

STEM EXPLORATION

2021

APRIL 1 – 30

Preregister for events [HERE](#)

Thursday, April 1

How to be SUCCESSFUL in ANY MATH CLASS

5-6 pm

First, we will define what it means to be successful. Come join Professor Ben Hager as you explore solid techniques to help you conquer ANY math class.

Friday, April 2

Night at the Museum: Touring the Deep Time Fossil Hall of the Smithsonian Institution of Washington, D.C.

6-7 pm

Discover one of the premier fossil halls of the world—the Deep Time Fossil Hall of the Smithsonian—virtually! Professor Diana Pomeroy takes you on a tour of the hall, introducing you to how fossils are formed, fossil preservation and preparation, and brings you face to face with all kinds of awesome prehistoric creatures, including dinosaurs - all while describing her experiences as a geoscience educator and paleontologist.

Monday, April 12

Chemistry: A Path to Creative Problem Solving Leading to Patents

10-11 am

With the problems facing the world our neighborhoods and even at home we must look for creative solutions that minimize impact on the environment, cost and accessibility. Even those of us that are socially conscious can benefit from patents that allow us to practice our ideas. We will review how STEM is a continuum of problem identification and solving as an attempt to better understand and explain the world around us. We will practice identifying some problems and how to use some samples of bio mimicry to help understand how mechanical and biological systems have been and continue to be exploited.

Tuesday, April 13

A Day in the Life of a STEM Graduate Student

4:30-5:30 pm

Come and hear from a UC Irvine Chemical Engineering graduate student who will walk you through a typical day in their shoes. After a short presentation, our graduate student representative will be available for Q&A where you can ask all about choosing an undergraduate major, is graduate school in your future, choosing a program, admission requirements, and so on.

Wednesday, April 14

The Beauty of Mathematics and Why Mathematics Needs You

9-10 am

Come learn what it means to do mathematics, why you should consider being a math major, and how to be good at it. We will also look at why many people think mathematics beautiful. By the end you think it is beautiful too.

Thursday, April 15

Adventures in Applied Aquatic Sciences

Noon-1pm

Explore the various career opportunities in the applied environmental sciences sector. SAC Biology Professor, Dr. Kimo Morris will focus on work being conducted here in southern California lakes and coastal ecosystems.

Solving Mysteries Using Cutting-Edge Technology!

7-8 pm

Come meet a Clinical Laboratory Scientist. You will be learning about the people behind the scenes in medicine, the laboratory technologist. What information do they provide to doctors and nurses to enable them to diagnosis and treat patients? Why are they so important? What education is needed to perform this vital and well- paid job? There will be an opportunity for your questions to be answered too!

Monday, April 19

Optimizing your University Experience for a Career in Engineering

Sponsored by MESA

9-10 am

SAC and MESA Alumni Xavier Ramirez will be sharing my experience as a Chemical Engineering student and worker in the field of Engineering to provide insight into how you can optimize your university experience to pursue the field of Engineering.

Career Center Workshop

1-2 pm

Explore career options in the STEM Pathway and learn about the Career Center's resources and services.

Register [HERE](#)

Tuesday, April 20

SAC Geology Alumni Panel

Noon-1 pm

Have you considered about majoring in STEM? What about Geoscience? From 2010-2019, per AGI the number of bachelor's degrees granted to Latinx students in the geosciences increased from 5.7% to 11.7%!! Come join us as we explore “ El Camino” (the journey) of four SAC Alumni as they share their experiences in the geosciences and as students in STEM after SAC! SAC Alumni Panel members are Mauricio and Shayna Avila, Anthony Macias and Doria Ramos.

Wednesday, April 21

STEM CAP – Meet and Greet!

1-2 pm

Interested in a STEM Pathway? Not sure what a STEM Pathway is? Stop by and find out more about the STEM Pathway from Assistant Professor Ann Cass and the STEM CAP Success Team.

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7-8 pm

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Thursday, April 22

Study Strategies and Self-care Practices for College Students

11am - Noon

Join Jessica Martinez, a graduate student in the Biological Sciences Department at Cal Poly Pomona, as she shares study strategies and self-care practices that have helped her successfully navigate through undergraduate and graduate school. Attendees will be encouraged to participate and ask questions during and at the end of the presentation.

Client Server Architecture and Connections

3-4 pm

Students who are interested in learning how front-end applications connect to a backend database should attend. Assistant Professor Jason Sim will demonstrate hands-on live by creating applications from scratch. Students interested in Software Applications and or Database Development should attend. Unfortunately, attendees will not be able to participate in the project creation because of software needs.

Friday, April 23

Wired Presents: Physicist Explains Dimensions in 5 Levels of Difficulty

Noon-1 pm

Stop by and watch theoretical physicist, Sean Carroll, as he is challenged to explain the concept of dimensions to 5 different people: a child, a teen, a college student, a graduate student, and an expert. This showing will be hosted by Professor Mohamed Chakhad and Alex Natale of SAC's Physics Department.

Tuesday, April 27

Organic Chemistry and Drug Discovery

Noon-1 pm

SAC Chemistry Professor William Nguyen will give a brief talk about what organic chemistry is about and how it plays a role in the drug discovery. Students will see some “tools” of the organic chemistry trade!

Thursday, April 29

TED Talk & Discussion: COVID-19's Impact on the STEM Student

Sponsored by MESA

1-2 pm

COVID-19 has impacted each of our lives over the past year. In this workshop we will be discussing a recent TED Talk related to COVID-19 and the impact the pandemic has had on those pursuing careers in Science, Technology, Engineering and Math. How has the role of a STEM student changed moving forward? What's next for education in the post-COVID world?

Friday, April 30

Looking for support in your STEM Pathway?

2-3 pm

Are you considering a career in the field of STEM or Engineering? Will you be eligible to enroll in Math 162, 180, or 185 in the Spring 2021? Are you looking for resources and support during your academic path in a STEM field? If so, stop by and learn more about the Bridge 2 Engineering (B2E) Program.

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