

Org-Type Higher-Education-based

Lead University of California

PoC

N/A

PoC-Phone N/A

PoC-Email

cosmos@ucop.edu

Address 1111 Franklin Street 9th Floor Oakland, CA 94607

URL <http://www.ucop.edu/cosmos/>

Service-Region All California

Type Student Program

Subjects Biology|Earth Science|Space|Computer Science|Engineering|Robotics|Other

Level High School (9-12th grade)

Other-Objectives

Served-per-Year

Demographics

Content The mission of COSMOS is to motivate the most creative minds of the new generation of prospective scientists, engineers and mathematicians who will become leaders for California, the nation, and the world. At the request of the State of California, UC provides an opportunity for students who wish to learn advanced mathematics and science and to prepare for careers in these areas. The California State Summer School for Mathematics and Science (COSMOS) is a residential academic experience for top high school students in mathematics and science. The COSMOS course clusters address topics not traditionally taught in high schools such as astronomy, aerospace engineering, biomedical sciences, computer science, wetlands ecology, ocean science, robotics, game theory, and more. Some of the courses that COSMOS offer are: astronomy, aerospace engineering, biomedical sciences, computer science, wetlands ecology, ocean science, robotics, game theory, and more.

Outcomes The program aims to create a community of students who participate in and contribute to an intensive academic experience delivered by distinguished educators and scholars. Through the program students will learn more about courses that generally are not offered in high schools. In taking these courses COSMOS hopes that students will gain interest and pursue career goals in these challenging and exciting fields.

Started

Funded-Through

Length

Cost

Primary-Funding

Primary-\$

Materials

Other-Funding

How-Assessed

Best-Practice-Why "COSMOS participants are given the incredible opportunity of working and studying with some of UC's finest scientists and engineers, including a number of Nobel Laureates. These outstanding faculty provide the participants with unprecedented access to their laboratories, lectures and research."

Promising-Practice

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