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**From:** krysten.audibert9@users.smore.com <krysten.audibert9@users.smore.com>

**Sent:** Thursday, March 6, 2025 1:09 PM

**To:** Wurtz, Keith A. <kwurtz@craftonhills.edu>

**Subject:** STEM/MESA Newsletter - Hello Spring!

Hello Spring Semester! February 2025/March 2025

Not displaying correctly? [View in browser](#)

Translate

**A message from Krysten Audibert:**

Hi CHC Managers!

I'm excited to share with you the first STEM/MESA newsletter for the semester! Inside, you'll find program highlights, student spotlights, upcoming events, and much more.

I encourage you to take a look and see what we have going on and what

is yet to come. Your support and involvement are vital to the success of our program, and we're looking forward to a great few months ahead as we approach summer.

Happy reading!



# Hello Spring Semester!

February 2025/March 2025

Welcome, Roadrunners, to the Spring 2025 Semester! You all have kicked off the semester with so much of energy! We've loved seeing so many new faces and of course are always so happy to welcome back our returning STEM Center friends. In this newsletter, we are showing you what's been going on so far and what is yet to come. Happy reading!



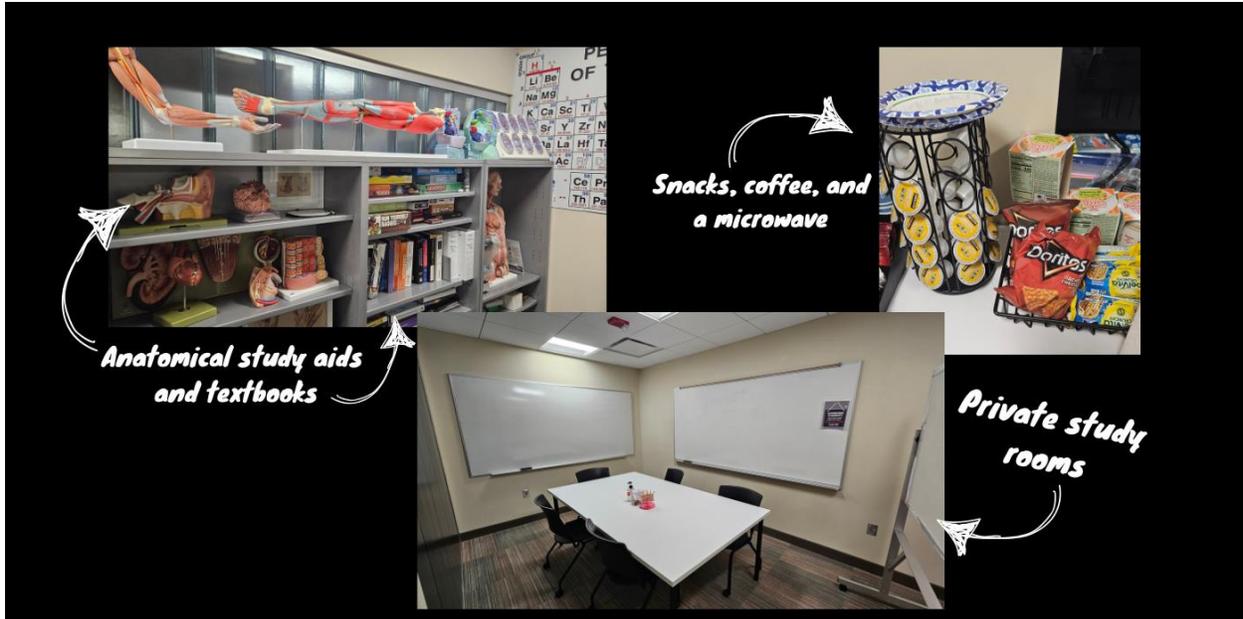
## Spring 2025 STEM Center Hours

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Monday	8am - 6pm
Tuesday	8am - 8pm
Wednesday	8am - 6pm
Thursday	8am - 8pm
Friday	9am - 2pm

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[Check Out the STEM Center's Resources!](#)



To stay informed of STEM Center happenings, follow us on Instagram  [Click here!](#)

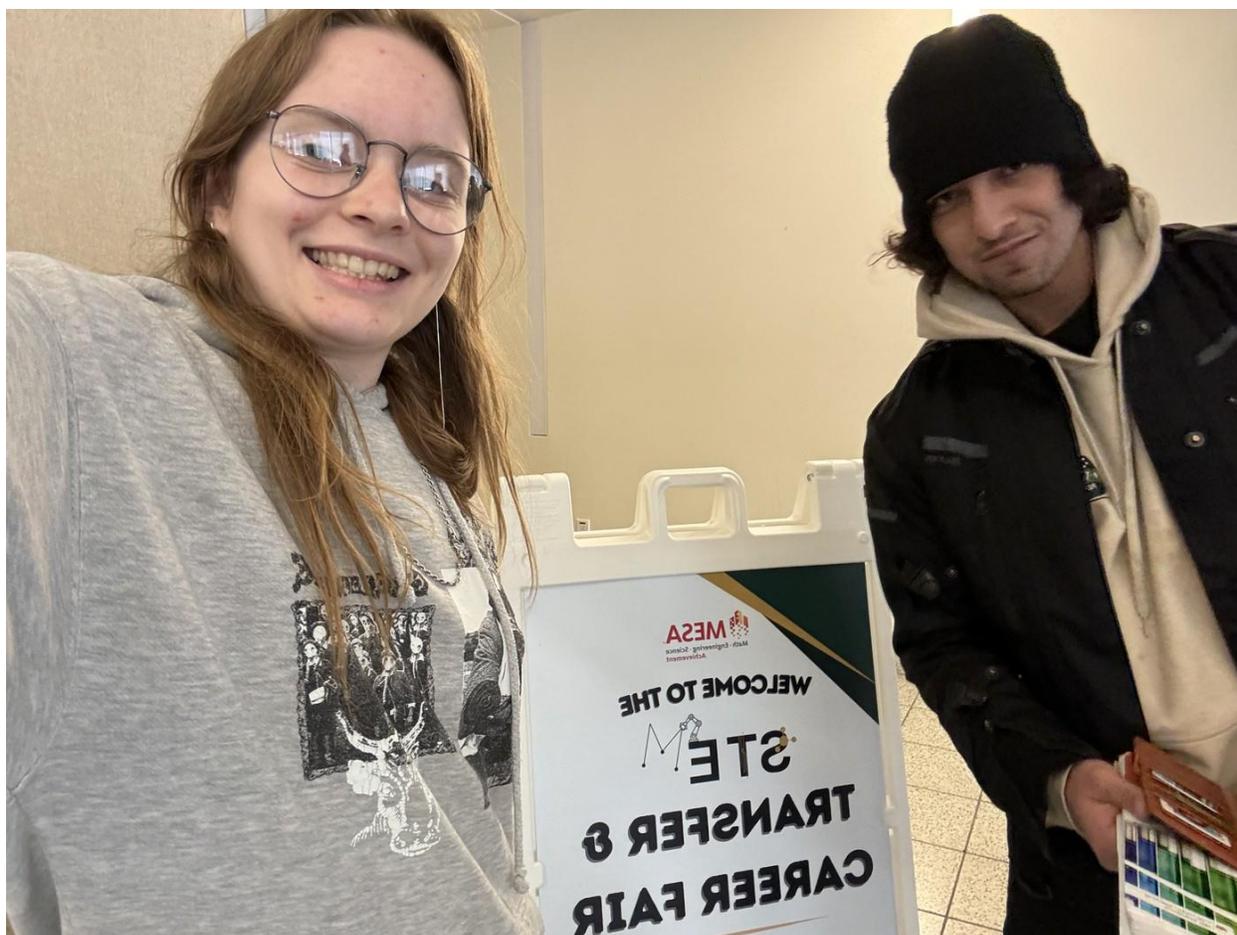
## Are You a First-Gen STEM Student? MESA is Here for You!

In MESA, we believe that all students have the potential to succeed. The MESA program works towards ensuring that all students across the Crafton have access to the courses, support, mentoring, experiences, networks, and other resources that they need in order to earn degrees in calculus-based STEM fields and pursue careers in STEM. MESA also just launched the MESA:BOND system, which pairs more experienced MESA students with our newer members to help build community and provide peer to peer mentorship. Currently, MESA:BOND teams are competing against each other in MESA Madness, a month-long series of fun challenges and games designed to encourage teamwork, problem-solving, and campus involvement. MESA is a great way to help build community among first-generation STEM students!

Click the button below to join MESA!

[Click Here to Join MESA!](#)





The photos above show a few of our MESA students working together to collect points by completing various MESA Madness challenges!

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Chemistry Workshops in the STEM Center



# CHEMISTRY 101 WORKSHOPS

w/ Dr. Drea Dillon



📍 STEM Center, CNTL-218 🕒 4 - 5:30PM

## FEBRUARY

**Week 3 (02/03 & 02/05):** Math Review

**Week 4 (02/10/ & 02/12):** Significant Figures

**Week 5 (02/16):** Dimensional Analysis

**Week 6 (02/24 & 02/26):** Dimensional Analysis Cont. and Nomenclature

## MARCH

**Week 7: (03/03 & 03/05):** Mole Calculations

**Week 8 (03/10 & 03/12):** Types of Reactions

**Week 9:** Spring Break

**Week 10 (03/24 & 03/26):** Stoichiometry

## APRIL

**Week 11 (03/31 & 04/02):** Chemical Bonding (Lewis & VSEPR Theories)

**Week 12 (04/07 & 04/09):** Gas Laws

**Week 13 (04/14 & 04/16):** Intermolecular Forces

**Week 14 (04/21 & 04/23):** Solutions

**Week 15 (04/28 & 04/30):** Acids and Bases

Spring 2025

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Math SI & Study Sessions in the STEM Center

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# STEM CENTER

## Math schedule

Tue	2:30 PM-3:30 PM Math 102 w/ Fahima 3:30 PM-4:30 PM Math 103 w/ Fahima
Wed	5:00 PM-6:00 PM Math 250 w/ Nicholas
Thurs	5:00 PM-6:00 PM Math 250 w/ Nicholas

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Proudly Celebrating Black History Month 🧡💚🧡

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# CELEBRATING BLACK HISTORY MONTH

The BHM 2025 Theme is African Americans & Labor

## Spotlight on A. Phillip Randolph

In 1925, A. Philip Randolph established The Brotherhood of Sleeping Car Porters (BSCP), the **first nationally recognized Black labor union in the United States.**



Under Randolph's leadership, the BSCP expanded its mission to advocate for broader social and economic justice, paving the way for the modern Civil Rights Movement. Randolph went on to organize the famous **March on Washington for Jobs and Freedom** in 1963.

"I have an inner satisfaction of having done what I thought was right."

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Crafton's students, staff, and faculty all came together to celebrate Black History Month in Roadrunner Cafe at the Kick Off on February 3rd, 2025.

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What We've Been Up To This Semester



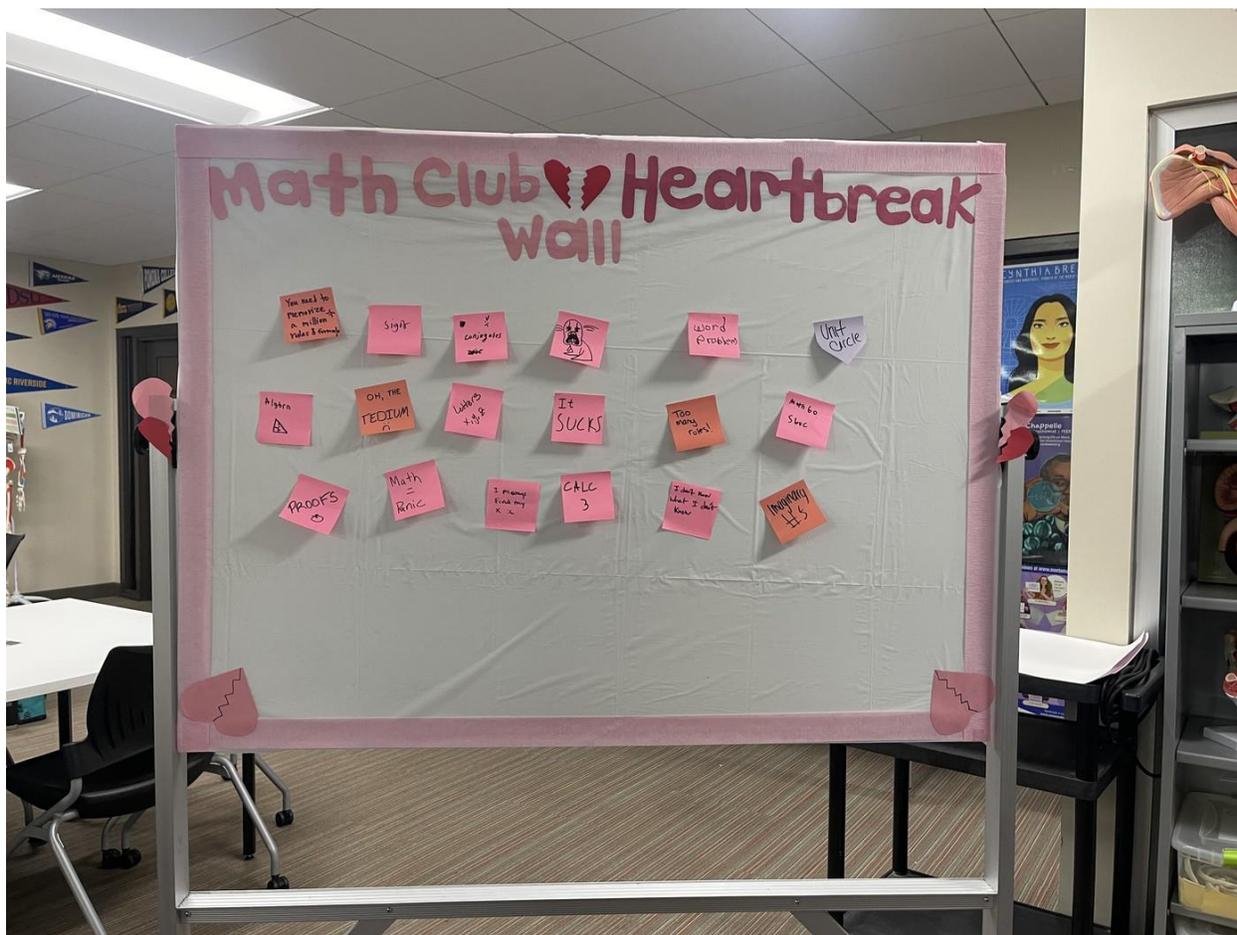
On February 7th, MESA/STEM students toured TAE Technologies, a company leading in the research and development of fusion power!

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On February 21st, we hosted the 2nd Annual STEM Summit! At the Summit, 75 RUSD juniors & seniors visited CHC to learn about the STEM experience at Crafton! They participated in rotating breakout sessions, which included a forensic investigation in Anthropology with instructor Cheryl DiBartolo, a medical case study in Microbiology with instructor Dr. Drea Dillon, and an experiment on velocity and speed with Math instructor Jillian Robertson. The day was packed full with exploring the STEM Center, getting hands-on experience in the labs, and hearing from a panel of current MESA students!



Math Club hosted a Valentines-themed meet and greet in the STEM Center! Students cathartically griped about all their math woes and took quizzes to find out who their mathematician soulmates were! **OXOX**



Daniel Bickel volunteered in the STEM Center to host a month-long series of Python sessions for computer science students.



On March 5th, 24 universities & employers came to our campus to share research/internship opportunities, career pathway guidance, and transfer information with the 200+ students who attended the STEM Transfer & Career Fair! Thank you to all who attended and made the fair such a success!

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Women's History Month Kick Off!

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# WOMEN'S HISTORY MONTH



On Monday, March 3rd, we kicked off Women's History Month by celebrating as a campus community in the Roadrunner Cafe! We would like to extend a heartfelt thank you to everyone who joined us to celebrate! Your participation and support made the event truly special, creating an atmosphere of connection and celebration. It was wonderful to come together to honor the diverse stories, experiences, and achievements of women at Crafton Hills College.

For those who were unable to attend, we are excited to share the video that was showcased during the event. The video features powerful stories from women across our campus, sharing their personal experiences including the women who have inspired them, and offering advice for future generations. We encourage you to watch and reflect on these meaningful voices that make our campus community so vibrant. You can view the video here:

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Mark Your Calendars for These Upcoming Events! 

Event Information

**Women's History Month - Guest Speaker Ann Martgan**

Click here to join us on Zoom: <https://sbccd-edu.zoom.us/j/89772522273>

Ann Martgan is the Senior Manager of Emergency Services for the San Manuel Fire Department. In her role, she oversees the operations of the San Manuel Emergency Medical Services

Department, Office of Emergency Management and San Manuel Tribal Community programs related to emergency services and business continuity. Ann has been a first responder in the San Bernardino Valley for 20 years! She proudly graduated from the Crafton Hills College EMT Program in 2005, VVC Paramedic Program in 2011, and earned her Bachelor and Master degrees in Emergency Services from Grand Canyon University. She is currently pursuing her Doctorate in Public Administration from California Baptist University. Ann most enjoys spending time with her family of two boys (one in college and one a roaring toddler) and her husband, who is also a paramedic. Ann has a major passion for empowering young women to seek careers in STEM and looks for opportunities wherever possible to create pathways and professional growth for the next generation of leaders from her hometown of San Bernardino!

When?

**Tuesday, Mar 11, 2025, 11:00 AM**

Where?

**Zoom :** <https://sbccd-edu.zoom.us/j/89772522273>

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Event Information

**Women's History Month - Empowerment Through Movement Dance Workshop**

This interactive workshop invites participants to explore confidence, self-expression, and body positivity through the art of dance. Rooted in burlesque and belly dance inspired movement, this session provides a safe and supportive space for participants to embrace their strength and individuality. Participants will engage in guided exercises that promote self-empowerment, including movement techniques that enhance presence, fluidity, and personal expression.

No prior dance experience is required - this workshop is designed for all levels, emphasizes self-celebration, and offers a space for personal growth and shared empowerment.

When?

**Wednesday, Mar 12, 2025, 01:00 PM**

Where?

**KHA-133**

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Event Information

**Women's History Month - Panel Discussion**

Click here to join us on Zoom for the panel discussion featuring female entrepreneurs & women-owned businesses : <https://sbccd-edu.zoom.us/j/86705531019>

When?

**Tuesday, Mar 25, 2025, 12:00 PM**

Where?

**Zoom : <https://sbccd-edu.zoom.us/j/86705531019>**

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# WOMEN'S HISTORY MONTH

## SCHEDULE OF EVENTS March 2025

**Mon, March 3**

**Kickoff Event**

12:00 PM-2:00 PM, Roadrunner Cafe

**Wed, March 5**

**STEM Transfer & Career Fair**

11:00 AM-2:00 PM, Quad



**Guest Speaker: Ann Martgan**

**Navigating Male-Dominated Spaces**

11:00 AM-12:00 PM, Online

**Tues, March 11**

**Join Here!**

**Wed, March 12**

**Empowerment Through Movement**

1:00 PM-2:00 PM, Dance Studio (KHA-133)



**Reserve a spot!**

**Panel Discussion**

**Female Entrepreneurs & Women-Owned Businesses**

12:00 PM-1:00PM, Online

**Tues, March 25**



**Join Here!**

**Documentary Viewing**

**He Named Me Malala**

2:30 PM-4:30 PM, CNTL-244

**Wed, March 26**



Throughout the month of March, be sure to visit the library to see the book display **"From Pioneers to Powerhouses: Women in STEM"**

## ✨Student Spotlight✨

### Jorge Trujillo

Last semester, a group of Crafton Hills College computer science wizards competed in a programming competition, International Collegiate Programming Contest (ICPC), under the direction of CSCI Professor Sandra Ruiz her co-coach Daniel Bickel II (Computer Science Supplemental Instruction Leader). Crafton won second place!



The students performed admirably in a field of 88 teams from both two-year colleges and universities. Crafton Hills College was one of only two community colleges whose student participants successfully completed three programming problems in the allotted time. The highest ranking for a community college was 32nd; the CHC team “Crafton Hills College Parus Major” ranked 34th, finishing second among two-year the region’s community colleges. This was the second time CHC has participated in this event, which makes their high scores even more impressive. Coach and Professor of Computer Science Sandra Ruiz exclaimed, “It was a long day but well worth it. Students were excited to see what they could accomplish and are looking forward to participating next year!”

It was a long day for CHC participants and their coaches, with 12 hours of activities. They arrived at 8:00 am for registration. After registration, they had a hosted breakfast and attended an orientation followed by a rehearsal session. At 11:50 am they had lunch and then attended a Q&A session. The competition itself began at 1:30 pm and ended at 6:30 pm. After the competition ended, Roadrunners dined on pizza.

MESA student and ICPC participant, Jorge Trujillo, described his personal experience of the competition.

1. Can you describe your overall experience at the competition?

Jorge: Very overwhelming during the competition, there were many realizations upon completion of the competition regarding what we could have done differently.

2. What kind of support did you receive from faculty and/or peers to prepare for the competition?

Jorge: Weekly luncheons and practice for about 2 months.

3. What was the most challenging problem your team encountered, and how did you approach solving it?

Jorge: The wording of some of the questions was the most challenging problem my team faced. It caused us to lose a lot of time just trying to interpret the question.

4. What new skills or insights did you gain from participating in the ICPC Competition?

Jorge: My coding skills were slightly improved before the competition because of the practice leading up but I did gain a lot of insight about myself, like needing to have better reading comprehension, improve my problem solving skills, and most importantly not let the pressure of an advanced task get to me.

5. What advice would you give to other community college students considering competing in event like the ICPC Competition?

Jorge: Start practicing right now and most definitely improve your reading skills!



## Studying Successfully for Math

In spirit of Pi Day coming up (3.14!!) and since math is the best STEM subject ever (I might be biased 😊), we are linking UC Davis' tips for studying math effectively and efficiently. They've included several studying techniques, why each works, and how to apply them to math. Click the button below to read their tips!

[Click Here for Math Study Tips & Tricks](#)



**STEM Center**

[Contact](#)



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