Summer Programs: Complete List

Includes Programs that are both currently opened and closed.

# Section One: Science Programs

1. **Program Name**: MITES
* **Website**: <http://web.mit.edu/mites/>
* **Deadline**: 11:59PM EST on January 24, 2013.
* **Costs**: Each of the three academic enrichment opportunities offered by OEOP are 100% scholarship-based. Funding from industry, foundations, grants, individuals, and MIT covers all living and educational expenses for each admitted student. *Students only pay for their transportation to and from MIT.*
* **Description:** MIT's Office of Engineering Outreach Programs (OEOP) in the School of Engineering (SOE) runs seven core programs for middle and high school students. In 1975, the SOE launched the Minority Introduction to Engineering and Science (MITES) Program to address the low numbers of minority students pursuing advanced technical degrees.
1. **Program Name**: The Physics of Atomic Nuclei Program
* **Website**: <http://www.nscl.msu.edu/teachersstudents/programs/pan>
* **Deadline**: April 5, 2013
* **Costs**: A free residential summer camp for high school students
* **Description**: PAN is an outreach program at two world leading nuclear physics laboratories: Nuclear Science Laboratory located on the campus of the **University of Notre Dame** and the National Superconducting Cyclotron Laboratory located on the campus of Michigan State University. The program introduces participants to the fundamentals of the extremely small domain of atomic nuclei and its connection to the extremely large domain of astrophysics and cosmology.
1. **Program Name**: Smith Science & Engineering Program for high school girls
* **Website**: <http://www.smith.edu/summer/programs_ssep.php/program.php>
* **Deadline**: Website is not working for me but application should be due somewhere in spring
* **Costs**: Costs a few thousands but it is likely to get a scholarship
* **Description**: The Smith Summer Science and Engineering Program (SSEP) is a four-week residential program for exceptional young women with strong interests in science, engineering and medicine.
1. **Program Name**: Summer Science Program (SSP)
* **Website**: <http://www.summerscience.org/home/index.php>
* **Deadline**: Friday, March 1, 2013
* **Costs**: The published program fee, the maximum any family will pay, is $4,150 (much less than our actual cost of $6,200). It covers tuition, room & board, supplies, and local transportation: everything except travel to campus.
* Thanks to the generosity of SSP alumni and other donors, generous need-based financial aid is available to further reduce the cost.
* **Description**: The Summer Science Program (SSP) is a residential enrichment program in which gifted high school students from around the world complete a challenging, hands-on research project in celestial mechanics.
1. **Program Name**: Research Science Institute.
* **Website**: <http://www.cee.org/apply-rsi>
* **Deadline**: Closed
* **Costs**: Not stated. More info. you need to contact them
* **Description**: A program at MIT where students research and learn more about science.
1. **Program Name**: Bridge Program in Math & Science
* **Website**: <http://www.sewanee.edu/bridgeprogram/>
* **Deadline**: March 15
* **Costs**: The University has secured sponsorship of the program so that tuition, books, room, and board are free for the twenty students chosen to attend.
* **Description**: The Bridge Program in Math and Science at Sewanee is a three-week residential experience for twenty rising high school seniors.
1. **Program Name**: SAMS: The Summer Academy for Mathematics + Science at Carnegie Mellon
* **Website**: <http://www.cmu.edu/enrollment/summerprogramsfordiversity/sams.html>
* **Deadline**: April 1
* **Costs**: There will be no tuition, housing or dining fees for students selected to attend SAMS. Upon acceptance, a non-refundable deposit will be due and a portion of those funds will be transferred to your student account to assist with the purchasing of program supplies.
* Students will, however, be responsible for books, supplies, transportation and recreational expenses. Textbook costs vary from year to year. An estimate would be $150-200. On average, students spend approximately $200 on personal and recreational expenses throughout the summer program.
* **Description**: The Summer Academy for Mathematics and Science is a rigorous residential summer experience for good students who have a strong interest in math and science and want to become excellent students. Students who are entering their junior or senior year and are considering careers in engineering, science and other math-based disciplines are eligible to apply. Students must be at least 16 years old to participate in this program.
1. **Program Name**: Michigan State University High School Honors Science/Mathematics/Engineering Program (HSHSP)
* **Website**: <http://education.msu.edu/hshsp/>
* **Deadline**: March 15
* **Costs**: Not stated.
* **Description**: Its purpose is to provide students from across the U.S. and territories who are entering 12th grade with the opportunity to engage in intensive research work over a seven-week period and to interact with peers who come from diverse backgrounds but who share a love of science and/or mathematics.
1. **Program Name**: 2013 COSMOS UC Davis
* **Website**: <http://cosmos.ucdavis.edu/>
* **Deadline**: February 22
* **Costs**: $30 Application Fee         (non-refundable)
$2,950 Tuition Fee\*      (includes room & board)
Full and partial financial assistance may be available for
tuition. Students who qualify individually for free/reduced
lunch by the National School Lunch Program may qualify
to receive financial assistance,
* **Description**: COSMOS is a four-week residential program for talented and motivated students completing grades 8-12. Students work side-by-side with outstanding university researchers and faculty exploring advanced topics beyond the typical high school curriculum in science, technology, engineering and mathematics (STEM) fields. COSMOS courses are hands-on and lab intensive focusing on current research underway at the University of California.
1. **Program Name**: AIM - Academically Interested Minds – Kettering University
* **Website**: <http://www.kettering.edu/admissions/pre-college-programs/academically-interested-minds>
* **Deadline**: Deadline not stated
* **Costs**: NO COST
* **Description**: The program is designed to augment Kettering University's efforts to reach a greater number of multicultural students who have a strong interest in the areas of engineering, math, science and business.
* Qualifications:  African American, Hispanic and Native American students presently in the 11th grade with a minimum 3.0 GPA in English, math and chemistry courses (two years of high school English; two years of high school algebra or the equivalent preparation; one year of geometry; and one year of high school chemistry with lab).
1. **Program Name**: ADVANCED BIOTECHNOLOGY INSTITUTE – ROXBURY LATIN SCHOOL
* **DESCRIPTION**: Not available
* WEBSITE: <http://www.biotech-institute.org/>
* **REQUIREMENTS**: For outstanding high school science students
* **COSTS**: Limited scholarship available
* **DEADLINE**: Not available
1. **Program Name**: STUDENT SCIENCE TRAINING PROGRAM (SSTP) – UNIVERSITY OF FLORIDA
* **DESCRIPTION**: A seven week residential research program for selected rising juniors and seniors who are considering medicine, math, computer, science, or engineering careers.
* WEBSITE: <http://www.cpet.ufl.edu/sstp/Description.html>
* **COSTS**: Costs $3800 (does not include daily meals)
Limited financial aid
* **DEADLINE**: Already passed
1. **Program Name**: HIGH SCHOOL SUMMER SCIENCE RESEARCH PROGRAM – BAYLOR UNIVERSITY
* **DESCRIPTION**: A summer research program that gives high school students hands-on research experience by working on research projects with Baylor University science professors in many disciplines.
* WEBSITE: <http://www.baylor.edu/summerscience/>
* **REQUIREMENTS**: High school junior or senior
* **COSTS**: Not available
* **DEADLINE**: March 1
1. **Program Name**: HIGH SCHOOL SUMMER RESEARCH PROGRAM – ROSWELL PARK CANCER INSTITUTE
* **DESCRIPTION**: A summer research program that provides students the opportunity to conduct research and experience the lifestyle of a researcher at a National Cancer Institute designated comprehensive cancer center.
* WEBSITE: <http://www.roswellpark.edu/education/summer-programs/high-school-juniors>
* **REQUIREMENTS**: High school junior
* **COSTS**: $20 application fee and $50 activity fee for students who are accepted into the program
* **DEADLINE**: February 15
1. **Program Name**: YOUNG SCHOLARS PROGRAM – NORTHEASTERN UNIVERSITY
* **DESCRIPTION**: The program offers future scientists and engineers a unique opportunity for hands-on experience while still in high school.
* WEBSITE: <http://www.youngscholars.neu.edu/>
* **REQUIREMENTS**: Upcoming high school juniors and seniors
* **COSTS**: Not available
* **DEADLINE**: March 29

# Section Two: Engineering Programs

1. **Program Name**: CURIE ACADEMY – CORNELL UNIVERSITY
* **DESCRIPTION**: A one week summer residential program for high school girls who excel in math and science.
* **LINK**: <http://www.engineering.cornell.edu/diversity/summer/high_school/curie/index.cfm>
* **REQUIRMENTS**: Specifically for females
A minimum GPA of 3.0 on a 4.0 scale
A rising junior or senior in high school
* **COSTS**: Tuition is $1450 but financial aid is available
* **DEADLINE**: March 1
1. **Program Name**: SUMMER ACADEMY IN APPLIED SCIENCE AND TECHNOLOGY – UNIVERSITY OF PENNSYLVANIA
* **DESCRIPTION**: A summer program where students explore engineering at the college level, combined with sophisticated theory with hands-on practical experience in cutting-edge technologies.
* **LINK**: <http://www.seas.upenn.edu/saast/>
* **REQUIREMENTS**: Rising sophomore, junior or senior in high school
Have a good overall academic record (minimum B average)
Strong performance in mathematics and science subjects
* **COSTS**: $75 non-refundable application fee
* **DEADLINE**: March 15 (Priority deadline); May 15 (General admissions deadline)
1. **Program Name**: MINORITY INTRODUCTIN TO ENGINEERING (MITE) – PURDUE UNIVERSITY
* **DESCRIPTION**: A summer program where participants get to experience life as an engineering student with core focus on math-building skills. It provides them with the unique opportunity to meet and interact with other students having similar interests and goals as they learn about engineering in the College of Engineering at Purdue University.
* **LINK**: <https://engineering.purdue.edu/MEP/Programs/MITE>
* **REQUIREMENTS**: High school junior
* **COSTS**: Tuition is $1600
* **DEADLINE**: March 15
1. **Program Name**: WOMEN’S TECHNOLOGY PROGRAM (WTP) – MASSACHUSETTS INSTITUTE OF TECHNOLOGY
* **DESCRIPTION**: A rigorous four-week summer academic and residential experience where female high school students explore engineering through hands-on classes, labs and team based projects.
* **LINK**: <http://wtp.mit.edu/>
* **REQUIREMENTS**: Rising high school senior
* **COSTS**: Not available
* **DEADLINE**: Already passed
1. **Program Name**: LITE (For girls) - Kettering University
* **Website**: <http://www.kettering.edu/current-students/student-life/pre-college-programs/lite-program/should-i-apply>
* **Deadline**: April 15, 2013
* **Costs**: $600 \*Limited financial aid available
* **Description**: LITE is for females who would like to learn more about bioengineering.
1. **Program Name**: CATALYST Academy - Cornell University
* **Website**: <http://www.engineering.cornell.edu/diversity/summer/high_school/catalyst/index.cfm>
* **Deadline**: March 1, 2013
* **Costs**: $1450
* **Description**: The CATALYST Academy is a one-week summer residential program for rising high school sophomores, juniors, and seniors. The mission of the CATALYST Academy is to advance diversity in engineering and its related disciplines.
1. **Program Name**: SEE@ASU - Arizona State University
* **Website**: <http://engineering.asu.edu/summerprograms/seeasu.html>
* **Deadline**: \*Contact Stephen Rippon
* **Costs**: $25 \*non-refundable application fee; $475 for program.
* **Description**: SEE@asu is a one week program that allows students, who will be high school seniors next year, the opportunity to learn what the fields of engineering entail.

# Section Three: Mathematics

1. **Program Name**: PROMY'S - Boston University
* **Website**: http://www.promys.org/
* **Deadline**: May 1, 2013
* \*Counselor Application Needed As Well
* **Costs**: \*Will give financial aid to anyone who needs it.
* **Description**: PROMYS is a six-week summer program at Boston University designed to encourage strongly motivated high school students to explore in depth the creative world of mathematics in a supportive community of peers, counselors, research mathematicians, and visiting scientists.
1. **Program Name**: The Ross Mathematics Program - Ohio State University
* **Website**: http://www.math.osu.edu/ross/
* **Deadline**: March 1, 2013
* **Costs**: $2200 \*Some financial aid available
* **Description**: An intensive summer experience designed to encourage motivated pre-college students to explore mathematics and immerse in a world of mathematical discovery.
1. **Program Name**: LAMPS - Lamar University
* **Website**: http://www.math.lamar.edu/activities/LAMP/LAMP.aspx
* **Deadline**: May 23, 2013
* **Costs**: FREE!!
* **Description**: LAMP emphasizes enhancing students’ mathematics skills, introducing them to college life, and stimulating their interest in mathematics as a potential career path
1. **Program Name**: SUMaC - Stanford University
* **Website**: http://math.stanford.edu/sumac/
* **Deadline**: March 13, 2013
* **Costs**: \*Financial Aid is available
* **Description**: To bring mathematically talented and motivated high-school students from across the United States, and from around the world, to Stanford University for four weeks of serious mathematical pursuits.
1. **Program Name**: SIMUW
* **Website**: <http://www.math.washington.edu/~simuw/thisyear/index.html>
* \*California residents non eligible so thus irrelevant
1. **Program Name**: C-Tech2 - Virginia Tech
* **Website**: <http://www.eng.vt.edu/ctech2>
* **Deadline**: \*Application materials available February 20, 2013
* **Description**: A primary focus of the program is to help develop and sustain the interests of women in engineering and the sciences.
1. **Program Name**: HCSSiM - Hampshire College
* **Website**: <http://www.hcssim.org/index.html>
* **Deadline**: \*Rolling application so apply ASAP
* **Costs**: $2890 \*Financial aid for those who need it.
* **Description**: It is demanding and expanding. Participants spend a major portion of each day actively engaged in doing mathematics.

# Section Four: Pre-College Programs

1. **Program Name**: Summer@Brown
* **DESCRIPTION**: Students are invited to stay at Brown University, Ivy League university located in Providence, RI, for 1-4 weeks depending on the course they chose to take. Participants will be able to experience college lifestyle by living in dorms. Courses offered range from history, English literature, to medical courses.
* **ELIGIBILITY**: must be student completing 9th-12th grade by June 2013,
* APPLICATION: online application and official transcript
* **PAYMENT**: application fee ($45-$90); Course fees are dependent upon the length of a course. Some may require a supplemental or materials fee. $2400-$6000; once accepted = $300 program deposit.
* **SCHOOL LINK**: [www.brown.edu/](http://www.brown.edu/)
* **ADDTIONAL INFO**: <http://brown.edu/ce/pre-college/>
* **DEADLINE**: none; apply early

1. **Program Name**: Young Women's Leadership Institute
* **DESCRIPTION**: Students are invited to Barnard College, a private women's liberal arts college located in NYC, NY, for a one week leadership program (7/7-7/14/2013). Participants will be able to learn about current gender issues and social change. This is a program for students interested in becoming a leader.
* **ELIGIBILITY**: must be female
* **APPLICATION**: app. form, essay, Letter of Recommendation from teacher and counselor/principal, official transcript, $65 app. Fee
* **PAYMENT**: $2,750, not including cost of books, supplies, and travel expenses
* **SCHOOL LINK**: <http://barnard.edu/>
* **ADDTIONAL INFO**: <http://barnard.edu/precollege/summerprograms/programs/ywli>
* **DEADLINE**: June 7, 2013
1. **Program Name**: Summer@ UC Riverside
* **DESCRIPTION**: Students are invited to UC Riverside, a public university located in Riverside, CA, for a chance to take college level course. Will receive full UCR course credit on an official UC transcript. Course are 5+ weeks in length.
* **ELIGIBILITY**: students in 9-11th grade, 3.5 GPA or higher, endorsement letter from teacher/counselor
* APPLICATION: application, official transcript, endorsement letter
* **PAYMENT**: course fees, depending on length of course, range from $675-$855. other fees include books, UCR ID, parking permit, and other materials needed for class; financial aid is available
* **SCHOOL LINK**: [www.ucr.edu/](http://www.ucr.edu/)
* **ADDTIONAL INFO**: <http://summeracademy.ucr.edu/>
* **DEADLINE**: May 17, 2013

# Section Five: Business

1. **Program Name**: LEAD at University of Pennsylvania
* **DESCRIPTION**: June 30-July 27. Students are invited to the Wharton School at the University of Pennsylvania, located in Philadelphia, to learn about the world of business. Participants will be able to attend lectures and visit corporate/institutions in Washington D.C., NYC, or Philadelphia. Program length = 3-4 weeks.
* **ELIGIBILITY**: US citizen/permanent resident, junior, B average or higher, combined PSAT scores of at least 100, or SAT at least 1000, or ACT of at least 22.
* **APPLICATION**: academic recommendation form, education form, personal recommendation form, essays, application form
* **PAYMENT**: financial aid is available;$45 app fee; $1850 for 3 weeks and $2100 for 4 weeks
* **SCHOOL LINK**: [www.wharton.upenn.edu/](http://www.wharton.upenn.edu/)
* **ADDTIONAL INFO**: <http://www.wharton.upenn.edu/academics/LEAD.cfm>
* **DEADLINE**: Passed

# Section Six: Miscellaneous Summer Programs

1. **Program Name**: Dartmouth Bound
* **DESCRIPTION**: Visit Dartmouth, a private Ivy League research university located in New Hampshire, for four days. Participants will be able to learn more about the admissions and financial aid process and explore the intersection of academics, service, and leadership at the College. (Seminars, campus tours, workshops)
* **APPLICATION**: transcript, two essay prompts, letter of recommendation (there's a form available), short answer question section, etc. SAT/ACT scores not required, but will strengthen app.
* **ELIGIBLITY**: complete the app?
* **PAYMENT**: students have to cover cost to get him/herself from home to airport of departure; meal costs covered by college; free round-trip airfare is available; for students living in New England, rail or bus transportation is available.
* **SCHOOL LINK**: <http://www.dartmouth.edu/>
* **ADDITIONAL INFO**: http://www.dartmouth.edu/admissions/bound/programs/summer.html
* **DEADLINE**: passed for 2012; not available yet for 2013
1. **Program Name**: Princeton LEDA Program
* **DESCRIPTION**: Visit Princeton, a private Ivy League research university located in New Jersey. 7 week program including leadership study, writing instruction, standardized test prep., and college advising.
* **APPLICATION**: The admissions process consists of three rounds.  Applicants must successfully complete each portion (Part I, Part II, and an interview) to be admitted to the LEDA Scholars Program. Part I of the application includes high school academic information to be filled out by a counselor, a personal statement, information on summer activities and extra-curricular activities, and biographical information. The strongest candidates selected from the first part of the process will be invited to submit materials for Part II.  Part II of the application includes a review of additional academic records, standardized test scores, writing samples, recommendation letters, and family information.  LEDA staff review all remaining applications during this portion of the process, and invite the strongest candidates to be interviewed. Approximately 60 applicants are then admitted to the LEDA Scholars Program.
* **ELIGIBLITY**: socioeconomically disadvantaged communities, currently underrepresented in nation's top colleges, US citizen or permanent resident, junior in public high school for the summer that you're applying for, income is $55,000 or less, first gen., top 10% of class, etc.
* http://www.ledascholars.org/?page\_id=66
* **PAYMENT**: Probably Free!
* **SCHOOL LINK**: <http://www.princeton.edu/main/>
* **ADDTIONAL INFO**: <http://www.ledascholars.org/?page_id=27>
* **DEADLINE**: application period over for summer of 2013?
1. **Program Name**: TASP
* **DESCRIPTION**: Telluride Associations Summer Program; 6 week educational experience for juniors; offers no grades/college credit; Participants will have to participate in 3 hour long seminars every week day, attend public-speaking workshops, and lectures by guest speakers.
* APPLICATION: essay writing prompts, academic record
* **ELIGIBILITY**: high school junior, students who want to intellectually and personally challenge themselves
* **PAYMENT**: free-housing, dining, tuition covered by Telluride Associations; must pay for transportation and incidental expenses; financial aid available; stipends of up to $500 are offered to replace summer work earnings for students.
* **MAIN WEBSITE**: http://www.tellurideassociation.org/
* **ADDTIONAL INFO**: http://www.tellurideassociation.org/programs/high\_school\_students/tasp/tasp\_general\_info.html
* **DEADLINE**: application period over for summer of 2013; apps for 2014 summer are out in December 2013
1. **Program Name**: Young Scholars Program
* **DESCRIPTION**: Visit UC Davis, public teaching and Research University in CA. Participants will be able to work one-on-one with research faculty and research groups in labs. 6 week program. Student will have to work on individual project and prepare a journal quality paper and symposium presentation of their work. Focus of program is on biological, environmental, and agricultural sciences. Students will get to experience life similar to a freshmen in college.
* **ELIGIBILITY**: high school sophomore/junior
* APPLICATION: online application, two teacher recommendations, high school transcript, etc.
* **PAYMENT**: application fee = $25, total cost = $6200 with a fully refundable $100 security deposit, fee reduction is available based on need
* **SCHOOL LINK**: http://www.ucdavis.edu/
* **ADDITIONAL INFO**: http://ysp.ucdavis.edu/
* **DEADLINE**: April , 2013
1. **Program Name**: TASS
* **DESCRIPTION**: 6 week program. College level course in African-American studies and other fields at University of Michigan and Indiana University. 3 hour long seminars every day, writing workshops, and field trips.
* **ELIGIBIILTY**: high school sophomores, can be African-American or other minorities, interested in African-American studies
* **APPLICATION**: essay writing prompts, academic record
* **PAYMENT**: TASS covers all program costs (tuition, books, room and board, field trips, and facilities fees). stipends up to $500 is offered
* **MAIN WEBSITE**: http://www.tellurideassociation.org/
* **ADDTIONAL INFO**: http://www.tellurideassociation.org/programs/high\_school\_students/tass/tass\_general\_info.html
* **DEADLINE**: application period over for summer of 2013; apps for summer of 2014 available in late November 2013
1. **Program Name**: Genius Olympiad
* **DESCRIPTION**: high school competition about environmental issues. Student can submit multiple projects, but can only present one. different categories: science, art, creative writing, design, city
* **ELIGIBLITY**: US citizen/international student in grades 8-12,
* **APPLICATION**: online app, full project description
* **PAYMENT**: $25 fee processing fee,
* **MAIN WEBSITE**: http://geniusolympiad.org/
* **DEADLINE**: April 1, 2013
1. **Program Name**: Where There Be Dragons
* **DESCRIPTION**: program for students who want to study abroad. Multiple programs available in China, Southeast Asia, Middle East, Africa, Latin America, Himalayas. Participants will be able to immerse themselves into a new culture and learn about the life style there. college credit is given
* **ELIGIBILTY**: depends per program
* **APPLICATION**: online
* **PAYMENT**: depends per program; financial aid available
* **MAIN WEBSITE**: http://www.wheretherebedragons.com/
* **ADDTIONAL INFO**: http://www.wheretherebedragons.com/apply.php
* **DEADLINE**: available now