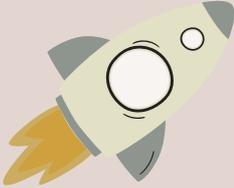# STEM

SANTA MONICA COLLEGE

SPRING 2023 Part I

STEM NEWSLETTER

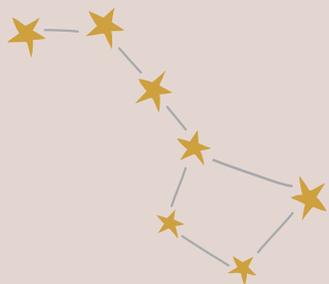## Maximizing Achievement in STEM (MAS)

CONTACT INFO

STEM@smc.edu

(310) 434 - 3988

Location: **DH 301**

REMINDERS

This newsletter is meant to provide important STEM-related updates and information. We encourage you to still check your **STEM Canvas** regularly and to follow us on Instagram **@smcstem** for up-to-date information.

PROGRAM SERVICES

STEM COUNSELING

Appointments can be made by contacting us directly via **email or phone** with your preferred day/time to meet and modality (phone, video or in-person appointment).

IN-PERSON APPOINTMENTS NOW AVAILABLE

> Hi stemies!
> -Jose Cue
> STEM Counselor

Click the image above to watch our counseling video!

COUNSELING CORNER

Is this spring your final semester at SMC?

If yes, make sure to meet with a counselor to determine any degrees, certificates and/or certifications you may be eligible for! The online petition forms can be submitted at the start of the spring semester until April 15, 2023.

The online petition forms can be accessed on the Admission & Records website.

PEER MENTORING & TUTORING SERVICES

Virtual Hours
Monday - Friday   8am - 6pm

ZOOM LINK

In-Person Hours
Monday - Thursday   8am - 5pm
Location DH 301

SUPPLEMENTAL INSTRUCTION SUPPORT (SI)

- Accounting
- Anthropology
- Biology
- Chemistry
- Computer Science
- Economics

- Engineering
- English
- Japanese
- Math
- Physics
- Spanish

MORE INFO

STEM-MAS
opening soon!

*Information Sessions coming soon!

REQUIREMENTS

- Complete the Program Orientation: June 28th OR 29th 2023
- Attend STEM Skills Week: August 14th-18th 2023

STEM Program Courses:
Counseling 12, Counseling 15, and Science 10

Per Semester:
- 2 Counseling Appointments
- 1 STEM Workshop
- 2 Peer Mentor Contacts

The application will be available on our website soon!

Join our mailing list in the meantime to stay up to date.

WHY JOIN?

- Priority Enrollment
- Free STEM Tutoring
- STEM Academic & Career Counseling
- Network with Alumni

- Reserved sections of select STEM courses
- STEM Scholarships
- Access to industry Internships

As a **first generation** college student, the STEM program has helped me throughout my whole academic journey at SMC by providing me with **resources** and a **community** where I can learn to **network** with like minded individuals.

**Jesenia, Mathematics Major, CSU Long Beach
STEM Program Cohort 5**

The stem program has given me so much **love and experience**, all of which I feel extremely grateful for, and with the proper **guidance** and **support**, we all can **reach the heights** we imagine for ourselves.

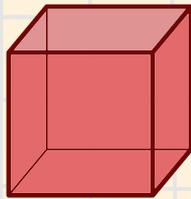**Mitchell, Physics Major, UC Berkeley
STEM Program Cohort 8**
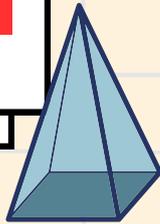
$$V = \frac{4}{3}\pi r^3$$

STEM-TUNITIES PART I

Break Through Tech AI

Hosted at UCLA, the 18-month program will help you master the skills necessary to get jobs in the fastest-growing areas of tech: data science, machine learning and artificial intelligence.

Priority Deadline: March 1st
Final Deadline: April 21st

APPLY HERE

UC Davis ChemEnergy REU

Live on campus for a 10-week research experience. Weekly social activities, participate in field trips to local companies and a weekend trip to Lake Tahoe, and receive training to improve science communication skills.

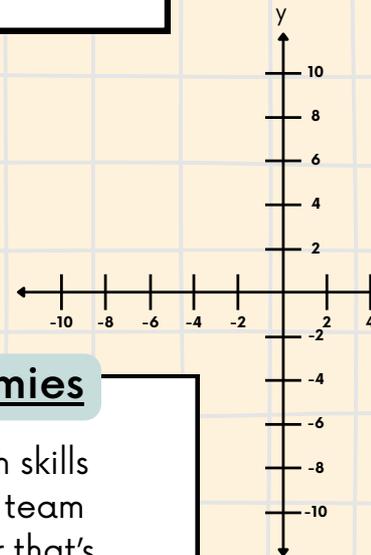Priority Deadline: March 16th
Final Deadline: March 23rd

APPLY HERE

UCI Bridges to Baccalaureate

10-week paid research training consist of working as a full-time UCI employee during the summer. Participants receive practical training in modern laboratory techniques and then are placed in supportive UCI laboratory working environments where they establish peer/mentor relationships.
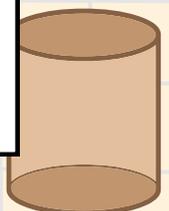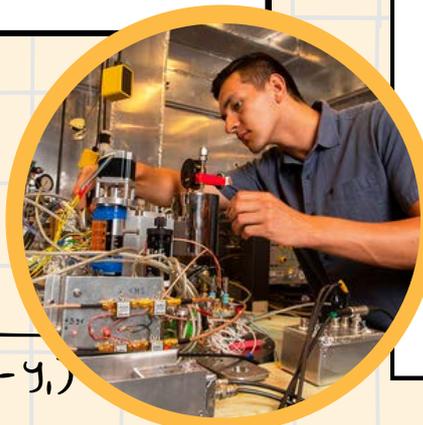
Deadline: March 13th

APPLY HERE

Snap Academies

Develop your tech skills further with Snap team members, whether that's in Design, Engineering, Marketing, Communications, or Augmented Reality.

Application goes live in March

Interest Form

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)}$$

STEM-TUNITIES PART II

$y - y_1 = m(x - x_1)$

$V = \pi r^2 h$

Station1 Frontiers Fellowship

The flagship program of Station1, is a prestigious, life-changing ten-week experience in socially-directed science and technology. Apply to join this transformative program for undergraduates.
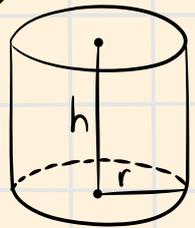
Deadline: Ongoing

APPLY HERE

BioscienceLA

Competitive program to connect students from under-represented backgrounds with subsidized internships and career development programming, designed to increase opportunities for students and companies year-round.

Application ongoing.

APPLY HERE

Connect with our STEM Career Counselors!

Our STEM Career Counselors are available for appointments and look forward to supporting your career and major exploration. To schedule an appointment with either Rachelle or Gohar, please click on the link **here** or call the Career Services Center at (310) 434-4337.

The Career Services Center is also hosting various workshops this semester. Check out the schedule and topics covered **here**.

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Click on the flyer to register for the STEM Career Panel!

STEM CAREER PANEL

Learn first-hand information and practical advice from STEM industry professionals. All SMC majors welcome!

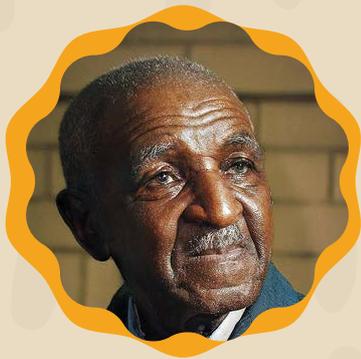**MONDAY, MARCH 27, 2023**
4:45 PM - 6:00 PM PT

REGISTER AT:
https://tinyurl.com/p27hrw

For more information, contact the Career Services Center at (310) 434-4337

Black History Month

During the month of February, we celebrated Black History Month and have highlighted several Black STEM pioneers as part of our spotlight series.

GEORGE WASHINGTON CARVER

One of the most known African American inventors.
Best known for coming up with about 300 uses for the peanut. Some of these included flour, paste, paper, soap, shaving cream, and even medicines.

DR. MARIE M DALY

First Black woman to earn a Ph.D. in chemistry in the United States. Much of her work contributed to what we know today about high cholesterol and its relation to heart disease.
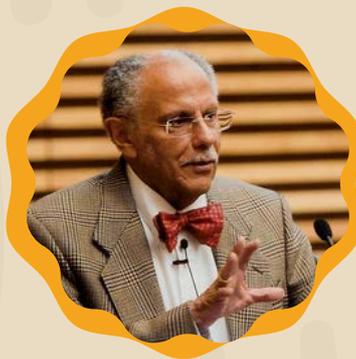
KATHERINE JOHNSON

Worked for NASA as a "human computer" where she would solve difficult math problems. She calculated the path for the Freedom 7, the spacecraft that put the first U.S astronaut in space!

VIVIEN THOMAS

He formulated a surgery that would successfully help save the lives of infants who were born with a heart defect that sends blood past their lungs. He went on to become the director of Surgical Research Laboratories at John Hopkins.

DR. WARREN WASHINGTON

Known for being an expert in climate research and has developed multiple computer climate models that show the impact of human activities on our future climate. He won the National Medal of Science in 2009.

LYDA NEWMAN

Inventor who patented a new type of hairbrush that was specifically for African American hair. She was only the third Black woman to ever receive a patent. She also was a significant women's rights activist.

STEM Alumni

MARIAMAWIT
Computer Science

🏠 Software Developer

🎓 Graduated from UC Irvine

As an immigrant and first-generation black woman in STEM, I highly advocate for all minorities to get equal opportunities and resources to succeed in their academic and professional journey.

ABOUT ME

EXPERIENCES

About Being a Peer Mentor

It was a privilege to be the guide that helped other students navigate through their coursework. It was also a very good way to refresh and solidify my own knowledge as well. It challenged me to get outside of my comfort zone and discover, learn and grow.

STEM Program

It is crazy how something as simple as joining a program can ultimately impact your life and change your future. I was able to secure internship opportunities, build a strong support group, gain academic and career advisors/mentors, receive scholarships and other financial support, network with alumni and other STEM students from other universities— the opportunities are endless.

ADVICE

Please, learn from me and start researching and planning your transfer and even your post-graduation.

CAREER

- **Station1 Research Fellow**

Participated in an accelerated research program including 100 hours of MIT curriculum program on socially directed STEM research; completed over 30 assignments, and 320 hours of research internship.

- **Snap Engineering Academy Scholar**

I learned how to build Full-Stack websites utilizing JavaScript and incorporating Firebase, for authentication, database and deployment purposes.

Financial Aid & Scholarships

FAFSA and CADAA

Priority deadline to apply/renew FAFSA and CADAA

March 2nd

HACU Scholarship Program

The Hispanic Association of Colleges and Universities is pleased to administer scholarship opportunities provided by our partners to assist in defraying some of your college expenditures.

Deadline: May 1st   **APPLY HERE**

FAFSA / CADAA Application Workshops

- **On-Ground**   3/2/23
  In SSC 150B   11:15am – 12:35pm

FAFSA Link   **CADAA Link**

Ebell/Flint Scholarship

Scholarship recipients are chosen based on financial need, academic achievement, and community service/leadership.

Deadline: April 3rd

APPLY HERE

SAP APPEAL

If you have fallen below **Financial Aid SAP Standards**, we strongly encourage you to submit your SAP appeal early through your **E-Docs**. As part of your appeal, you will need to submit an *updated* counselor-approved educational plan. Make an appointment with a STEM Counselor today for assistance!

Western Digital Scholarship

For students who plan to continue their education at a four-year accredited college or university. If selected as a recipient, the student will receive an award ranging from $2,000 to $5,000.

Deadline: March 30th

APPLY HERE

BIPOC Scholarship

The Point Foundation aims to mitigate these issues by providing financial support, community resources, and professional development. Award amount up to $1,500.

Deadline: Ongoing   **APPLY HERE**
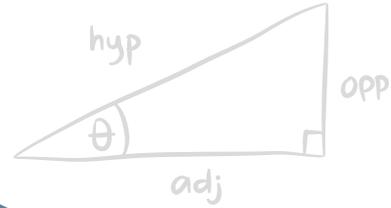
Immigrants Rising

Find scholarships and fellowships that don't require proof of citizenship or legal permanent residency.

More Info
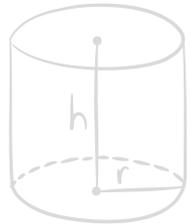
MATH MODULES

Looking for additional support with your math courses?

Look no further!

Use the links below to join the Math Modules via Canvas.

Access:

- **Online Textbooks**
- **Instructional Videos**
- **Self-Paced Exercises**
- **Self-Check Assessments**

Click on the links to add the modules to your Canvas!

Calculus Modules

URL: https://online.smc.edu/enroll/GWN3F9

Algebra, Trig & Statistics (AT&S) Modules

URL: https://online.smc.edu/enroll/JJB9JL

JOIN NOW!!

Available Subjects:

- **Elementary Algebra**
- **Intermediate Algebra**
- **College Algebra**
- **Trigonometry**

- **Precalculus**
- **Calculus**
- **Elementary Statistics**

Questions? Contact:

STEMmathmodules@smc.edu

RESOURCES

BODEGA HOURS

Monday   7:30 AM – 2 PM
Tuesday   7:30 AM – 2 PM
Wednesday   12:30 PM – 6 PM
Thursday   2:30 PM – 8 PM
Friday   10:30 AM – 4 PM
must be currently enrolled

15 Locations

BODEGA
BITES

SMC MEAL PROJECT

Currently enrolled SMC students facing food insecurity can receive free meal support.

Apply Here

NEED A PLACE TO STUDY PAST 5PM?

The LRC is open Monday – Thursday until 7:45pm
Location: Science Building Room 245

Full Schedule

CHANGE REACTION PROGRAM

The program is able to quickly provide grants and loans to those in need and prevent catastrophic life events.

More Info

FIND YOUR ALLY

Free immigration legal services and case support for students.

Here

MAKE AN APPOINTMENT