

# WEST Workshops for Engineering & Science Transfers

*Integrating transfer students into the UCSC STEM community*

The WEST Program has served over 600 new UCSC transfer students since 2007. WEST Participants:

- Work closely with graduate students and postdocs in collaborative, hands-on workshops
- Gain deeper knowledge of S&E subject matter while learning valuable research skills
- Are exposed to different S&E disciplines on campus and current areas of research
- Learn about navigating academics and attaining positions in research labs
- Interact with members of UCSC STEM community such as faculty, graduate students, and postdocs

**2019 Program Dates: SEPTEMBER 16<sup>th</sup> - 18<sup>th</sup>**

(Participants are eligible for early move-in on Monday, Sep. 16<sup>th</sup>)

**APPLY at <https://tinyurl.com/2019WESTApp>**

**Application Deadline: August 2<sup>nd</sup>**

Further information:

<http://isee.ucsc.edu/programs/west>

Participants choose a workshop most interesting to them. 2019 workshops include:

## Toxicology WEST

Have you ever heard the saying, “the dose makes the poison”? It implicates all substances as poisons with dosage determining the toxicity. Learners will investigate this phenomenon by designing and conducting experiments, collaborating with others to interpret their results. Learners with interests in human and environmental health, toxicology, biology, chemistry, and ecology are encouraged to apply.

## Chemistry WEST

This workshop will allow students to explore why color changes occur by designing and executing their own experiments and using their evidence to reach a logical hypothesis. This workshop has applications beyond chemistry and so students who are interested in biology or environmental sciences will find that this will help them excel in those disciplines as well.

## Physics WEST

Harmonic oscillation is a prevalent model used to describe the behavior of atoms, particles, and many other objects in STEM fields. Participants will work to understand the applications of the harmonic oscillator in physics and the real world during this engaging, inquiry-based workshop.

## Climate Science WEST

In this activity, we will explore the concept of climate variability by analyzing patterns in both global and regional climates, and investigate how they are projected to change in the future. This interdisciplinary course will be valuable for science students undertaking any major who wish to gain a deeper understanding of climate variability and change.



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