
High School Summer Programs

2021 MOSTEC Program

Program dates: MOSTEC online from June - December, 2021 - Official dates available Early 2021

MIT offers summer programs for juniors. Applicants must be US citizens or permanent residents to apply. *Last year's National Programs included:* Minority Introduction to Engineering and Science (MITES) This intense six-week program immerses students in life at MIT through math and science courses, a challenging hands-on elective course, workshops, guest speakers, and social events. MIT Online Science, Technology, and Engineering Community (MOSTEC) runs from July through December, students in this online program discuss research, receive admissions and financial aid advice, and attend webinars. They also complete online science and engineering projects that they present during a five-day conference on MIT's campus. Learn more about MOSTEC. By submitting just one application, you are automatically considered for one of the national programs. You cannot choose to apply to one particular program. **It's FREE!** Program costs are generously covered by our funders. Students only pay for transportation to and from MIT. **Applications due February 1, 2021** Visit <http://summerapp.mit.edu/> to create your account and apply. For more information about MOSTEC visit: <https://oeop.mit.edu/programs/mostec>

California State Summer School for Mathematics and Science (COSMOS)

Program dates: July 6 - July 31, 2021

Cosmos is an intensive four-week summer residential program for students who have demonstrated an aptitude for academic and professional careers in science, technology, engineering and mathematics (STEM) subjects. Talented and motivated students completing grades 8-12 have the opportunity to work with renowned faculty, researchers and scientists in state-of-the-art facilities, while exploring advanced STEM topics far beyond the courses usually offered in California high schools. Through challenging curricula that are both hands-on and lab intensive, COSMOS fosters its students' interests, skills, and awareness of educational and career options in STEM fields.

Students apply to one of the four University of California's COSMOS campuses — UC Davis, UC Irvine, UC San Diego and UC Santa Cruz. While each campus employs the best practices in STEM education, the curriculum of each program builds on the unique teaching and research expertise of its faculty and host campus. Each campus can only accommodate about 160-200 participants, so selection is competitive. A typical COSMOS student has a GPA of 3.5 or above. Students must have achieved academic excellence. Application: \$30 (non-refundable) Program Deposit Fee: \$200 (non-refundable) In-state Tuition: \$4,128 **Financial Aid is available. Application opens January 6th, 2021 and is due February 5, 2021** Visit cosmos.ucsc.edu Or email: cosmos@ucsc.edu Phone: (831) 459-1766

Stanford AI4ALL

Program Dates: JUNE 28th - JULY 16th (Summer 2021 Online)

This program is aimed for 9th grade female students who are interested in Artificial Intelligence. The weekly schedule consists of days split between lectures and demonstrations in the morning, and time to work on a hands-on AI research project. Students will participate in lectures from Stanford faculty and graduate students, followed by teaching and demonstrations. During the presentations, participants engage with the day's lecturer and ask questions about their work and involvement in AI. Participants will work on research projects that will be presented at the end of the third week. Participants work closely with Stanford graduate students, who serve as research instructors, to apply the machine learning techniques they learn to real problems and datasets and to get hands-on experience with how using AI tools can help make the world a better place. Tuition for Stanford AI4ALL Online 2021 is \$1,750. Financial aid is available. Deadline is **Application Deadline: March 29th,**

11:59 pm

Princeton Summer Journalism Program (PSJP)

Program Dates: Mid-June through early-August (Summer 2021 Online)

A free journalism and college preparatory program for current high school juniors from low-income backgrounds who are interested in careers in journalism. During the intensive 10-day summer program, students engage in workshops, lectures, and activities led by Princeton professors, professional journalists, and PSJP alumni. The program culminates in the publication of the student-produced *Princeton Summer Journal*. The first part of the application along with an unofficial transcript is due on Friday, **February 22, 2021**

UC Santa Barbara: Research Mentorship Program (RMP)

Program Dates: June 20 - July 30, 2021 ONLINE

The Research Mentorship Program is a competitive, six-week summer program that engages qualified, high-achieving high school students from all over the world in interdisciplinary, hands-on, university-level research. Students will be paired up with a mentor (graduate student, postdoc, or faculty) and choose a research project from a large list of disciplines offered by the program each year. Applications for the 2021 program are now open through **MARCH 15, 2021**. Admission decisions are made on a rolling basis.

Program Fees: \$75 Application Fee (non-refundable), \$4,500 Tuition & Program Fees.

A limited number of full and partial scholarships are available and are awarded based on financial need, academic merit, and availability.

For more information: <https://www.summer.ucsb.edu/pre-college/research-mentorship-program-rmp>

UC Davis Young Scholars

Program dates: June 21 - July 31, 2021 REMOTE TENTATIVE DATES

The UC Davis Young Scholars Program is a summer residential research program designed to expose approximately 40 high achieving high school students to the world of original research in the natural sciences with emphasis on the biological, environmental and agricultural sciences. To be eligible for the summer of 2019, students must be currently enrolled as sophomores or juniors in high school. Participants in the 2019 UC Davis Young Scholars Program will work one-on-one with research faculty and research groups in state of the art laboratories for six weeks. Each student will work on an individual project and prepare a journal quality paper and symposium presentation about their work. In addition to scientific research, the UC Davis Young Scholars Program strives to introduce participants to the climate and culture of living and working on a university campus. Staff make every effort to model the experiences that participants will have during their first years of college. Open to all students regardless of citizenship or location. Application fee: \$25 The UC Davis Young Scholars Program is a fee-based enrichment program sponsored and supported by the UC Davis School of Education. **Significant fee reductions**, based on need, are available to ensure that all qualified, accepted, students have an opportunity to attend. The program fee covers room and board for six weeks, field trips, program activities, and five (5) units of university Group Study credit. The anticipated cost for the 2019 summer program is \$6500 plus a fully refundable, \$200 security deposit. Applications **due March 15, 2021**. Students will be able to create their user accounts when the application period opens. To apply visit <https://ysp.ucdavis.edu/>

The Summer Leadership and Character Development Academy

Program Dates: July 2021

The Summer Leadership and Character Development Academy is a FREE week long summer camp for high school sophomores and juniors (class of 2020 or 2021) that introduces selectees to the Marine Corps mission, core values, military culture and leadership principles. Students are selected from a variety of backgrounds and offered the opportunity to attend the week-long Academy held aboard Marine Corps Base, Quantico, VA. Over the course of the week, you will be challenged to step outside of your comfort zone and to strengthen your confidence and leadership skills. Students will be exposed to the teachings and lessons of many Marine Corps leaders and be surrounded by a diverse range of students. Applications are **due early 2021**. For more information: <https://slcda.marines.com/>

UC Santa Barbara: Science & Engineering Research Academy (SERA)

Program Dates: June 27 - July 23, 2021 ONLINE

The Science & Engineering Research Academy is a dynamic, 4-week residential and commuter summer program that introduces qualified high school students to the research enterprise through project-based, directed research in STEM-related fields. Students will take a 4-unit university course where they choose and develop a research topic specific to the track they select, under the direction of an instructor who is conducting active research in that field.

2019 Program Fees: \$75 Application Fee (non-refundable), \$2,100 Commuter Student Tuition, \$7,699

Residential Student Tuition. A limited number of full and partial scholarships are available and are awarded based on financial need, academic merit, and availability. Applications for the 2021 program are now open through **April 15, 2021**. Admission decisions are made on a rolling basis.

Summer Session for High School Students at Duke

1. **Summer College – Summer 2021 UPDATES AVAILABLE MAY 1ST** A four-week, credit-bearing program for students currently in 10th– 12th grade in which they take undergraduate-level courses. This 4-week credit-bearing program offered by Duke University attracts students who represent the next generation of leaders from around the world. Immerse yourself in international college experience by enrolling in this elite program designed to provide high school students with an academic and residential environment conducive to collegiate success. **Program fee \$9,545**

2. **Summer Academy – Summer 2021 UPDATES AVAILABLE MAY 1ST** A three-week program for students currently in 9th – 12th grade in which they take a certificate course. **Program Fee \$6,745**

3. **Accelerated STEM Academy** – A one-week, STEM-based program for students currently in 9th – 12th grade that consists of a variety of hands-on labs, tours of Duke's research facilities, faculty lectures, and workshops.

Please look online for 4 different dates \$2,365 **UPDATES AVAILABLE MAY 1ST**

<https://summersession.duke.edu/high-school-students>

Game Experience

Program Dates:

Discover the process of creating games in two gaming hubs, Seattle or LA. Learn from veteran developers and work on collaborative teams. Take charge of your role either as a designer, coder, artist or project manager while creating your own game. Programs available:

Startup Externship (Available dates from March 15th - July 30th, 2021)

- Spring Break: March 15th - 19th, April 5th - 9th
- Summer Break: June 21st - 25th, July 26th - 30th

Cybersecurity Externship (Available dates from February 15th - July 30th, 2021)

- Winter Break: February 15th - 19th
- Spring Break: March 8th - 12th, March 15th - 19th, March 29th - April 2nd, April 5th - 9th
- Summer Break: June 14th - 18th, June 21st - 25th, June 28th - July 2nd, July 12th - 16th, July 26th - 30th

GameDev Externship (Available dates from March 8th - July 30th, 2021)

- Spring Break: March 8th - 12th, March 15th - 19th, March 29th - April 2nd, April 5th - April 9th
- Summer Break: June 14th - 18th, June 21st - 25th, June 28th - July 2nd, July 12th - July 16th, July 26th - July 30th

Tech Fundamentals (Available dates from February 15th - July 30th)

- Winter Break: February 15th - 19th,
- Spring Break: March 8th - 12th, March 15th - 19th, March 29th - April 2nd, April 5th - April 9th
- Summer Break: June 14th - 18th, June 21st - June 25th, June 28th - July 2nd, July 12th - July 16th, July 26th - July 30th

Live & Online Programs - \$399 per person

In-person Programs - \$1,099 per person

Overnight Program - \$2,099

Scholarships are available. **TBD**

<https://www.experience.education/externships/>

Project Fashion

Program Dates: July 11 - July 24, 2021

Program at University of Southern California, LA for high school students aged 12-19 interested in fashion. Design & Product Development program introduces students to a wide variety of careers in the fashion industry. It goes beyond just the craft of designing, but also into the business of making a living in fashion. Tuition for Day Program: 2,199. Tuition for overnight program: 4,600. Scholarships are available. **Application deadline:**

JUNE 1, 2021

<https://fashion.experienceamerica.com/>

MPC TRIO Math-Science Upward Bound (Summer)

Our 2021 Virtual Summer Program will run from Monday, June 14 - Friday, July 23, 2021.

MPC TRIO MSUB 2021 Virtual Summer Program Application: <https://forms.gle/LetqgDq2Pt1f2Zsa7>

As a friendly reminder, MPC TRIO Math-Science Upward Bound is a federal grant funded program designed to serve first-generation and/or low-income high school students from our target schools who are interested in pursuing higher education. Our program provides **free** services such as our summer academic program, academic counseling, tutoring, college visits, college and financial aid application assistance, major and college exploration and more!

We are recruiting **current 9-11th grade students**. This summer, students will be taking an online academic course in which they will receive credit for along with participating in community building workshops and STEM workshops. Upon completion of the program, they will be eligible to receive a stipend.

If you know a student that is interested in STEM, going to college, or would like to join a program for additional support and would benefit from our services - please refer them to our application! We look forward to reviewing your students' applications and getting to know them. I greatly appreciate your support and efforts to promote this opportunity for students.

The completed application must be completed by **Friday, March 5th at 11pm**.

Stanford Pre-Collegiate Summer Institutes

Current Grades 8-11

Students in this two-week program engage in advanced topics not commonly taught in high school. Choose from 30 online courses, including offerings in computer science, philosophy, business, and a wide range of other subjects. [Learn More](#).

Stanford Summer Humanities Institute

Current Grades 10-11

In this two-week program, students explore the big questions at the heart of the humanities in online seminars led by Stanford professors and graduate students. [Learn More](#).

Stanford Medical Youth Science Program (SMYSP)

Current Grade 11

In this five-week, tuition-free program, students explore the field of medicine and health science. Open to students in select Northern and Central California counties. [Learn More](#).

Stanford University Mathematics Camp (SUMaC)

Current Grades 10-11

This three-week program brings together a select group of mathematically talented rising high school juniors and seniors from around the world for intensive study in advanced mathematics. [Learn More.](#)

To be considered for admission to one of our summer 2021 online programs, please **submit your application by Wednesday, March 10 at 11:59 pm Pacific Time.** If you have any questions about our programs or the application process, please contact us at precollegiate@stanford.edu.

Penn Summer High School Programs

Penn delivers the challenge of an Ivy League curriculum to academically talented high school students seeking a pre-collegiate experience. Students engage with leading faculty and build intellectual connections within accelerated two-, three-, or six-week Penn Summer High School Programs.

To keep our students safe as the COVID-19 pandemic continues, Penn Arts and Sciences staff is dedicated to making our high-quality programs available this summer—*completely online*

Applications for Penn Summer High School Programs are now open. [APPLY HERE](#)

Penn Summer Prep Program

The two-week program offers non-credit, immersive study in disciplines across the sciences, arts, and humanities. Students choose two modules to focus their studies and benefit from the University's rich educational resources.

- [Session A: July 6 - July 16, 2021](#)
- [Session B: July 20 - July 30, 2021](#)
- [Session C: August 3 - August 13, 2021](#)

Penn Summer Academies

For three intensive weeks, these non-credit academies encourage students to dive deep into exploratory research in a specific subject area, including American Sign Language, biomedical research, chemistry, experimental physics, intercultural communication, mathematics, neuroscience, and social justice.

- **July 1 - July 23, 2021**

Penn Summer Coding Camp

For three weeks, this non-credit online program formally introduces students to the knowledge, skills, and abilities needed to explore the field of computer programming.

- **Session 1: June 14 - July 2, 2021**
- **Session 2: July 19 - August 6, 2021**

Penn Summer Data Analytics Camp

For three weeks, this online non-credit online program formally introduces students to Tableau and Python and reviews the knowledge, skills, and abilities needed to explore the field of data analysis and visualization.

- **Session 1: June 14 - July 2, 2021**
- **Session 2: July 19 - August 6, 2021**

Pre-College Program

The Pre-College Program offers undergraduate courses in a wide array of disciplines taught by Penn faculty, staff, and visiting scholars. Academic advising, access to University learning resources, and college admission workshops are also provided.

- **July 1 - August 6, 2021**

Pre-College Program

Philadelphia-area high school students can enroll in six-week, for-credit courses alongside Penn undergraduates, offering a challenging liberal arts university experience as well as college credit.

- **Session I: May 24 - June 30, 2021**
- **Session II: July 1 - August 6, 2021**

