

Summer Science Opportunities-Internships, Programs & Camps 2017-2018

This is a listing of summer science opportunities for students interested in gaining work experience, extending their lab skills &/or going deeper into science!!! This list is provided for informational purposes only, & does not imply endorsement or recommendation by Stanford's Office of Science Outreach.

Internships (Paid & Unpaid)

You will find Stanford-sponsored internship programs for HS students online [here](#).

Program	Brief Description/Eligibility Requirements
Arthritis Foundation Summer Science Internship	<ul style="list-style-type: none"> • 8-week internship for juniors & seniors in Northern California • \$1,500 stipend • Must be US citizen or permanent resident & at least 17 years old • Internships at UCSF & Stanford
KP Launch Program	<ul style="list-style-type: none"> • Kaiser Permanente in Oakland & other Bay Area locations • 8 weeks, full time • Program targets underserved HS students
Metropolitan Transportation Commission Internship Program	<ul style="list-style-type: none"> • Introduces HS students to career opportunities in the field of transportation via internships with MTC's transportation partners (such as traffic engineers at city & county public works departments or planners at transit agencies) • Must be 16 years of age by mid-June, have completed 10th grade, & live in the county in which project is located
NASA Internships for HS Students	<ul style="list-style-type: none"> • Paid summer internships for HS students in a variety of disciplines from engineering & science to technology, business, & finance • Must be US citizen & at least 16 years old
Research Science Institute @ MIT	<ul style="list-style-type: none"> • 6-week residential program for US & international HS students who are rising seniors • No cost to participate but very competitive. • Includes: Research Internships, Extracurricular Activities & Lecture Series
Science & Engineering Apprenticeship Program (SEAP)	<ul style="list-style-type: none"> • 8-week internship at a Department of Navy lab • Participating labs all over the country • Must be 16 • \$3,300 stipend but no travel/relocation allowance provided
Science Internship Program @ UCSC	<ul style="list-style-type: none"> • 8-week research experience in a UCSC lab • Housing provided (for fee) or students commute from home • Must be 14 years old (16 for some projects) • Cost to participate
Careers in Science Intern Program @ Cal Academy	<ul style="list-style-type: none"> • For 9th - 12th graders • Internship takes place at the California Academy of Sciences • Afterschool and weekends • Multi-year, year-round participation
Summer Science Intensive (I-CLEM)	<ul style="list-style-type: none"> • 8-week paid summer internship program • For low income East Bay sophomores & juniors who are 16 years old & interested in learning about biotechnology • Interns receive a stipend • Placements are in Emeryville at Joint BioEnergy Institute

Teen Environmental Education Mentorship (TEEM)	<ul style="list-style-type: none"> • An environmental education internship & leadership program for San Francisco/Marin HS students • Gain first-hand knowledge about the field of environmental education through field trips, one-on-one mentorships & by leading interactive activities with elementary students
UC Davis-Young Scholars Program	<ul style="list-style-type: none"> • 6-week summer residential internship program • Focus on biological, environmental & agricultural sciences • Must be rising junior or senior • Tuition \$6,500
UCSF Summer Internship	<ul style="list-style-type: none"> • Two programs offered for San Francisco public HS sophomores & juniors who are nominated by a science teacher at their schools: • HS Intern Program (for current juniors) – students work with a mentor in a lab at one of the UCSF campuses in a paid summer internship immersed in laboratory-based biomedical research • San Francisco Health Investigators (for current sophomores) – students engage in a public health research project to investigate issues important to the health of their communities & develop targeted messaging campaigns addressing these issues. The project begins in the summer & continues into the following school year

Academies (long-term programs)

Program	Brief Description/Eligibility Requirements
Exploratorium Explainers Program	<ul style="list-style-type: none"> • Students engage with visitors, perform demos, & participate in museum operations in the afternoons, on weekends, & during the summer • Must be at least 15 years old • Work for pay June-September
SMASH-Summer Math & Science Honors Academy	<ul style="list-style-type: none"> • 3-year program starting with current 9th graders, including 5-week residential component at Berkeley, Stanford, UCLA, UC Davis or Morehouse • Reside in SF Bay Area • Self-identify as: Latino/Hispanic, African American, Native American, Pacific Islander or underrepresented Asian
Teen Advocates for Science Communication	<ul style="list-style-type: none"> • Youth (8th-12th grade) volunteers in the TASC Force at California Academy of Science • Design & present youth-created educational programs to the public • Weekends during school year; summer program also
Upward Bound Math & Science Program, UC Berkeley	<ul style="list-style-type: none"> • Free program that supports HS students in their preparation for college entrance • Targets students from low-income families who are the first in their families to go to college. • School year & summer activities, including 6-week residential component

Science Summer Schools, Camps & Workshops

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Please send corrections & additions to mbruhis@stanford.edu

You will find Stanford-sponsored [summer school](#) programs, [seminars & workshops](#) for HS students on the Office of Science Outreach website. Follow the links for more information about each offering.

Program	Brief Description/Eligibility Requirements
DEEP Summer Academy @ University of Toronto	<ul style="list-style-type: none"> • For HS students around the world interested in engineering • 1-4 weeks in July • Students pay \$500 to \$2000 Tuition depending on whether they live on campus.
Education Unlimited Computer Camp	<ul style="list-style-type: none"> • For tech-savvy students who love programming, gaming & web design • Instruction in creative & practical computer skills • Workshops at Stanford & Berkeley
EMBARC Summer Design Academy	<ul style="list-style-type: none"> • 4-week design academy for HS students held at the College of Environmental Design (CED) at UC Berkeley • Focus on architecture, urban design & city planning
Golden Gate National Parks Conservancy Leadership Programs	<ul style="list-style-type: none"> • Various programs focused on leadership, habitat restoration, summer camp counselors, & trail building
Johns Hopkins University Engineering Innovation Program	<ul style="list-style-type: none"> • Students learn engineering basics, conduct experiments, take part in design challenges, & meet with research engineers • Programs are held at multiple locations in CA & East Coast • \$2,700 tuition plus residential fee
Microsoft's DigiGirlz High Tech Camp	<ul style="list-style-type: none"> • Microsoft hosts 2-day camp for girls • Many locations around the country • Tuition is free but participants are responsible for transportation & lodging
MIT Women's Technology Program	<ul style="list-style-type: none"> • 4-week summer academic & residential experience for girls • Focus on EE/CS or Mechanical Engineering • Hands-on classes, labs & team-based projects • For rising seniors • Fee of \$3,500, some financial aid available
Research Apprenticeships in Biology @ Cornell	<ul style="list-style-type: none"> • Summer residential program • Rising juniors, seniors or first year undergraduates • Tuition & room/board
Smith College (MA) Summer Science & Engineering Program for HS Girls	<ul style="list-style-type: none"> • Girls grades 9-12 • 4-week summer residential program • Charges tuition & room/board
Summer Engineering Seminars @ Santa Clara University	<ul style="list-style-type: none"> • 1-week summer residential program • For rising juniors or seniors • No cost to participate; targets underserved students
Summer Focus at UC Berkeley	<ul style="list-style-type: none"> • A 4 or 6-week program in partnership with Education Unlimited • Students take one UC Berkeley course plus 2 enrichment courses • Tuition & room & board charged
Summer Institutes for the Gifted	<ul style="list-style-type: none"> • 3-week summer residential sessions • For students ages 9-17 • Located at prestigious college campuses nationwide • Commuter option available at most locations • Tuition & room/board charged
Summer Marine Lab Experience for HS Students @ USC	<ul style="list-style-type: none"> • One week program for HS students at Catalina Island to explore the Earth's ocean • Entering 9th, 10th or 11th grade • Must be US Citizen or have resident status • Underrepresented & first-generation students encouraged to apply

UC Berkeley Academic Talent Development Program (ATDP)	<ul style="list-style-type: none"> • Summer classes in Berkeley for highly motivated students in grades 8-12 • Courses include computer science, natural science & other • Fee to enroll
UC COSMOS: Summer Math & Science Programs	<ul style="list-style-type: none"> • Summer residential program at UC Davis, UC Irvine, UC San Diego & UC Santa Cruz • Each campus has different focus area • \$3,545 in-state tuition, including room/board, more for out-of-state students

Other Databases

You will find lists of other opportunities focused on science & engineering for HS students here:

- [Pathways to Science](#) (Searchable database of opportunities)
- [You STEM](#) (Local, mostly free opportunities in Bay Area)
- [RIT Co-op/Internships & Summer Research Opportunities](#) (Summer research opportunities throughout U.S.)
- [The Connector](#) (Searchable database of opportunities)