COSMOS is an intense, experiential four-week summer learning program for talented high school students interested in science and mathematics. Working side-by-side with distinguished university researchers and faculty members, students will take part in laboratory and field work that encompasses current research underway at the University of California.

**Academics**

**Rigorous, collaborative, hands-on**

The COSMOS program comprises a variety of academic “clusters”, each of which includes two science and/or math courses and a science communications course. Students will experience labs, lectures, field activities and discussions and will work on a related research project.

**Accommodations**

**Summer friendships, lasting bonds**

In providing students the opportunity to live in an on-campus dormitory setting with their peers, COSMOS offers another valuable facet of college preparation. Students form lasting bonds with others who share their interest in and aptitude for science and math. Weekends bring a variety of fun field trips.

**Financial Assistance**

**Need-based aid**

Those who qualify individually for free or reduced lunch by the National School Lunch Program may also qualify to receive financial aid, based on verification of their eligibility and the availability of funding. Students who do not receive free or reduced lunch will be assessed for financial aid based on family size and income.

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**Apply online:**

[ucop.edu/cosmos](http://ucop.edu/cosmos)

**Application period:**

January 21–February 21

**Tuition/fees:**

- $30 application fee (non-refundable)
- $3,100 tuition fee* (includes room and board)

* $6,000 tuition fee for non-California students; not eligible for aid

For further information regarding COSMOS, please visit: [ucop.edu/cosmos](http://ucop.edu/cosmos)
COSMOS courses allow students to explore advanced topics in science, technology, engineering and mathematics (STEM) fields.

Virtual Information Sessions:
January 16  3–4pm
January 23  6:30–8pm
January 30  6:30–7:30pm
February 5  4–5:30pm
www.ucop.edu/cosmos

Application
Limited space, competitive admission
Admission to COSMOS is competitive. To qualify for COSMOS, students must have excelled academically.

As the demand for high-quality STEM opportunities for California pre-college students has increased in recent years, the number of COSMOS applicants has grown, too. Due in part to campus housing limitations, the program can only accommodate about 700 students each year.

Admission criteria include:
• High academic performance (grades) in STEM courses
• Recommendations from STEM teachers
• Thoughtful responses to short-answer questions

Priority is given to 9-11th grade students. Previous COSMOS attendees are not eligible for admission.

<table>
<thead>
<tr>
<th>2014</th>
<th>UC Davis</th>
<th>UC Irvine</th>
<th>UC Santa Cruz</th>
<th>UC San Diego</th>
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<tr>
<td>July 6–August 2</td>
<td>July 6–August 2</td>
<td>June 29–July 25</td>
<td>July 6–August 2</td>
<td>July 6–August 2</td>
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**BIOLOGICAL SCIENCES**
- Biomedical Sciences
- Genes, Genomes, Biocontrol A  
- Tissue and Tumor Biology and Modeling BA, O
- Biomedical Sciences-Clinical Translation Science B
- Biology of Oceans and Estuaries B

**PHYSICAL SCIENCES**
- Physics in Electro-optics and Nuclear Technology A/P
- Astronomy and Astrophysics AG
- Big Bang and the Subatomic World AG
- The Chemistry of Life A O

**MATHEMATICS**
- Mathematics A
- Mathematical Modeling of Biological Systems A T

**ENGINEERING**
- Intro to Engineering Mechanics TP
- Computer Networking and Astronomy A
- Computer Networking and Astronomy A
- Mobility Engineering for Land, Air and Space A GP

**COMPUTER SCIENCE**
- Mobile Digital Media AO
- Video Game Design A
- Computers in Everyday Life A O
- Music and Technology O

Prerequisites: A Algebra A T Algebra II G Geometry T Trigonometry B Biology C Chemistry P Physics O Other

For campus-specific information, please visit:
UC Davis   cosmos.ucdavis.edu  UC San Diego   cosmos.ucsd.edu
UC Irvine   cosmos.uci.edu      UC Santa Cruz   cosmos.ucsc.edu