

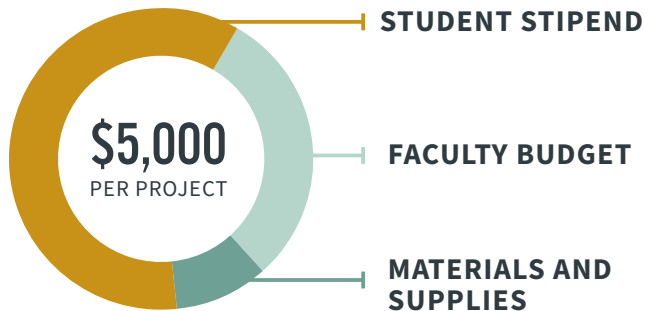


CAL POLY

College of Agriculture, Food
& Environmental Sciences

SUMMER UNDERGRADUATE RESEARCH PROGRAM

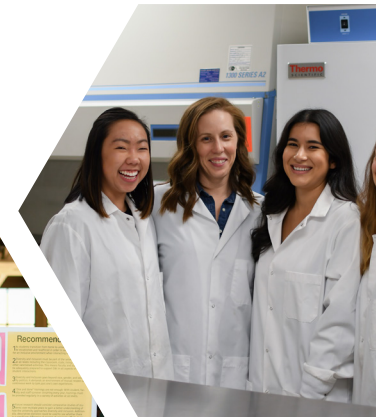
The College of Agriculture, Food and Environmental Sciences **Summer Undergraduate Research Program (SURP)** is an opportunity for undergraduate students to work collaboratively with faculty on cutting-edge research. Students engaged in undergraduate research develop advanced problem-solving and critical thinking skills, learn how to gather information, analyze and evaluate evidence, and gain enhanced communication skills.

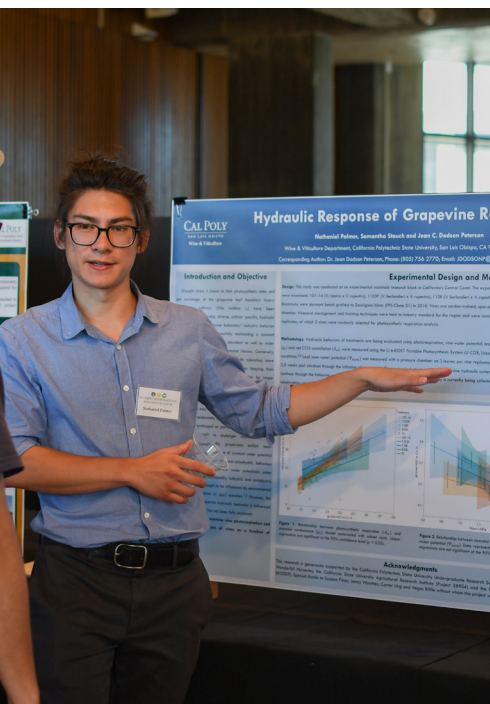


\$500K annual goal to support student research

“Improving farming methods has been a goal of mine and is what led me to enter agricultural sciences. At Cal Poly, I have learned about the many difficulties that farmers encounter, weeds playing a major role. The search for tools to improve the cropping system rather than an attempt to find a silver bullet when managing weeds really interests me.”

– Fourth-year agricultural and environmental plant sciences student





WHY SUPPORT THE SUMMER UNDERGRADUATE RESEARCH PROGRAM?

STUDENT IMPACT

Cal Poly's Learn by Doing method provides a unique opportunity for undergraduate students to work directly with a faculty member on a research project over an intensive 10-week period, teaching them how laboratory research is conducted and results are presented.

INDUSTRY IMPACT

Cal Poly works closely with industry to solve complex problems and find business solutions that add value. Many SURP projects address practical and applied issues that are broadly relevant to industry and offer insights into innovation.

CAREER READINESS

Students participating in SURP gain skills in data collection and interpretation, statistics, and the scientific method which equip them with a toolkit to work collaboratively and add value to multidisciplinary teams. The knowledge and skills they build in this program will benefit them throughout their professional careers as managers and leaders.

20
hrs/wk

Average time students collaborate with faculty mentors on research projects

317

students have participated in SURP since the program began in 2016

CAFES SURP enters its

5th

year in summer 2020

SURP PROJECT EXAMPLES

- A Mechanized Solution for Vegetable Harvesting
- Assessing the Effect of Chinese Tariffs on California Agricultural Industries
- Bacteriophages as a Biocontrol of Foodborne Pathogens
- Investigation of Avocado Oil Nutritional Utilization in the Modulation of Type 2 Diabetes
- Wildfire Reduction in the Wildland-Urban Interface

Give to CAFES undergraduate research now by visiting bit.ly/givesurp

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