UCI COSMOS
California State Summer School for Math and Science

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

Accommodations
COSMOS offers students first hand experience in living away from home on a college campus, by providing students the opportunity to live in UCI dorms with their peers. Students form lasting bonds with other students who share their interest and aptitude for science and math.

Financial Assistance
Financial aid is available for the summer and is distributed based upon need. All financial aid requests must be complete and submitted with supporting documentation by the application deadline. Documentation must include gross annual family income and total number of dependents.

If there are any special circumstances that need to be addressed in regards to payment for our application or acceptance fee, please be sure to contact statewide directly at cosmos@uci.edu.

Academics
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, course discussions, and will have the opportunity to work on a related research project.

To apply for the program, visit: cosmos.uci.edu

Application Deadline:
February 7th, 5pm PST

Tuition/fees:
$30 Application Fee (non-refundable)

$200 Acceptance Fee

$4,128 Tuition Fee (includes 4-weeks of room & board)
Admission Criteria Includes:

- Rising 9th-12th graders*  
  *Priority is given to 9-12th grade students
- Motivated and talented High School students
- 3.00 Minimum GPA
- High academic performance in STEM courses
- Upload High School Transcript(s)
  *Please note that if accepted, you will need to provide an official transcript. Further information will be sent to you at a later time.
- Must have taken prerequisites
  *Prerequisites for each cluster may vary and must be completed prior to the summer with a passing letter grade
- Personal Statement Response
- Participation in extracurricular activities or organizations
- Teacher Recommendation(s)  
  (STEM Teachers Preferred)
  *One Required. Two Suggested

Application:

Admission to COSMOS is competitive as space is limited for all campuses. To qualify for COSMOS, students must have excelled academically.

In the application, students are advised to choose their top two clusters on their application.

Clusters include:

1. Mimicking Natural Protein: Protein Interactions to Target Cancer and Other Disease
2. Computation and Machine Learning: Physics, Big Data, and Our Understanding of the Universe
3. Tissue and Tumor Biology and Mathematical/Computational Modeling
4. Can You Make the Next Billion-Dollar Antibiotic?
5. Sound for Virtual Reality: An Exploration of 3-D Sound and Movement using Python Game Engines
6. Biomedical Sciences - Clinical Translational Science: The Next Generation of Biomedical Research
7. BioEngineering Your Brain: Controlling the World with Your Brainwaves
8. Genes, Genomes, and Skeletal Muscle Dystrophies
9. Sustainable Civil Engineering Infrastructure

Cluster & Weekend Fieldtrips

Each cluster throughout the duration of the summer has its designated field trips which may include visits to:

UCI Medical Center  
Irvine Regional Park  
Crystal Cove Park  
OC Water District

Weekend Fieldtrips include:

- Beach Day  
- Angels Baseball Game  
- San Diego Zoo

If you have any questions please contact:

Erick Espino  
Erickel@uci.edu  
(949)824-1861

For more information, please visit:  
cosmos.uci.edu