to expose students to STEM fields, build confidence in their abilities to participate in STEM, and introduce them to relatable and accessible STEM role

models. 2022 will be our 11th annual STEM for Girls (10th in-person) and we cannot wait to introduce more students to the exciting and empowering world of STEM!

This year, STEM for Girls will be back in-person, on May 14th 2022, in the Student Community Center. We are not able to do this without our amazing Team Leaders and Volunteers. We are currently recruiting Team Leaders for this year's STEM for Girls. You can apply via our [google form application](#) which can also be found on our [STEM for Girls website](#). This year is a special year as we will be celebrating our 10-year birthday which we were not able to celebrate last year! We want you to celebrate with us!

Please note:

- All applicants must be available for a group interview Saturday, April 9 from 10 a.m. - 12 p.m.
- All selected Team Leaders must be present for in-person meet & greet on Friday, April 29th from 5-6pm and virtually for training on Saturday, April 30 from 10 a.m. - 1 p.m.
- This year's STEM for Girls event will be held on Saturday, May 14 from 8 a.m. - 5 p.m.

The STEM for Girls application must be submitted by April 2nd at 5pm.

Career/ Internship

Civil Engineering Paid Internship Opportunity

Blue Ribbon Personnel Services is working with South Tahoe Public Utility District in South Lake Tahoe, CA for Civil Engineering PAID Internships. Please check out the attached Word document with more information on this job posting.

Upcoming CWEA Student Events -- Virtual Resume Workshop, Interview Practice, and Career Fair

We are about two weeks away from the Career Fair and Practice Interview session! Please spread the word and register using the links below. These are FREE events that will provide opportunities for hiring!

3/31 Career Fair Registration: <https://app.brazenconnect.com/a/cwea/e/73AMe>

3/29 Practice Interview Registration:

<https://us06web.zoom.us/meeting/register/tZEpfu-oqj0oG9USZfCtINGLh3JVqgFWSJqg>

R&F Engineering Posting Flyer

Roseville, R&F Engineering Inc. is looking to hire for both a new graduate (either B.S. or M.S. students) and a summer internship position.

R&F ENGINEERING IS HIRING!

WHO WE ARE:

- ◆ Small civil engineering consulting firm
- ◆ Roseville, CA
- ◆ Water resources and flood control projects
- ◆ Strong emphasis on client satisfaction
- ◆ WFH flexibility

WHAT WE DO:

- ◆ Hydrology/Hydraulics Studies
- ◆ Floodplain Mapping
- ◆ Levee Certifications
- ◆ Regional Flood Management Planning
- ◆ Flood Risk Reduction Feasibility Studies
- ◆ Planning and Design of Multi-Benefit Flood Risk Reduction Projects
- ◆ Flood Damage/Life Loss Analyses
- ◆ Federal, State, and Local Permitting Support
- ◆ Engineering Support for EIR/EIS
- ◆ Support with USACE, FEMA & DWR Regulatory Processes
- ◆ GIS/CAD Support
- ◆ Program/Project Management
- ◆ Interior Drainage & Stormwater Analyses
- ◆ On-Call Staff Augmentation Support
- ◆ Grant Application and Management Support

OPEN POSITIONS:

ENGINEER I (GRADUATING IN 2022)

- ◆ Bachelor's degree, civil or environmental engineering preferred
- ◆ 0-3 years of relevant experience
- ◆ EIT preferred
- ◆ Proficient in MS Excel, Word, standard office software
- ◆ Experience and/or interest in GIS, CAD, HEC-RAS
- ◆ Geographically based in Northern California or willingness to relocate
- ◆ Benefits: Paid time off, paid holidays, 401k plan with company contribution, medical/dental/vision coverage, group disability insurance plan, WFH flexibility, professional development assistance

SUMMER INTERN (GRADUATING IN 2023)

- ◆ In progress towards earning a Bachelor's degree, civil or environmental engineering preferred
- ◆ Proficient in MS Excel, Word, standard office software
- ◆ Experience and/or interest in GIS, CAD, HEC-RAS
- ◆ Geographically based in Northern California or willingness to relocate

TO APPLY, EMAIL YOUR RESUME TO MRROSSITER@RFENGINEERINGINC.COM

FOR MORE INFORMATION ABOUT THE COMPANY:
916.416.6599 <https://www.linkedin.com/company/r-f-engineering-inc/>



R&F Engineering, Inc. was founded in 2022 by Mike Rossiter, PE, and Chris Fritz, PE, to provide civil engineering services focused on water resources and flood control projects. Mr. Rossiter and Mr. Fritz have a combined 35 years of professional experience and have managed a variety of water resources and flood risk reduction projects throughout their careers for public agencies including counties, cities, reclamation districts, and flood control agencies. R&F is a small firm in Roseville, CA that places a strong emphasis on client satisfaction and personal service.

Undergraduate Research Assistant positions (Ujima GIRL/GIRL+ STEM Project)

The [Ujima GIRL/GIRL+ Project](#) aims to expand STEM access among African American/Black girls and women through hands-on robotics during the summer and academic year. We will hire multiple students to assist with various aspects of our project (e.g., administrative tasks, social media, research, curriculum).

All interested students should submit application materials (resume and cover letter) via Handshake or via the email address on the attached flyer.

- Students interested in education and psychology research and/or culturally relevant curriculum development related to the attached job description can contact me (Dr. Faheemah Mustafaa, fnmustafaa@ucdavis.edu) with any questions.
- Students interested in STEM (e.g., engineering, robotics), administrative work, and/or social media should contact us with questions via the email address on the flyer.

Ph.D. Fellowships at Texas A&M - GAANN Program on Advanced Construction Methods for Infrastructure Resilience

Texas A&M is inviting applications to their Graduate Assistance in Areas of National Need (GAANN) program in “Infrastructure Resilience in the Context of Advanced Construction Methods” supported by the Department of Education. They are looking for qualified applicants with B.S. or M.S. degrees that are interested in teaching and multidisciplinary Ph.D. research in the broad area of advanced construction methods.

Handshake Opportunities

[6027830](#) Intern - Civil Engineering: Kimley-Horn

Scholarships and Awards

New Grant Resource for Students

BTB Basic Needs Grant Application

As a formerly incarcerated or system impacted student you may be experiencing many barriers including those that directly impact your financial and basic needs. Through funding provided by the basic needs center, Beyond the Barriers may be able to offer some economic relief to help offset the cost of housing and/or food insecurity. Grants will be offered on a sliding scale but will not exceed \$1000. Grant application will be open from February 11th and remain open until funds are expended. First review of applications will begin March 1st and the second review will occur on April 1st. Applications may take up to two weeks to process.

They encourage the following students to apply:

- Enrolled in the current academic quarter (at least 6 credits/units) or session as a UC Davis student.
- Have demonstrated financial need
- Identify as formerly incarcerated or system impacted

What does it mean to be system-impacted?

System-impacted means a member of your immediate family (parents, guardians, siblings, children) have been incarcerated or otherwise involved in or affected by the carceral system. System-impacted as an umbrella term also includes formerly incarcerated people.

https://docs.google.com/forms/d/e/1FAIpQLSfAQrjvcVRjaq_fSg5dZ4mHb4nmMvfb2ka2V02bXr0U-p6g/viewform

Energy and Transportation Career Development Award

The Energy and Transportation Career Development Award has been established to provide financial resources to students in order to assist them with their career development aspirations. In 2022 we will be providing up to \$5,000 for an undergraduate student participating in an internship (or other career development experience) preferably with a focus on energy and/or transportation.

See attached for details and link to apply. The deadline to apply is Friday, April 1st (however, we can be a little flexible on this).

Lang Prize for Undergraduate Information Research

The 2022 application period for the Library's sixth undergraduate information research prize, the [Lang Prize](#), is open through April 4, 2022. The Lang Prize recognizes students who make exceptional use of library resources, services, or expertise for a class project. Please consider reaching out to those students who merit recognition for the quality of their information research during Spring 2021, Summer 2021, Fall 2021, and Winter 2022 quarters and alert them to this opportunity.

Awards

All Undergraduate Students:

- Arts, Humanities & Social Sciences: first prize, \$1000; second prize, \$750; third prize, \$500
- Science, Engineering & Mathematics: first prize, \$1000; second prize, \$750; third prize \$500

For details on prize categories, eligibility and important dates, and the application, check out their [website](#)- or feel free to contact amcmanus@ucdavis.edu if you have any questions

Society of Women Engineers 2022 Scholarship Opportunity

\$500-\$1,000 Scholarships Available

Applications due on Friday, April 15, 2022

Females enrolled in an undergraduate engineering or computer science program are eligible to receive a scholarship ranging from \$500-\$1,000 if they attend one of the following academic institutions:

- UC Davis
- CSU Sacramento
- University of the Pacific

Or transferring in from:

- American River College
- Sacramento City College
- Cosumnes River College
- Folsom Lake College
- Sierra College

If you have any questions, please contact Scholarship Chair Lan Nguyen (swesvsscholarship selection@gmail.com).

[Apply Here](#)