

Summer Opportunities 2017

Science Programs

Boston University High School Honors Program

College courses or research with a faculty supervisor. 6-week program, students must be entering 12th grade.

Carnegie Mellon Summer Academy for Mathematics and Science

Special courses and hands-on projects. 6-week program, students must be at least 15 years old.

Clark Scholars Program

7-week **paid** research program at Texas Tech. Lots of alumni have gone on to win Siemens and Intel STS awards. Current 11th- and 12th-graders only.

Earthwatch IGNITE

Research expeditions where students conduct field work in environmental science. **Free.**

Girls on Ice

Two weeks doing glaciology research on an alpine glacier. **Girls only.** Admission preference given to people with few prior opportunities for field work or educational enrichment. **Free.**

Harvard Secondary School Program (SSP)

College courses at Harvard. 4- or 8-week program, students must be entering 11th or 12th grades or college.

MIT's MITES Minority Introduction to Engineering and Science Program

6-week program, **free.** Students must be minorities, preference given to lower income applicants.

MIT Women's Technology Program (WTP)

Special courses in electrical, computer, or mechanical engineering. 4-week program, **girls only.**

National Youth Science Camp

Special courses and seminars. Students who have just graduated from 12th grade

only, **free**. 2 students are nominated from each state, so it's rough to be from California.

Perimeter Institute ISSYP

Very prestigious two-week theoretical physics program. **Free** except for transportation costs. Students must be at least 17 years old by the program's beginning.

Research Science Institute (RSI)

Research program sponsored by Caltech and MIT. 6-week program. Extremely prestigious, very selective, **free**.

Smith College Summer Science & Engineering Program

Special classes at Smith College. 4-week program, **girls only** entering the 9th-12th grades.

SSP – Summer Science Program

Special science courses at one of two camps, affiliated with both Caltech and MIT. 6-week program, students must be entering 11th or 12th (12th preferred) grades. Well-established (since 1959) and prestigious program, alumni include several Nobel laureates.

Stanford Institutes of Medicine Summer Research Program (SIMR)

8-week program in which students conduct biomedical research under an individual faculty supervisor. Students must be entering the 12th grade or have just graduated high school. **Free (you are paid a small stipend, but must cover your own room/board)**.

UC Berkeley Summer Focus

One college course and two special courses. 6-week program, students must be entering 11th or 12th grades.

UCLA High School Summer Research Program (HSSEAS)

Conduct original engineering research in an 8-week program under faculty members at UCLA. **This is better than free – you are paid a stipend.**

UCSB Summer Pre-College Programs

UCSB runs both the Early Start Program, in which high school students can take college courses, and the Research Mentorship Program, in which they work in a

research laboratory. Both are six-week programs. Students must be entering 11th or 12th grade or graduating.

University of Pennsylvania Summer Programs for High School Students

College courses or special programs at U. Penn – there are several options (not all in science).

University of Pennsylvania Engineering – Summer Academy in Applied Science and Technology (SAAST)

Lecture and lab experience in biotechnology, computer graphics, computer science, nanotechnology, or robotics. 3-week program, students must be entering 10th, 11th, or 12th grades.

USC/Chevron Frontiers of Energy Resources

Course focusing on energy sources and engineering applications. Students must be entering the 12th grade. **Free.**

USC Young Researchers Program

Students conduct independent research under the supervision of USC professors. 6-week program, students must be entering the 12th grade. **Free.**

Woods Hole Oceanography Programs

Two separate oceanography programs, one based out of Woods Hole in MA and another based out of Southern California. 3 weeks, **half of which is spent at sea.** Students must be entering 11th or 12th grades or college.

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Leadership, Arts, Humanities

[Yale Global Scholars](#)

[Wharton Leadership in the Business World](#)

[Wharton Leadership Education and Development](#)

[Iowa Young Writers' Studio](#) - selective creative writing program

[Interlochen Arts Camp](#) - prestigious/selective for music, less so for other arts but still high-quality programs. Lots of financial aid available.

[Georgetown Summer Program](#) is well-connected for subjects relating to politics and international relations

More Free / Inexpensive / Paying Programs

Many of these are highly selective

[U of Notre Dame Leadership Seminars](#)

[Bank of America Student Leaders](#) - paid internships with local non-profits + 1 week leadership summit in DC

[National Security Language Initiative for Youth](#) - scholarships to study languages abroad

American Legion Auxiliary's [Girls State](#) and [Girls Nation](#)

[MIT Lincoln Lab Intro for Student Engineers \(LLRISE\)](#)

[CDC Disease Detective Camp](#) - free day camp in Atlanta

[Telluride Association Summer Program \(TASP\)](#) for juniors

[Telluride Association Sophomore Seminar \(TASS\)](#) for sophomores

[US Naval Academy STEM Summer](#) (rising 9th-11th graders)

[US Naval Academy Summer Seminar](#)

[US Naval Academy Girls Tech Camp](#)

[Student Conservation Association National Crew](#) (community service)

[FBI Future Agents in Training](#) - daytime in DC

Lists of More Summer Programs

[Davidson Institute List by topics](#)

[List of Math Camps](#)