

# WEST

## Workshops for Engineering & Science Transfers

Orientation workshops to facilitate a successful transfer experience and create community between motivated transfer students pursuing majors in Science & Engineering at UC Santa Cruz.

**Participants are placed in one of 2 strands offered, depending on their major interests and space availability:**

### CompSci WEST

Offering exposure to concepts used in machine learning (getting computers to learn from data and make some predictions). Students will use computational tools to learn how to build models by analyzing tradeoffs. During the activities students will get a chance to explore the campus. Some programming experience suggested, but not required.

### Biochemistry WEST

Modern biochemistry at UCSC is supported by a diversity of powerful research tools that illuminate protein structure and function. These tools will be applied to studying the machinery behind protein synthesis, the final step in the "Central Dogma of Biology", the conversion of DNA into protein. Especially targeted to students interested in biochemistry, chemistry and chemical biology. Students will create a detailed experimentally-informed chemical model in similar steps followed by biochemical research teams.

### 2016 PROGRAM DATES

SEPTEMBER 12<sup>th</sup>-14<sup>th</sup> (early move-in available effective Monday 12<sup>th</sup>)

The WEST Program has served over 400 new UCSC transfer students since 2007. The 2016 Program had 83 participants. WEST OFFERS:

- An opportunity to meet other transfer students and learn important concepts in science and engineering by actively engaging in the real processes of science through inquiry based activities.
- Information about navigating academics as a transfer student and securing a position in a research lab.
- Discussions addressing the specific needs of S&E transfer students.
- Multiple venues to meet members of the UCSC community.
- Early residential move-in date with UCSC's Early Arrival Program, specifically for WEST participation, all accepted residential applicants will be granted early move-in on Monday, Sept 12<sup>th</sup>.



WEST is a program of ISEE.  
Institute for Scientist & Engineer Educators - UC Santa Cruz  
isee@ucsc.edu • 831-502-7554