

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.

Recent SHP Course Offerings Include:

Experiments in Genetics and Molecular Biology
Virology
Biochemistry
Bioinformatics
Organic Chemistry
Human Physiology
Neuroscience – Exploring the Brain
Earth's Climate and Climate Change
Explorations in Data Science
Sustainable Engineering

Classical and Quantum Computing Devices
Relativity and Quantum Physics
Particle Physics - Exploring Matter & Forces
Modern Cosmology
Astronomy and Astrophysics
Geometry and Topology
Graph Theory by Example
Chaos and Fractals
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 2021-2022 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 online entrance examination to be offered on a choice of weekend dates TBD during May. There is a \$50.00 testing fee that must accompany the application (a fee waiver may be requested).

ONLINE APPLICATIONS MUST BE RECEIVED BY THE SHP BY MARCH 15, 2021

