

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
DNA Dynamics
Human Physiology
Virology
Therapeutics- From Disease to Discovery
Neuroscience
Biochemistry
Organic Chemistry
Nano – From Science to Technology

Experiments in Modern Physics
Modern Cosmology
Astronomy and Astrophysics
Energy Use in a Modern Economy
Knots and Manifolds
Graph Theory by Example
Group Theory and its Applications
Relativity and Quantum Mechanics
Computer Programming in Java

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 2016-2017 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 2, 2016 or April 16, 2016. There is a \$30.00 testing fee that must accompany the application.

ONLINE APPLICATIONS MUST BE RECEIVED BY THE SHP BY MARCH 1, 2016

