Summer and School Year
Enrichment
Opportunities
Guide

A Guide from the College Counseling Office at the Berkeley Carroll School

Please note: Programs listed on the following pages represent a small sampling of opportunities available and were compiled based upon outside recommendations, including BC students and parents, professional colleagues and students and families from other high schools. We welcome feedback on any of the programs with which you have first-hand experiences and would be happy to include other programs you might recommend.
Dear Students,

This list of programs and opportunities has been compiled to help make you and your family aware of some of the many summer and school year enrichment opportunities available to you.

Even though Berkeley Carroll students have attended many of the programs in the past, it’s impossible for us to assess the relative quality of each and every program.

Therefore we strongly encourage you to do thorough research and ask lots of questions to determine if a program is right for you.

And be sure to let us know of programs you’ve discovered and enjoyed!

Best Wishes,
The College Counseling Office

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Why Do a Summer Program?

Nine months of school may seem like plenty of time to spend in classrooms, preparing for and taking exams, writing papers and reports, answering to teachers, coaches, tutors, etc.

Often the summer is the light at the end of a long tunnel, a time to spend resting and relaxing before the next year begins; but there really are some great ways to make your summer fun, relaxing, and restful while also being an opportunity to learn, experience, and prepare for life after high school.

Many students choose to obtain a part time job or internship in the summer. These are excellent ways to learn the value of work experience. And, they may be a great way to determine some things about careers that might be right for you (or not). There are great lessons to learn in being a sales associate, busser, hostess, counselor (or CIT), cashier, sitter, etc. But there may be more to explore.

Athletes may choose to pursue a sports camp or volunteer to coach their sport. Other students may have a tradition of going to a summer home, spending time with family locally, or traveling to visit relatives. There may be a service or community-based organization to which you have committed your summer hours. All of these are great ways to spend the summer holidays, in addition to charging your batteries for the following September.

Look for an opportunity to develop your interests or even explore something brand new. Take an art class, travel abroad, volunteer locally or join (or lead) a cause that’s important to you.

Most importantly, it’s the depth of the experience you have and how it inspires you to take action and learn more that’s important, not the credit you earn or the entry you create on a resume.

And, remember, scholarships are available for many of these programs.

“Will this summer program help me get into the college of my choice?”

Pre-college programs at colleges offer many benefits to high school students including the chance to live in a dorm room away from home, meet new friends from all over the country or world, and explore an area of academic interest. One thing that they usually do not offer is an “in” at that college’s admission office.

(excerpted from www.summerprogramfinder.com/will-a-summer-program-help-me-get-into-college/)
Summer Program Search Websites/Program Lists

**Summer Program Finder** (for pre-college programs or camps)
http://summerprogramfinder.com/

**College Express** (a college and scholarship search site with a long summer program listing)
http://www.collegexpress.com/articles-and-advice/summer-programs/

**Education Unlimited** (academic and artistic summer camps)
https://educationunlimited.com/

**Idealist.org** (a great resource for adult and student volunteer opportunities, locally, across the US, and internationally) http://www.idealist.org/

**Summer Architecture Programs** (list compiled by the American Institute of Architects)
https://www.aia.org/pages/18291-summer-architecture-education-programs-for-h

**Summer Programs in Marine Science** (list) http://www.marinecareers.net/summer

**American Mathematical Society** (list) http://www.ams.org/programs/students/emp-mathcamps

**Johns Hopkins CTY Imagine resource page** (check out the academic program and internship listings)
http://cty.jhu.edu/imagine/resources/

**Pathways to Science** (useful search tool for summer science programs),
http://www.pathwaystoscience.org/Programs.aspx

**MIT’s list of other K-12 STEM program summer opportunities**
https://oeop.mit.edu/resources/other-k-12-science-and-engineering-opportunities-across-country
Internship Programs for High School Students (NYC Locations)

Saltz Internship Program at the American Museum of Natural History
https://www.amnh.org/learn-teach/teens/saltz-internship-program
Preference given to students who participate in 2 courses in the after school program,
https://www.amnh.org/learn-teach/teens/after-school-program

Science Research Mentoring Program at the American Museum of Natural History
https://www.amnh.org/learn-teach/teens/science-research-mentoring-program
Applicants required to complete 2 courses in the after school program,
https://www.amnh.org/learn-teach/teens/after-school-program

New York Historical Society Student Internship Program
https://www.nyhistory.org/education/teen-programs/student-historian-program

Youth Conservation Corps: National Park Service
https://www.nps.gov/subjects/youthprograms/ycc.htm

Summer and School Year Internship Opportunities at the Metropolitan Museum of Art
https://www.metmuseum.org/about-the-met/internships/high-school

Manhattan District Attorney High School Internship Program
https://www.manhattanda.org/careers/internship-opportunities/high-school-internship/

Teen programs, internships, and apprenticeships at the Brooklyn Museum of Art
https://www.brooklynmuseum.org/education/teens

NY Aquarium: Discovery Guides, Interns, and Docent Opportunities
https://nyaquarium.com/teens

Wildlife Conservation Academy’s Career Lattice for Youth and Teens
https://www.wcs.org/education/youth

DOROT Teen Summer Internship Program: Work with the elderly
http://www.dorotusa.org/site/PageServer?pagename=vol_summer_teen_internships_both

Nonprofit ARTS internships at CityARTS
https://www.cityarts.org/internships

Environmentor Science Research Internship at Rockaway Initiative for Sustainability and Equity
https://www.rwalliance.org/rwa/programs/environmentor_program/

The Ranger Conservation Corps (RCC),
https://www.nycgovparks.org/programs/rangers/conservation-corps

The Bronx Westchester Area Health Education Center Summer Health Internship,
http://bwahec.org/summer-health-internship-program/
Local Free or Low Fee Programs

Though for some it may be a competitive process, note that nearly ALL of the programs listed in this guide have scholarships! Apply EARLY for best funding.

Cooper Union Outreach Program
http://cooper.edu/academics/outreach-and-pre-college/outreach
The Outreach Pre-College Art Program was created in 1992 as a full scholarship program to support New York City area high school students interested in pursuing a degree in art. The Outreach Program serves the needs of talented local high school students who would benefit most from a fully funded college level education. It helps students develop a portfolio worthy of art college admissions and scholarships.

The Rockefeller University Summer Science Research Program (SSRP)
http://www.rockefeller.edu/outreach/highschoolapp
The program is designed to offer intellectually curious, highly motivated high school students with a strong aptitude in the life or physical sciences a total-immersion experience in laboratory research. Students are matched to a lab according to their stated field of interest and are individually mentored by graduate students, postdoctoral fellows, or lab heads.

New Jersey Institute of Technology Experience STEM through Engineering Design (ESTEMED)
http://www5.njit.edu/precollege/experience-through-stem-through-engineering-design/
Intermediate Robotics program designed to expand the STEM experience through engineering design. Working in collaborative groups, students research a real-world problem that can be solved by a robot, and will follow the Engineering Design Cycle. FREE spring program for students in 9th/10th.

After School Program Exploratory and Science Research at the American Museum of Natural History
http://www.amnh.org/learn-teach/grades-9-12/after-school-program
Courses offered to NYC high school students interested in the sciences (anthropology, astrophysics, earth science, genetics, biodiversity). Each course makes use of the Museum’s resources through hall visits, lab and collections tours, talks and lectures by scientists, and hands-on activities. ASP offers multiple sessions throughout the school year--each is six weeks and courses meet once or twice a week.

NYC Ladders for Leaders, https://application.nycsyep.com/
An innovative program that offers 7-week summer internships with some dynamic businesses in New York City. Includes pre-employment training and workshops on work readiness, college orientation, health, and leadership. An initiative of the NYC Dept of Youth and Cmty Development (DYCD), supported by the NYC Center for Youth Employment and the Mayor’s Fund to Advance New York City.

Spring Future Filmmakers Workshop at NYU Tisch FREE (Spring Program)
https://tisch.nyu.edu/future-artist/programs/future-filmmakers
Intensive 14 week program with a focus on developing a personal vision/voice for those underrepresented in the film industry. Emphasis placed on personal storytelling and articulating oneself creatively through the technical elements of making a movie. Students provided with a DSLR, edit with Adobe Premiere, and produce, direct, edit, several short films between February and May.

Maysles Documentary Center: Teen Producers Academy FREE (Year-Round and Summer Programs)
https://www.maysles.org/teen-producers-academy
The Teen Producers Academy is a year-round after school and summer intensive film program where high school students work in small teams to make a short documentary. Perfect for youth who have a story to tell, and want to make moving/honest films about subjects important to their communities.

**Columbia Science Honors Program FREE (Year-Round)**
http://www.columbia.edu/cu/shp/apply.html
A highly selective program for students who have a strong interest in science and mathematics. Classes are held at Columbia on Saturday mornings throughout the academic year. Applicants must be in the eleventh, tenth, or ninth grade and must apply online. Deadline is end of February.

**GOALS for Girls at the Intrepid Museum FREE (Summer)**
https://intrepidmuseum.org/education/goals-for-girls
A free STEM program for girls in eighth or ninth grade who are New York City residents and attend a school in the five boroughs. Curriculum focuses on aerospace, earth science, and engineering. The program runs for six weeks. Participants encouraged to apply for Intrepid internship and will be invited to GOALS forums through the school year.

**Hofstra University's Summer Science Research Program,**
http://www.hofstra.edu/Academics/Colleges/HCLAS/SSE/index.html
Program offers opportunities in science research under the guidance of professionals in science and mathematics in an on campus research program. The program culminates in a science "poster session" in early Fall where students display the work they performed during the summer.

**Partners in Science or Pathways Program at the Liberty Science Center (NJ)**
https://lsc.org/education/for-teachers/partners-in-science
*Partners in Science* allows rising junior and senior students to investigate questions driving scientific discovery in professional lab settings. The program pairs students with mentors in science, health, and technical fields and challenges them to participate in ongoing research and independent projects. *Pathways* allows rising freshmen and sophomore students to conduct research and propose an addition to an existing guest experience with the inclusion of scientific research.

**New York Math Circle High School Summer Program**
https://www.nymathcircle.org/summer
An academically intensive weekday program for students entering grades 9–12 in the fall that runs for three weeks, five hours a day. A typical day consists of a class in the morning, followed by lunch, and a problem solving session in the afternoon. Instructors and teaching assistants are friendly and helpful, and the atmosphere is open and collaborative. Significant fee reductions available if cost is a hardship.
Pre-College Programs - Various Disciplines

Summer College for High School Students, Stanford University, [http://summercollege.stanford.edu/](http://summercollege.stanford.edu/)
Eight week residential intended for college preparation. For advanced students 16-19. All Stanford undergraduate courses for which the student has met the prerequisites are open to Summer College Students. Earn College credit and explore the sciences, humanities, arts, and languages.

University of Notre Dame Summer Experience, Indiana, [http://precollege.nd.edu/](http://precollege.nd.edu/)
As a Summer Scholar or a participant in the Notre Dame Leadership Seminars, you'll have access to the Grotto, the Golden Dome, the hallowed halls. If you go abroad with us to Rome or Ireland, you'll have access to the sweeping sights of the Eternal City or the rich history of the Emerald Isle.

Colorado College Summer Session, [https://www.coloradocollege.edu/offices/summersession/pre-college/index.html](https://www.coloradocollege.edu/offices/summersession/pre-college/index.html)
For rising juniors and seniors, perfect opportunity to try out the Block plan and join the CC community this summer. Enroll in one of our courses ranging from a geological field study of Pikes Peak, to feminist and critical media studies, cross-genre writing, and the arts (fiber arts, printmaking, film).

Northwestern College Program for Rising Seniors, [http://sps.northwestern.edu/program-areas/summer/high-school-programs/index.php](http://sps.northwestern.edu/program-areas/summer/high-school-programs/index.php)
Weekly Get Ready seminars help to explore college admission process and adjustment to college. Choose from hundreds of courses. Also check out National High School Institute (Cherubs) for Debate, Speech, Journalism, Film & Video, and Theater Arts or Medill-Northwestern Journalism Institute.

Tufts University Summer Programs, [https://ase.tufts.edu/summer/summer-study.asp](https://ase.tufts.edu/summer/summer-study.asp)
6 week program for college preparation, academic enrichment, and writing instruction. Choose from The Writing Program, Health Science Honors, Ethics and Global Citizenship, or tackle one of the nearly 40 undergraduate courses for credit in the College for Juniors (a broader selection of course choices from both the College of Arts and Sciences and the School of Engineering).

7 week residential summer program of college courses for credit for high school students. Each student takes 2 courses reflecting first year college work with final project or presentation. Also check out Pre-College, Leadership Institute, Environmental Leadership Labs, TheatreBridge.

Georgetown University High School Programs, [http://scs.georgetown.edu/departments/21/summer-programs-for-high-school-students/](http://scs.georgetown.edu/departments/21/summer-programs-for-high-school-students/)
Programs (1, 2, 4 weeks) in academic subjects as part of pre-college program, also three different opportunities to do programs specifically focused on the medical field, plus week-long institutes in Foreign Policy, Business and Law and Arts and Humanities.

Johns Hopkins University Pre-college Credit Programs, [http://pages.jh.edu/summer/precollege/index.html](http://pages.jh.edu/summer/precollege/index.html)
2 and 5 week terms: Summer University (with over 100 courses) and Discover Hopkins (short-term intensive programs). Or check out Engineering Innovation [http://engineering.jhu.edu/ei/](http://engineering.jhu.edu/ei/), a hands-on summer course for engineering offered at the JHU Homewood campus in Baltimore, MD and at other sites in Maryland, California, the District of Columbia, Ohio, Pennsylvania and Washington.
Cornell University Summer Honors Program and College, [https://www.sce.cornell.edu/sc/index.php](https://www.sce.cornell.edu/sc/index.php)

High School Summer Scholars Program, Washington U, [http://summerexperiences.wustl.edu/scholars](http://summerexperiences.wustl.edu/scholars)
5 or 8 week residential summer scholars program for academically talented rising seniors. Students earn up to 7 semester credits, choose from nearly 100 college courses. Cultural trips, cinematic film series, social activities. Also view 1-week Summer Institutes, [http://summerexperiences.wustl.edu/institutes](http://summerexperiences.wustl.edu/institutes)

Boston University Summer Programs, [http://www.bu.edu/summer](http://www.bu.edu/summer)
6 week Summer Honors Program or 2 week Challenge Program. Variety of options and requirements: residential, experiential, academic, for college credit or research experience, [http://www.bu.edu/summer/program_high_school_students/honors/research_internship/](http://www.bu.edu/summer/program_high_school_students/honors/research_internship/)

PROMYS program in Mathematics for young scientists, [http://math.bu.edu/people/promys/](http://math.bu.edu/people/promys/).

The Boston College Experience, [http://www.bc.edu/summer](http://www.bc.edu/summer)
6 week residential academic program. Introduces students to a campus environment and encourages personal exploration, growth and discovery. Carry two courses and earn college credit. Daytime activities in greater Boston area. Experience college life with roommates, scheduling, dining, etc.

Barnard Pre-College Programs, [https://barnard.edu/admission-aid/high-school-pre-college-programs/summer-programs](https://barnard.edu/admission-aid/high-school-pre-college-programs/summer-programs)
1 week and 4 week programs for women – choose from a variety of courses and explore New York City or pursue 1 week Young Women's Leadership Institute (leadership training) Live in NYC (in Morningside Heights, across the street from Columbia); gain access to museums, cultural events.

USC Summer Programs, [http://www.usc.edu/dept/admissions/programs/summer/](http://www.usc.edu/dept/admissions/programs/summer/)
USC offers a variety of 3-4 week summer seminars in science, fine arts, acting, debate, film, screenwriting, playwriting, engineering, psychology, physiology. Also, check out School of Architecture – 2 and 4 week programs for high school students, [http://arch.usc.edu/Programs/SummerPrograms](http://arch.usc.edu/Programs/SummerPrograms)

Gettysburg College Summer High School Programs, [https://www.gettysburg.edu/summercamps](https://www.gettysburg.edu/summercamps)
In addition to programs that specialize in writing, robotics, psychology, GC offers The High School Student Scholarship (FREE) Program, a component of Gettysburg College’s annual Civil War Institute summer conference. This program provides high school students an opportunity to explore the history of the Civil War era on the site of the war’s most decisive battle. Participants will join conference sessions, interact with noted historians, and participate in programming geared toward high school students, including a historical simulation activity revolving around the 1863 New York City Draft Riots.

Davidson July Experience, [https://www.davidson.edu/offices/july-experience/](https://www.davidson.edu/offices/july-experience/)
A rigorous three-week college immersion program for rising high school juniors and seniors who are highly motivated, collaborative, and self-disciplined. Take two liberal arts courses taught by full-time Davidson faculty, live in residence halls with other students, and participate in information sessions about admissions to prepare for college academically and socially, and expand your worldview.
Organizations that sponsor summer programs on a variety of campuses

3-5 week residential programs for grades 9-12. Pre-college programs in Oxford, Tufts, UC Berkeley or Cultural Language Immersion/Travel programs in France, Spain or Business and Social Entrepreneurship in Barcelona, Boston or Georgetown. A variety of programs is available.

Summer Discovery at UCLA, UC Santa Barbara, CU-Boulder, U Texas Austin, U Michigan, Penn State, Georgetown U, Johns Hopkins, UPenn, Pace NYC, Emerson Boston, Cambridge U & London, [http://www.summerdiscovery.com/](http://www.summerdiscovery.com/) 2-6 week residential programs focused on pre-college enrichment. Academic courses, sports, arts, trips, and outdoors adventures as well as writing workshops, study skills, test preparation, community service. Programs have been in existence for over four decades.

The Cambridge Tradition, A Summer Program at Cambridge and the Oxford Tradition, A Summer program at Oxford University, [http://www.oxbridgeprograms.com](http://www.oxbridgeprograms.com)

Great Books Summer Program (various campuses) [http://www.greatbookssummer.com/](http://www.greatbookssummer.com/)

Additional Specialized Programs

- Interlochen (Music) [http://camp.interlochen.org/](http://camp.interlochen.org/)
- Boston U Tanglewood Institute (Music) [www.bu.edu/cfa/music/tanglewood/](http://www.bu.edu/cfa/music/tanglewood/)
- Boston U Summer Theatre Inst (Theatre) [http://www.bu.edu/cfa/busti/](http://www.bu.edu/cfa/busti/)
- Idyllwild Arts Summer Program (variety of Arts programs) [http://www.idyllwildarts.org/page.cfm?p=498](http://www.idyllwildarts.org/page.cfm?p=498)
- Northwestern University National High School Institute (Journalism (print or broadcast), Music, Debate, Speech, Film and Video Production, and Theatre Arts) [http://www.northwestern.edu/nhsi](http://www.northwestern.edu/nhsi)
- Skidmore Summer Accelerated Program in Art [https://www.skidmore.edu/summerstudioart/index.php](https://www.skidmore.edu/summerstudioart/index.php)
- The School of the Art Institute of Chicago Early College Program [http://www.saic.edu/cs/high_school/summerinstituteresidencyprogram/](http://www.saic.edu/cs/high_school/summerinstituteresidencyprogram/)
- Great Jewish Books Summer Program [https://www.yiddishbookcenter.org/educational-programs/great-jewish-books-summer-program](https://www.yiddishbookcenter.org/educational-programs/great-jewish-books-summer-program)
- Ox-bow Summer Art Program [http://www.ox-bow.org/summer-courses/](http://www.ox-bow.org/summer-courses/)
- Rhode Island School of Design Pre-College Program, [http://precollege.risd.edu/wp/](http://precollege.risd.edu/wp/)
NYU Tisch School of the Arts (film, dance, drama, recorded music)
http://tisch.nyu.edu/special-programs/high-school-programs

NY Film Academy Programs (film/acting) http://www.nyfa.com/index.php

Emerson College Summer Academy (Acting/ Theatre/Design, Animation, Journalism, TV, Film, Writing) http://www.emerson.edu/ce/programs/Summer-Programs.cfm

Iowa Young Writers Studio http://iowayoungwritersstudio.org/

Duke Writers Workshop http://www.learnmore.duke.edu/youth/creativewriter/

Lake Forest Writing and Thinking Workshop, http://www.lakeforest.edu/academics/summer/wtw/

Carleton Summer Writing Program http://apps.carleton.edu/campus/SAP/writing/

Rhodes College Summer Writing Institute http://www.rhodes.edu/academics/4422.asp

Sarah Lawrence Summer Writers Workshop
https://www.sarahlawrence.edu/pre-college/summer/writers-workshop/

Sewanee Young Writers Conference http://www5.sewanee.edu/ywc/

Kenyon Young Writers Program http://www.kenyonreview.org/workshops/ywinfo.php

Language Immersion Programs

Concordia Language Villages (MN), www.concordialanguagevillages.org
Join a community of learners in which opportunities to interact in a second language and experience other cultures at the Villages. The goal of immersion is to create an experience in language and culture that motivates participants to be life-long learners and responsible citizens in a global community

Middlebury Summer Language Academy (VT),
www.middleburyinteractive.com/summer-language-academy
The Academy is an enriching immersion language program for motivated students who want to accelerate their language skills, while enjoying a pre-college summer camp experience with other like-minded teens. Arabic, French, Italian, Mandarin, German, Spanish

The (NSLI-Y) program, sponsored by the U.S. Department of State, provides merit-based scholarships for eligible high school students and recent grads to learn less commonly taught languages in summer and school-year overseas immersion programs. Arabic, Mandarin, Hindi, Korean, Persian, Russian, Turkish

The Experiment in International Living, https://www.experiment.org/
The most experienced provider of summer abroad programs. Immersive cultural, language, service programs provide wasy to explore the world authentically through cultural experiences and homestays. They offer 30 programs in 25 countries and more than 50% of participants receive financial support.

SPI Study Abroad Language Immersion Programs, https://www.spiabroad.com/
Programs are designed to provide full cultural and language immersion for students by placing them in safe and easy-to-manage cities with caring homestays or fully-supported student residences. Options in Spain, France, Italy, Costa Rica.
Summer STEM or Research Programs

NIH Summer Internship in Biomedical Research [https://www.training.nih.gov/programs/sip](https://www.training.nih.gov/programs/sip)

Hampshire College Summer Studies in Mathematics (HCSSiM) [http://hcssim.org/](http://hcssim.org/)

Salt Summer Science Camp [https://www.rwalliance.org/rwa/programs/stem-science-camp/](https://www.rwalliance.org/rwa/programs/stem-science-camp/)

Program in Mathematics for Young Scientists (PROMYS) [http://www.promys.org/](http://www.promys.org/)

BlueStamp Engineering [https://bluestampengineering.com/](https://bluestampengineering.com/)

The Ross Program [http://u.osu.edu/rossmath/](http://u.osu.edu/rossmath/)

The Pre-Engineering Summer Academy at Rutgers University [http://summer.rutgers.edu/precollege-academies/preengineering](http://summer.rutgers.edu/precollege-academies/preengineering) is an intensive one-week program that will introduce participants to aerospace, biochemical, biomedical, chemical, civil, computer, electrical, environmental, forensic, industrial, material science, mechanical and systems engineering through an integrated program of lectures, demonstrations, hands-on projects, tours, and field trips.

Smith College Science & Engineering (for women), [http://www.smith.edu/summerprograms/ssep/](http://www.smith.edu/summerprograms/ssep/) 1 month program for young women interested in math and science. Participants choose two 2 week long research programs and learn how scientists and engineers formulate questions, work on some amazingly sophisticated scientific instruments, and develop valuable critical thinking and analytical skills.

MITES Engineering Program at MIT, [https://oeop.mit.edu/programs/mites](https://oeop.mit.edu/programs/mites) This intense six-week program immerses students from across the country in life at MIT. Students take academically rigorous math, science & humanities courses. Outside of the classroom, they participate in admissions counseling sessions, lab tours & social events. This program specifically targets seniors from backgrounds traditionally underrepresented in STEM.

Carnegie Mellon University SAMS: The Summer Academy for Mathematics + Science [http://www.cmu.edu/enrollment/summerprogramsfordiversity/sams.html](http://www.cmu.edu/enrollment/summerprogramsfordiversity/sams.html) Six-week program for students with a strong interest in math and science. Students entering junior or senior year and considering careers in STEM disciplines are eligible. In addition to classroom instruction, students learn hands-on engineering through application of concepts.

The Science and Engineering Apprenticeship Program (SEAP), [http://seap.asee.org/](http://seap.asee.org/) SEAP provides an opportunity for students to participate in research at a Department of Navy (DoN) laboratory during the summer. SEAP provided competitive research internships to over 290 high school students this year. Participating students spend eight weeks doing research at one of 24 laboratories.
Research at the Biological Field Station (BFS) at SUNY Oneonta
http://www.oneonta.edu/academics/biofld/internships.asp
Research teams and high school students focus on areas such as water quality monitoring, fisheries management, biological control studies and surveys. Internships last 9 weeks, 5 days/week. Weekly seminars are required, as is a digital poster and presentation synthesizing the student's research.

Rensselaer Polytechnic Institute PREFACE
https://info.rpi.edu/pre-college-initiatives/preface-rensselaer-summer-engineering-design-program
A 2-week summer program for talented students who have been historically under-served in the areas of science, engineering and the technological fields, and who express a strong, early interest in pursuing careers in these areas. Partial need-based scholarships are available.

Additional Highly Selective Advanced Science Research Opportunities

Garcia Research Scholar Program at SUNY Stonybrook
http://www.stonybrook.edu/commcms/garcia/about/info.html

High School Honors Science Math and Engineering Program at Michigan State
http://education.msu.edu/hshsp/

Clark Scholars Program at Texas Tech
http://www.depts.ttu.edu/honors/academicsandenrichment/affiliatedandhighschool/clarks/

Student Science Training Program at U Florida
https://www.cpet.ufl.edu/students/sstp/

Secondary Student Training Program at U Iowa
https://sstpuiowa.wordpress.com/

Stanford Institutes of Medicine Summer Research Program
http://simr.stanford.edu/

BU Rise Internship Program
http://www.bu.edu/summer/high-school-programs/research/
Travel and Adventure Programs

If you are looking for an individual, personal challenge instead of an academic program, some of the following might provide what you seek. Some focus on physical challenge - hiking, biking, camping, or rafting. Others are community service-based or may provide a cultural immersion experience.

American Field Service/
Int’l language/Culture
www.afsusa.org
Amigos (Volunteer)
www.amigosinternational.org/
Atlas Workshops (field research)
www.atlasworkshops.com
The Biking Expedition
www.bikingx.com
Broadreach Adventures
www.gobroadreach.com
(scuba/sailing/marine bio)
CIEE Global Navigator
www.ciee.org/high-school-summer-abroad
Earthwatch Institute
www.earthwatch.org
EF – Educational Tours
www.eftours.com
Experience Lita
www.experiencelita.com
Experiment in International
www.worldlearning.org
Living/ Summer Abroad - World Learning
Global Works
www.globalworkstravel.com
Go Beyond Travel
www.gobeyondtravel.com
Mountain Workshop
www.mountainworkshop.com
NOLS
www.nols.edu
National Outdoor Leadership Schools
Outward Bound
www.outwardbound.org
Overland Summers
www.overlandsummers.com
Putney Student Travel
www.goputney.com
Rustic Pathways
www.rusticpathways.com
Sustainable Summer
www.sustainablesummer.org
Visions
www.visionsserviceadventures.com
Where There Be Dragons
www.wheretherebedragons.com
Leadership Development Summer Programs

The program is for 20 rising high school juniors and seniors from across the country. Intentionally small to build a tight-knit community and enhance collaboration. Students visit think tanks, NGOs, and government offices, meet with local experts, and enhance their public speaking, debate skills.

JSA Summer School, http://summer.jsa.org/
Programs at Stanford, Georgetown and Princeton or Diplomat Program in China. Courses offered in government and politics, speech and communication, speakers program, and debate Introduction to democratic government, leadership, policy making. Speakers Program. Cultural and historical trips.

Baruch College Leadership Academy, https://www.baruch.cuny.edu/academy/about.html
Intensive workshops and lectures from university professors and accomplished professionals in addition to field trips throughout New York City connecting theories to practice in professional settings. Topics include: Entrepreneurship, Global Finance and Economics, Financial Engineering & Applied Math.

A global community network connecting individuals of various socioeconomic backgrounds. Using service as the mechanism, they use dialogue, focus groups, team building, and shared experiences, to help students identify their relative advantages and influence positive effects on their local and global communities. Programs in Botswana and Haiti.

HMI Summer Term, http://www.hminet.org/summer-term/about
Participants explore sense of place, leadership, and environmental ethics. On two backcountry expeditions, learn wilderness travel skills and use the mountains as an extended classroom. Small, residential community.

Women’s Leadership Programs

Art + Activism = Artivism Program that brings together young women from around the country/world to learn about identity. Conversations bring together core skills: emotional intelligence, internal voice, navigating conflict, and self-expression with social justice awareness.

Residential program for female high school students, who are college bound rising juniors, rising seniors or graduating seniors seeking an early college experience. Choose from English, science, or math courses. (Spelman is an Historically Black College.)

Barnard Young Women’s Leadership Institute, https://barnard.edu/precollege/summer-in-the-city/programs/ywli Program takes the complex relationship between gender and leadership as its focus. Students develop action-oriented leadership plans during the session. The foundation of the institute will focus on gender issues, social change, and leadership in the form of a morning class, afternoons of workshops, and discussions.
Sadie Nash Leadership Program [http://www.sadienash.org/apply_summer.htm](http://www.sadienash.org/apply_summer.htm) The Sadie Nash Leadership Project (SNLP) includes rigorous coursework, mentoring, as well as service, experiential, and skill learning, including community organizing and youth-designed activism projects. Every aspect of the program is designed to support and develop young women to both visualize themselves as leaders and actualize their leadership. Short term summer leadership institute or 2-year program.

**Embrace Her Legacy Summer Institute NYC**, [http://embraceherlegacy.com/summerinstitute/](http://embraceherlegacy.com/summerinstitute/) Personal and leadership development program offered to young women (ages 14 – 19) in the New York City/tri-state area focusing on elevating young women to achieve unprecedented success in self-confidence, purpose, career, education and leadership. A hand-selected, diverse group of notable professional women and men will serve as positive role-models and guest instructors.

**Prep School Enrichment Programs**

These may be great options for younger students not yet eligible for the summer college programs.

**Phillips Exeter Academy, Exeter, NH**, [http://www.exeter.edu/summer](http://www.exeter.edu/summer) Intensive six-week residential academic program specifically for high school students. Boarding students take 3 courses in Liberal Arts: Humanities, Natural Sciences, and Social Sciences. Strong Performing Arts, international forum component. Summer study abroad programs in Mexico, France, and Britain.


**Hotchkiss Summer Programs, Hotchkiss, CT**, [https://www.hotchkiss.org/our-school/summer-programs](https://www.hotchkiss.org/our-school/summer-programs) Hotchkiss Summer Portals is a residential program that offers middle and high-school age students the opportunity to hone a talent, try something new, and experience life at a New England boarding school. In each two or three-week session, you will learn from dedicated faculty members and experts.

**Choate Rosemary Hall Summer Programs, Wallingford, CT**, [http://www.choate.edu/summer](http://www.choate.edu/summer) 2 and 5 week residential summer programs including Summer in Paris, Spain or China as well as John F. Kennedy Institute in Government (including Washington trip), and Writing Project. Enrichment courses are offered to better the understanding of a topic. Social, sports, cultural activities and college visits.

**Phillips Academy, Andover, MA**, [http://www.andover.edu/summersession](http://www.andover.edu/summersession) 5 week intensive residential academic program, opportunities for cultural, academic, experiential learning, arts programs, outdoor adventure, theater, music, athletics, technology, marine biology and expository writing as part of the OCEANS program, lectures and colloquia, college counseling.

A Vibrant Intellectual Community

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