

Columbia University Science Honors Program

The Columbia University Science Honors Program (SHP) is a highly selective program for high school students who have a strong interest in science and mathematics. The SHP holds classes at Columbia from 10:00 A.M. to 12:30 P.M. on Saturdays throughout the academic year. Courses are given in the physical, chemical, biological, behavioral, and computing sciences, as well as in pure and applied mathematics. Instructors are scientists and mathematicians who are actively engaged in research at the University.

SHP Courses Offered This Past Year

Experiments in Genetics and Molecular Biology
Virology
Human Physiology
Biochemistry
Neuroscience – Exploring the Brain
Data Analysis in Neuroscience
Organic Chemistry
Nano – From Science to Technology
Graph Theory by Example
Explorations in Data Science
Climate Change

Introduction to Electrical Engineering
Classical and Quantum Computing Devices
Sustainable Engineering
Relativity and Quantum Physics
Particle Physics - Exploring Matter & Forces
Modern Cosmology
Astronomy and Astrophysics
Geometry and Topology
Topics in Algebra
Computer Programming in Python
Introduction to Algorithms

The program and its courses have no tuition charges; however, families of SHP participants are asked to consider making voluntary contributions to help support the program.

The SHP is now accepting applications for the 2019-2020 academic year. Applicants must currently be in the 11th, 10th, or 9th grade. Columbia will be selecting 400 students for the program from approximately 750 schools in the metropolitan New York area. The program uses an online application process which students can access on the SHP webpage:

<http://www.columbia.edu/cu/shp/apply.html>

The selection of students will be based on the online application, grade transcripts, letters of recommendation, and student performance on an entrance examination to be taken at Columbia University on either April 6, 2019 or April 27, 2019. There is a \$30.00 testing fee that must accompany the application.

ONLINE APPLICATIONS MUST BE RECEIVED BY THE SHP BY FEBRUARY 28, 2019

