

Research Programs

Institution	Program	Contact Information	Description
Adelphi University <i>Garden City, NY</i>	Summer Tech Camps: Coding, Game Development, Design, Robotics	https://www.idtech.com/locations/new-york-summer-camps/adelphi-university Phone: 1-888-709-8324	Students discover coding, game development, robotics, and design in an inspiring, collegiate setting. With an average of just 8 students per instructor, our guaranteed small class sizes ensure you'll receive personalized instruction and excel at your own pace. Come explore for one week, or return for multiple sessions to build an impressive portfolio.
Boston Leadership Institute <i>Wellesley, MA</i>	STEM Research Programs	http://bostonleadershipinstitute.com/index.html info@bostonleadershipinstitute.com	The Boston Leadership Institute selects outstanding high school students for our three-week programs. Students develop high-level research skills and subject matter expertise that strengthen credentials valuable for college admissions, interviews, and essays.
Carnegie Mellon University <i>Pittsburgh, PA</i>	Summer Academy for Mathematics and Science	https://admission.enrollment.cmu.edu/pages/access-sams admission-outreach@andrew.cmu.edu Phone: 412-268-2082	Summer Academy for Math and Science provides high school seniors with a strong interest in computer science, engineering and/or the natural sciences, with the opportunity to achieve essential skills necessary to pursue and complete majors in STEM fields. Students from underrepresented minorities, low socioeconomic backgrounds, and first generation students to go to college are encouraged to apply. No cost of tuition, housing or dining.
Cornell University: School of Continuing Education and Summer Sessions <i>Ithaca, NY</i>	Summer College: Engineering and Robotics, and Psychology, Research and Science	https://www.sce.cornell.edu/sc/programs/index.php summer_college@cornell.edu Phone: 607-255-6203	Summer College offers academically motivated high school students an unparalleled opportunity to take courses at a great Ivy League university while earning college credit, working closely with internationally recognized faculty, exploring

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		Application Deadline: May 4, 2018 Research Application: March 9, 2018	majors and career options, making friends from around the world, and enjoying the great natural beauty of Ithaca and the Finger Lakes region.
Hobart and William Smith Colleges Geneva, NY	Environmental Studies Summer Youth Institute	http://essyi.hws.edu/ essyi@hws.edu Phone: 315-781-4401 Application deadline: June 30, 2018	ESSYI is unique among environmental studies programs in its focus on the interdisciplinary nature of environmental issues and the complexity of potential solutions. Students find specific topics, sessions and ideas that resonate with them individually, but are also exposed to other ideas and ways of thinking about environmental issues that broaden their framework for thinking about and developing solutions when working with others.
Hofstra University Hempstead, NY	Summer Science Research Program	https://www.hofstra.edu/academics/colleges/hclas/sse/index.html gail.k.bennington@hofstra.edu Phone: 516-463-5564	This program offers high school students opportunities in science research under the guidance of professionals in science and mathematics. Students will be selected for this program on the basis of their high school science experience, a personal interview and, above all, the high school teacher's recommendation.
Northwell Health: Feinstein Institute for Medical Research Manhasset, NY	Summer Student Intern Program	http://www.feinsteininstitute.org/education-careers/education/student-intern-programs/ Phone: 516-562-3467 Application Deadline: January 15, 2018	The Feinstein Institute Summer Student Intern program is a competitive mentored program designed to provide high school, college and graduate students with hands-on experience in disease-oriented research and familiarize them with opportunities that exist for careers in medical research. At the end of the internship, students will be expected to present an academic poster summarizing their research to faculty and

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			other students. This program requires a full 8-week commitment. Students need to be at least 16 years of age before July 1st, 2018.
Penn Engineering Philadelphia, PA	Engineering Summer Academy at Penn	https://esap.seas.upenn.edu/courses/esap@seas.upenn.edu Phone: 215-898-0053 Priority deadline: February 26, 2018 General deadline: April 6, 2018	This program designed to provide exceptional math and science students the opportunity to explore the field of Engineering before applying to college. Students can choose to attend one of 6 courses: Biotechnology, Complex Networks, Computer Graphics, Computer Science, Nanotechnology, and Robotics.
Rensselaer Polytechnic Institute Troy, NY	Summer at Rensselaer	http://summer.rpi.edu/programs/researchexperience Phone: 518-276-6809 SOAPS@rpi.edu	This is a four week long residential program. Rensselaer faculty and Summer@Rensselaer work together to provide select high school students the unique opportunity to conduct research and learn new skills specific to their assigned research group. They will work alongside an assigned faculty mentor, graduate, and undergraduate students. Open to rising 11th and 12th graders. Students must be 16 years old by check-in, as required by Rensselaer research facility regulations.
The Rockefeller University New York, NY	Summer Science Research Program	https://www.rockefeller.edu/outreach/summer-science/highschoolapp/ outreach@rockefeller.edu Application due: January 8, 2018	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. These mentors volunteer to design and supervise individualized summer projects for their students. In 2018, the seven-week program will run from June 25 through August 09. Students must be 16 years old by the start date of the program in order to participate.
Ross School	Innovation Programs	https://www.ross.org/innovationlab	Innovation Lab @Ross is a stimulating and

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<i>East Hampton, NY</i>		Phone: 631-907-5400 admissions@ross.org	rigorous program that enables students to conduct independent research and undertake self-directed learning in such fields as applied sciences, technology, engineering, media, and digital arts. A variety of specialized laboratory and workshop spaces allow students to experience hands-on learning and develop technical and design skills.
Roswell Park Cancer Institute <i>Buffalo, NY</i>	Summer Cancer Research Experience Program for High School Students	https://www.roswellpark.org/education/summer-programs/high-school-students Application Deadline: January 10, 2018	Your research experience will be set within the collaborative and mentored environment of a world-renowned cancer researcher's laboratory where you will work alongside a research staff of graduate students, post-doctoral scholars and technicians. You will develop skill sets important to a scientific career, learn about cutting-edge cancer science topics and explore non-traditional science careers.
SEA Semester Environmental Studies <i>Woods Hole, MA</i>	SEAScape: SEA Science on the Cape SEA Expedition	https://www.sea.edu/high_school_programs admission@sea.edu Phone: 508-444-1910	SEAScape: This three-week summer program at SEA offers motivated high school students the opportunity to study the marine environment from a variety of perspectives – scientific, historical, literary, and nautical. Participants live and study at our campus in Woods Hole, Massachusetts. <i>SEA Expedition</i> : SEA Expedition is a 13-day offshore summer program for rising high school sophomores, juniors, and seniors. Centered on learning by doing, SEA Expedition is a multidisciplinary experience that welcomes students to participate in every aspect of a challenging offshore sailing and oceanographic expedition. The

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			program occurs entirely aboard the SSV Corwith Cramer, one of two sailing research vessels owned and operated by SEA.
Shoals Marine Laboratory Durham, NH	Marine Environmental Science	https://www.shoalsmarinelaboratory.org/course/marine-environmental-science-section-1 shoals.lab@unh.edu	July 2, 2018 to July 16, 2018 Marine Environmental Science explores the diversity of coastal marine habitats and ecosystems and the tools scientists use to study them, with an emphasis on topics related to human impacts and environmental health. Fieldwork will include explorations of the rocky intertidal zone, excursions to neighboring islands to observe seal and seabird colonies, and offshore trips to learn oceanographic sampling techniques and observe whale foraging grounds. Eligible students must have completed two year-long science courses and completed 10 th 11 th or 12 th grade.
Stevens Institute of Technology Hoboken, NJ	Pre-College Programs	https://www.stevens.edu/admissions/pre-college-programs/available-pre-college-programs summer@stevens.edu Phone: 201-216-3683 Application Due: February 15, 2018	Rising juniors and seniors may apply to participate in one of the many residential pre-college programs within fields of Engineering and Science, Technology, Society, and the Arts, and Business. All programs are designed by the faculty to be creative, project-driven, hands-on immersions that give not just real college experience, but real world experience. By night you'll live in the dorms, by day you'll visit major corporations, work on a tangible project and learn alongside experts.
Stony Brook University School of Marine Science and Atmospheric Science	Oceanography	https://www.somas.stonybrook.edu/education/undergrad_course_mar104/ Kurt.Bretsch@stonybrook.edu	This intensive course is specifically designed for motivated high school students wishing to earn college credit. The short-term course will run for 2 weeks and meet for 4-5 hours

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South Hampton, NY		Enrollment: March 2018	each weekday at the Stony Brook Southampton campus. Content will be delivered via lectures, in- class activities, and 2 boat trips in which students will explore nearby coastal habitats using oceanographic sampling equipment. Students must have completed high school biology and be at least 16 years old.
Worcester Polytechnic Institute Worcester, MA	LAUNCH Program, Frontiers Program	https://www.wpi.edu/academics/pre-collegiate/summer/stem-residential Phone: 508-831-4900 pop@wpi.edu	The LAUNCH Program is for 9th and 10th grade. Students will leverage state-of-the-art research and technology to find solutions to current problems in a variety of scientific fields alongside WPI's renowned faculty. Frontiers Program is an on-campus residential program for rising juniors and seniors. Students will be challenged to explore the outer limits of their knowledge in STEM disciplines with current laboratory techniques to explore unsolved problems.