

COLUMBIA UNIVERSITY SCIENCE HONORS PROGRAM 2024-2025



COLUMBIA ENGINEERING
The Fu Foundation School of Engineering and Applied Science

The Columbia University Science Honors Program (SHP) is a highly selective program for high school students who have a strong interest in the sciences 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 primarily in the physical, chemical, biological, behavioral, and computing sciences; and instructors are scientists and mathematicians who are actively engaged in research at the University. During the past few years, the SHP has offered the following courses:

- Astronomy and Astrophysics
- Relativity and Quantum Physics
- Science of Materials
- Classical and Quantum Computing Devices
- Organic Chemistry
- Biotechnology and Bioengineering
- Code of Life: Exploring Computational Biology
- Human Physiology
- Tissue Engineering
- Exploring the Complex: An Introduction to Complex Analysis
- Spaces and Symmetries
- Computer Programming in Java
- Introduction To Algorithms
- Explorations in Data Science
- Biochemistry
- Algebraic Combinatorics and Symmetric Functions
- Understanding Earth's Climate System and Climate Change
- Explorations in Data Science

Further information about the program is available at:
<https://outreach.engineering.columbia.edu/SHP>

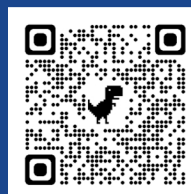
Applicants to the SHP must now be in the 11th, 10th, or 9th grade and should have a strong interest and exceptional ability in science and mathematics. Each applicant will be asked to do the following:

- (1) Submit an online application, with an associated \$50 application fee (waivers are available in case of financial hardship).
 - (2) Submit an electronic copy of their official transcript directly to the SHP.
 - (3) Request that a teacher, guidance counselor, or principal submit an online recommendation letter.
 - (4) Take a two-hour online entrance examination to be administered on various weekend dates TBD during the second half of June.
- The SHP application opens January 15, 2024, and the deadline for the receipt of student online applications is March 27, 2024.

There is a program fee of \$300 per semester. Program fee waivers may be available for students with documented financial hardships; waivers will be granted after the admissions process, and all applications will receive equal consideration regardless of need.



Apply Here:



shp@columbia.edu