

THE COOPER UNION
FOR THE ADVANCEMENT
OF SCIENCE AND ART

High School Outreach Opportunities

The Cooper Union was founded in 1859 with the commitment to advance diverse and fair access to education in architecture, art, and engineering. Cooper's High School Outreach programs aid in the institution's mission by supporting college readiness and nurturing intellectual and creative interests among students from a wide range of backgrounds.

STEM SATURDAYS

STEM Saturdays is a program open to New York City high school students (grades 9–11) with priority given to students with no access to or prior experience in engineering at their school, or who identify with groups underrepresented in STEM careers. Classes are taught by Cooper Union staff, undergraduates, and graduate students, and meet four times during the school year. Students develop their design, engineering, and entrepreneurial skills as they create and develop beneficial technology to solve current or emerging problems for their community.

SUMMER STEM

Summer STEM provides an opportunity for high school students (grades 9–12) to tackle research and engineering design in a college setting. Students work in teams alongside Cooper Union faculty, staff, and undergraduates on projects that allow them to explore high-tech fields such as robotics, data science, alternative energy, and urban infrastructure, with five course options and three- or six-week programs from which to choose.

STEM DAYS

STEM Days is a field trip program to expose students (grades 5–12) to the diversity and impact of the STEM fields on modern society. The day includes a tour of the Albert Nerken School of Engineering and ends in a research lab. In the lab, students work on an engineering challenge guided by faculty, technical staff, and Cooper students.

SUMMER ART INTENSIVE

The Cooper Union Summer Art Intensive program offers high school students (rising sophomores, juniors, and seniors) the opportunity to immerse themselves in artmaking with professional artists as their instructors. Over a four-week period, students learn alongside peers who share their passion for art and design. Cooper Union undergraduate students serve as teaching assistants to enrich the student experience.

Students in the program choose from a concentration in:

Animation | Digital Photography | Drawing | Graphic Design Studio Practice (available to rising seniors)

Students participate in weekly workshops and attend field trips to museums, galleries, and artists' studios. In the final week of the program, an exhibition will be mounted, showcasing program-created student work for a celebratory event with friends and family.

All materials and museum entry fees are included in the tuition.

Students from New York City public schools are eligible to apply for scholarships that cover tuition and materials for the program.

SATURDAY PROGRAM

The Cooper Union's Saturday Program offers six free studio art courses to New York City public high school students (grades 9–12). Saturday Program students attend weekly, full-day sessions during the academic year for in-depth instruction in one of the studio courses below.

Architecture | Drawing | Graphic Design | Media Production Painting | Sculpture

Courses are taught in Cooper's art studios by currently enrolled undergraduate students with guided instruction by School of Art faculty and visiting professional artists, focusing on skill development and technique refinement.

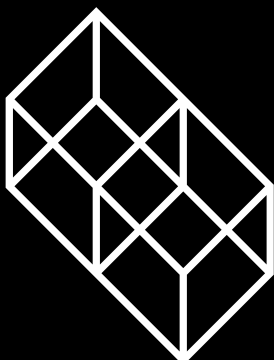
Writing workshops are integrated into the curriculum to bridge visual and written thinking. Students take multiple field trips to New York City museums, galleries, and artist studios. The program culminates with a showcase exhibition of students' work for friends and family.

High school juniors and seniors (grades 11 and 12) planning to pursue art in college, can apply for a Portfolio Prep course. These courses are specifically designed to assist students in creating their college-ready portfolios. Portfolio Prep courses are led by professional artists and currently enrolled undergraduate students.

INTRODUCTION TO ARCHITECTURE ONLINE

The Introduction to Architecture Online summer program helps high school students develop critical design skills through foundational architectural practices.

This intensive, five-week virtual course, taught by faculty from The Irwin S. Chanin School of Architecture, guides high school students in creating digital drawings, models, and animations, culminating in a portfolio of projects for college applications. Projects are supported by lectures, workshops, tutorials, and critiques, allowing students to engage with faculty from diverse perspectives and explore interests in design, studio practice, theory, and the history of architecture. Studio project critique and reviews help students articulate their emerging interests and understanding of architecture.



THE COOPER UNION

LEARN MORE:

cooper.edu/academics/outreach-and-pre-college

CONTACT:

The Cooper Union
Office of Enrollment/The Hub
41 Cooper Square
New York, NY 10003

admissions@cooper.edu
cooper.edu/admissions