

# MESA/MPS/UndocuSTEM

Newsletter Winter 2024 Week 7

Welcome to Week Seven! We are halfway through the quarter! Please take a moment to check out some upcoming events and opportunities you may be interested in!

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## Meet our MESA Ambassador (one of many)

Hey everyone! my name is Brian Sawaya and this is my first year being a student at De Anza and Foothill College.

I'm planning on majoring in mechanical engineering, and working on wearable technology and prosthetics in the future.

I'm hoping to transferring to UC Davis, or UC Berkeley, but I am also open to transferring to other schools I find.

I'm here to help you find internship opportunities, transfer to a 4-year institution, and figure out your goals.

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## EVENTS THIS WEEK

### Upgrade/Check Your Registration Date!

Registration for Spring starts Feb 20th. Make sure you know your registration date and are prepared to sign up for Spring quarter classes! If you have any questions, reach out to our counselors!

### This THURSDAY Chat with Dr. Yvonne Cagle, NASA Astronaut

- Date: Thurs, Feb 23rd from 1:30-2:30pm
- Location: DA Planetarium

- Register Here: <https://forms.gle/7YdLca4kc7riyWsY8>

Dr. Yvonne Darlene Cagle is an astronaut for the National Aeronautics and Space Administration (NASA), and consulting professor for Stanford University's department of cardiovascular medicine and its department of electrical engineering. Dr. Cagle currently is the chief scientist for the Level II Program Office of NASA's Commercial Reusable Suborbital Research program. She was assigned as Stanford's lead astronaut science liaison and strategic relationships manager for Google and other Silicon Valley programmatic partnerships. Her groundbreaking work is preserving NASA legacy data while galvanizing NASA's lead in global mapping, sustainable energies, green initiatives and disaster preparedness.

## PUMAS Summer Internship Info-session this Friday!

Promoting Underrepresented Minority Advancement in the Sciences

- Date: Friday Feb 23rd, 9:00AM-9:45AM
- Location: Zoom [Registration here](#)

PUMAS is our flagship internship program aimed to increase the representation of underrepresented groups in the sciences.

[Learn more here](#)

## De Anza College's First Symposium—Elevating Undergrad Research

Join us at De Anza College's first-ever Symposium, an innovative event aimed at boosting undergraduate research opportunities within CCs.

This symposium is your ticket to discover amazing **research projects** by fellow CC students and explore ways to bolster your own research! It's a unique chance to see your peers in action, presenting their research findings to an audience of fellow students, faculty, and visiting scholars while receiving constructive feedback from distinguished professors and research experts.

The symposium will provide a collaborative platform for students, faculty, and administrators to share insights, strategies, and best practices to overcome challenges and maximize resources for research endeavors, an integral part of gaining experience especially if you plan to transfer to a four-year institution. Don't miss out on this chance!

RSVP form: <https://forms.gle/pY72qHeg1XnmherW8>

Date: March 1st from 1:30-6:00 pm

Location: FORUM buildings (Room details to be emailed)

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## De Anza STEM Learning Communities

**MPS (Math Performance Success Program) Spring Registration is now Open!!**

MPS is for students who would like additional support in math. We offer MPS Math 10, 31, 32, Math 1A, Math 1B. If you are interested and would like to register for one of our MPS courses, go to [www.deanza.edu/mps/](http://www.deanza.edu/mps/) and fill out the application. [Follow us on instagram](#)



DeAnza College | MPS: Math Performance Success

**DO YOU FIND MATH CHALLENGING?**  
Join MPS!  
Spring Application is now open

MPS OFFERS THE FOLLOWING COURSES:

- MATH 10: INTRO STATISTICS
- MATH 31: PRECALCULUS I
- MATH 32: PRECALCULUS II
- MATH 1A: CALCULUS IA
- MATH 1B: CALCULUS IB

WITH MPS, YOU GET:

- SPECIALIZED INSTRUCTION IN A SUPPORTIVE ENVIRONMENT
- ACADEMIC COUNSELING
- FREE TUTORING
- EXTRA CLASS TIME

Apply

APPLY AND REGISTER FOR AN MPS CLASS AT:  
DEANZA.EDU/MPS/



**MESA** stands for **Mathematics, Engineering, and Science Achievement**, and it is designed to support underserved and underrepresented students in **Calculus-based STEM majors** (Science, Technology, Engineering and Mathematics), who plan to transfer and continue their studies towards a four-year degree. *If you are interested in being part of MESA fill out this [Application Form](#). [Follow us on instagram](#) and discord coming soon!*

**UndocuSTEM** aims to **support** undocumented students in the fields of STEM (Science, Technology, Engineering, Math) through **accessibility, opportunity, and resources** by creating a program that **promotes equity, racial justice, leadership, and career development**. The UndocuSTEM program was founded by students, and funded through the **LatinXCEL grant** from the **Silicon Valley Community Foundation**. Click [here](#) for more info!

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## External Events and Opportunities

**SVCF scholarship applications now open!**

Silicon Valley Community Foundation is proud to offer a range of scholarships open to diverse groups of students. **Apply now for [scholarships](#) for the 2024-2025 school year!**



The application deadline for most scholarships is **February 29, 2024**, by 12:00 pm (noon) PST. [scholarships@siliconvalleycf.org](mailto:scholarships@siliconvalleycf.org).

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## Cornell LSAMP Summer REU

Program Dates: **June 9–August 9 2024**

CU LSAMP REU is a nine-week summer research opportunity that provides undergraduate participants with the opportunity to work with distinguished faculty and staff as well as network with others in their field of interest. Participants develop and conduct research with a faculty

research mentor and present at a symposium on campus. Students are supported through a \$6300 stipend and other resources.

[Benefits and Program Overview](#)

[Participant Eligibility](#)

[Application Information](#)

<https://sites.coecis.cornell.edu/lsampreu/>

**Contact Us:** Diversity Programs in Engineering

[dpeng@cornell.edu](mailto:dpeng@cornell.edu)

(607) 255-6403

**Deadline: February 23, 2024 (11:59 pm)**



**CornellEngineering**  
**LSAMP**  
 Louis Stokes Alliance for Minority Participation  
**Summer Research Experience for Undergraduates**

**Program Benefits:**

- ✓ \$6,300 stipend
- ✓ On-campus housing & meal plan
- ✓ Travel stipend up to \$500
- ✓ Campus bus or parking pass

**Eligibility Requirements:**

- ✓ U.S. Citizen or Permanent Resident
- ✓ Be in good academic standing with a GPA of 2.0 or better
- ✓ Completed at least 2 semesters of college
- ✓ Have at least 2 semesters remaining after summer 2024
- ✓ STEM major
- ✓ See website for more

**To Apply:**

- ✓ Submit application and essay
- ✓ Official transcript(s)
- ✓ Resume or CV
- ✓ 2 letters of recommendation
- ✓ Deadline: February 23, 2024

**About Cornell University LSAMP-REU Program (CU LSAMP-REU):**  
 The CU LSAMP-REU is a paid summer research opportunity that provides undergraduate scholars with the opportunity to work with distinguished faculty and staff as well as to network with others in their field of interest.

**During the 9-weeks, scholars will conduct research under the auspices of a faculty or research mentor at Cornell University. They will gain theoretical knowledge and practical training in academic research and scientific experimentation.**

**CU LSAMP-REU Scholar Will:**

- Develop a meaningful research agenda and conduct research with a faculty/research mentor
- Present a scientific research talk
- Design a research poster and present at on-campus symposium
- Write an abstract

[tiny.cc/culsamp](http://tiny.cc/culsamp)

**Website & Contact:**  
[tiny.cc/culsamp](http://tiny.cc/culsamp)  
[dpeng@cornell.edu](mailto:dpeng@cornell.edu)



**CABBI** U.S. DEPARTMENT OF ENERGY  
**RISE**  
 Research Internship in Sustainable Bioenergy

Join us at **RISE**, an internship program providing bioenergy research opportunities for undergraduates from groups currently underrepresented in STEM!

**Eligibility:** U.S. citizen or permanent resident enrolled in a degree-granting college/university with at least one semester of course work remaining before obtaining bachelor's degree.

**Details, info session dates and application:** [cabbi.bio/RISE](http://cabbi.bio/RISE) **Apply by:** Feb. 20, 2024

10 Weeks	\$6,000 Stipend	Housing & Travel Provided	Scientific Mentorship	Career Development
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**About RISE:** This is a 10-week summer research opportunity targeting *underrepresented students* interested in bioenergy research. Students seeking experience in plant biology, agronomy, synthetic biology, environmental sciences, chemical engineering, and civil & environmental engineering are welcome to apply!

**The Plan:** Students will be paired with a CABBI mentor, conduct research, attend career development seminars, learn about the graduate school application process, and practice STEM communication by presenting research at a summer symposium.

**Program Dates:** May 28-Aug. 2, 2024

**Check out videos featuring students in the 2021 and '22 programs:** [cabbi.bio/RISE](http://cabbi.bio/RISE)  
**Need assistance?** Contact Anna Fedders, [afedder2@illinois.edu](mailto:afedder2@illinois.edu)

**About CABBI:** One of four U.S. Department of Energy-funded Bioenergy Research Centers, CABBI's mission is to develop an economically viable and ecologically sustainable domestic biofuel and bioproducts industry from dedicated bioenergy crops.

## RISE summer internship program

RISE (Research Internship in Sustainable Bioenergy) is a summer internship program offering bioenergy research opportunities for undergraduates from groups currently underrepresented in STEM.

During the 10-week program, students gain experience in plant biology, agronomy, synthetic biology, genetics, environmental sciences, chemical engineering, and civil & environmental engineering. Successful applicants will be given a \$6,000 stipend; housing and travel are provided.

## RESEARCH OPPORTUNITIES IN CHEMISTRY FOR COMMUNITY COLLEGE STUDENTS

Department of Chemistry & Biochemistry  
 OLD DOMINION UNIVERSITY  
 Norfolk, Virginia



May 20 to Jul 26, 2024

Generous Stipend \$6000  
 Housing allotment or dorm room also provided

Apply by February 16, 2024

Open to community college students interested in a career in chemistry, biochemistry, or related field who will complete the college chemistry sequence by the end of Spring 2024

For more information: scan the QR code to go to [odureusites.org/chem](http://odureusites.org/chem)



**Research Topics:**

- Environmental Chemistry
- Molecular Modeling
- Nanomaterials
- Drug Design
- Energy & Fuels
- And Many More!

For more information and to apply visit [www.odureusites.org/chem](http://www.odureusites.org/chem)  
 An NSF-REU Site (Award numbers CHE-1659476 and CHE-2150385)

## Research Opportunities in Chem

10-week (May 20 – Jul 26, 2024) program will give community college students the chance to work in a lab on a real-world research project and gain valuable skills for transfer to a 4-year major and a future STEM career or graduate program. Website for more information:

[www.odureusites.org/chem](http://www.odureusites.org/chem)

Women, minorities, first-generation college students, and veterans are strongly encouraged to apply. Preference will be given to applicants who are not planning to pursue an MD.



Advancing Space Science through Undergraduate Research Experience

# ASSURE 2024 REU

paid internship at UC Berkeley's Space Sciences Lab (SSL)

- Recruiting community college and other undergraduate students majoring in physics, chemistry, earth science, astronomy, computer science and all engineering subjects.
- First generation students and those with identities historically underrepresented in the sciences are strongly encouraged to apply.
- 10 week paid internship living in Berkeley, June 3 to August 9, 2024.
- For more information and application form: [www.ssl.berkeley.edu/assure](http://www.ssl.berkeley.edu/assure)

**Info session 3pm PST on Feb 15:**  
[tinyurl.com/assure-2024](http://tinyurl.com/assure-2024)

**Applications due 11:59pm PST on March 1st, 2024**

**Logos:** ODU, NSF, Berkeley Engineering

## ASSURE Summer Research Program

Advancing Space Science through Undergraduate Research Experience (ASSURE) is an NSF-funded REU program run by the Space Sciences Laboratory (SSL) at the University of California, Berkeley. Through a ten-week paid internship, students will be able to research a topic of their choice an experience the Berkeley Campus.

Here is the [application](#) for the 2024 ASSURE program, which will run from June 3 to August 9th, 2024.

Application Deadline: Feb. 20, 2024

<https://cabbi.bio/outreach/rise-summer-internships/>

Deadline to **Apply**: February 20, 2024

Participants receive (**\$6000**), on-campus housing, and travel assistance to and from the site if outside the Hampton Roads area.

The deadline is **Feb 23rd, 2024**. Letters of recommendation are due by Mar 15th for full consideration.

There is an [online information session](#) on Thursday, February 15 at 3 pm PST.

Questions can be sent to: [assure@berkeley.edu](mailto:assure@berkeley.edu)

Check out student projects from previous summers on the website:

<https://www.ssl.berkeley.edu/assure/>

**Deadline: March 1st, 2024**

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## UC Davis Toxicology Summer Internship

“The Toxicology Mentoring and Skills Development Training Program (ToxMSDT), housed at the University of California Davis, is a special opportunity for underrepresented undergraduate students to participate in a year-long mostly remote toxicology training and mentoring program.”

Funded by the National Institute of Health, the goal of this program is to attract diverse undergraduate students from around the United States to pursue careers in biomedical research, especially in the field of toxicology. Successful applicants will be teamed with a mentor meeting remotely throughout the year. In-person activities include the program kickoff workshop at the University of California Davis, a visit to the mentor’s work site, attendance of the annual Society of Toxicology meeting, and a celebration of the program successes at the Capstone Event at Tuskegee University. Online learning modules are provided throughout the duration of the program to increase mentees knowledge about toxicology. Travel cost support for programmatic activities will be provided by ToxMSDT. This program supplements the regular academic pursuits of students.”

**Applicants should have completed at least one semester of biology and chemistry.**

[Apply here](#) by April 26, 2024



**PUMAS (Promoting Underrepresented)**



**E. Kika De La Garza Fellowship Program**

**filoli**

**Horticulture Intern**

**Filoli Horticulture Intern**

## Minority Advancement in the Sciences) Summer Internship Program

The Promoting Underrepresented Minority Advancement in the Sciences (PUMAS) summer internship program aims to provide historically underrepresented community college students with laboratory experience before they transfer to a four-year institution to pursue a bachelor's degree in science, technology, engineering, or mathematics (STEM). Students will have an opportunity to gain valuable, hands-on experience in biomedical, behavioral, and clinical research.

**Questions?** Email the program coordinator, Emma Doctors, at [academicaffairs@gladstone.ucsf.edu](mailto:academicaffairs@gladstone.ucsf.edu)

**Application Deadline: March 3, 2023**

Learn more about the program here:

<https://gladstone.org/training/pumas-summer-internship-program>

Faculty and staff from Hispanic-Serving Institutions (HSI) and Hispanic-Serving School Districts (HSSD) are invited to apply to the U.S. Department of Agriculture's (USDA) E. [Kika De La Garza Fellowship Program](#).

Participants will spend one to two weeks at USDA headquarters in Washington, DC learning about the many federal resources available to support their students and institutions.

This program is offered through USDA's Office of Partnerships and Public Engagement Hispanic-Serving Institutions National Program.

For more information, please contact Julio C. Puentes at [julio.puentes@usda.gov](mailto:julio.puentes@usda.gov) or (773) 633-8822.

**Application deadline: March 4, 2024**

Filoli's Internship program offers college students an introduction to a career in horticulture, public gardens, museums, and nonprofit administration. During the 10 week summer program, interns are welcomed as part of the Filoli community -- collaborating with staff and their supervisor to accomplish projects, interact with Filoli visitors, and regularly meet with their summer intern cohorts.

Apply [here](#)

Location: Woodside, CA

**Deadline: April 1, 2024**

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## Previously Mentioned



### Space Workforce 2030 (SWF2030)

SWF2030 is a government effort dedicated to diversifying aerospace and providing opportunities for underrepresented populations. Apply through this organization and have the chance to intern at Jet Propulsion Laboratory (JPL), ASTRA, ROCKETLAB, along with many other partnered companies and organizations.

**Summer 2024 applications are open now!**

[Apply through their website here.](#)

**Eclipse Ambassadors (Astronomical Society of the Pacific)**

Through this program, you'll take a course, participate in partnerships, and engage with the community with eclipse resources. Additionally, you'll gain opportunities at NASA, a year long membership to the Astronomical Society of the Pacific, and much more.

*Get ready for April 8th, 2024, the next total solar eclipse that will cross over the US!*

[Ready to represent? Learn more here.](#)

## Stanford Opportunities

### Stanford Clinical Science, Technology and Medicine Summer Internships 2024



- **SASI Foundations:** signature two-week on-campus program with a capstone partnering with a patient in solving a health care problem. Program Dates: **June 24-July 5, 2024**
- **SASI Clinical Skills:** An immersive one-week on-campus experience empowering essential clinical skills to discover medical career. Program Dates: **July 15 - July 19, 2024**
- **SASI Virtual:** An interactive and engaging program for those who prefer to join us for an online-only virtual experience. Program Dates: **July 29 - Aug 9, 2024**
- **Registration Dates:**
  - ED2: January 5, 2023
  - RD1: January 26, 2023
  - RD2: March 7, 2023
- [Learn more about the opportunity through their website](#)

## Transfer

### Looking for more?

Looking for potential Internship opportunities? Check out these websites

- [REU Finder for STEM undergraduates](#)
- [STEM Community College Resource](#)

### Get Updates From Our Transfer Center

Transfer Center [Website](#)

Join the mailing list through [this form](#).

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**FEATURED @ DE ANZA**



## Math, Science & Technology Resource Center (MSTRC)

Need some extra support? Stop by the MSTRC for additional tutoring and resources!

### Tutoring Subjects

- Math
- Physics
- Chemistry
- Biology
- Engineering

### Services Offered

- [Drop-In Tutoring](#)
- [Weekly Individual Tutoring](#)
- [Group Tutoring](#)
- [In-Class Tutoring](#)
- [Workshops](#) (back by popular demand!)
- [Math Review and Preparation](#)
- [Math Modules](#)
- [Study Skills](#)

## UNDOCUSTEM

UndocuSTEM aims to **support** undocumented students in the fields of STEM (Science, Technology, Engineering, Math) through **accessibility, opportunity, and resources** by creating a program that **promotes equity, racial justice, leadership, and career development**. The UndocuSTEM program was founded by students, and funded through the **LatinXCEL grant** from the **Silicon Valley Community Foundation**.

Arlyne - an UndocuSTEM Research Intern - who has worked together with volunteers to create an [excel sheet to track all the available internships](#) from this Fall. Take a few minutes to check it out!

### Connect with UndocuSTEM!

[Instagram](#)

[Discord](#)

Email: [da.undocustem@gmail.com](mailto:da.undocustem@gmail.com)



**Yvette Alva-Campbell**

Yvette is using Smore to create beautiful newsletters



