2027 NIST Summer High School Internship Program (SHIP)

National Institute of Standards and Technology

https://summer.hanlin.com/en/programs/nist-ship

Institution: National Institute of Standards and Technology

Destination: United States

Subjects: Natural Sciences / Computing & Engineering / Mathematics

Programme type: Research & selective

Format and duration: On campus / 7 weeks

Age and stage: Grades 11-12 at application

Edition and status: 2027 / Location or status restrictions

Sources checked: 2026-11-17

Overview

Students join NIST’s scientific and engineering research environment under researcher supervision. This is an unpaid volunteer internship with assignments connected to the host laboratory.

Learning and approach

Work on supervised research, prepare a midpoint abstract and communicate the work in a final poster.

Topics and research areas

Assignments are scientific and engineering investigations within NIST laboratories. Available placements determine topics and mentors; the institution’s entire research catalogue is not a course menu for interns. [1]

Mentors and teaching team

NIST researchers supervise interns within the relevant working environment. The public programme page does not provide a complete, bookable 2027 mentor roster. [1]

Academic support and research resources

The 2027 availability form requires the full seven weeks, a midpoint abstract, a final poster and closing activities. Access to specific facilities follows placement and supervision arrangements. [2]

Eligibility and international applicants

US citizens only, in grade 11 or 12, with an unweighted GPA of at least 3.0 and permanent residence within 50 miles of the relevant Boulder or Gaithersburg site. Full attendance is required.

Dates

21 June-6 August 2027. Some application pages still show 2026 deadlines, which are not treated here as 2027 deadlines; use the current vacancy notice.

Costs

An unpaid volunteer internship; housing and commuting are not provided. Local-residency eligibility must be checked first.

Application materials

The process lists a résumé, transcript, two references including a STEM teacher, a personal statement of at most one page, and a student/parent-signed availability form. [3]

Hanlin editorial guidance: fit and preparation

For locally resident US citizens interested in the day-to-day methods of a research institution.

Official sources

Official source 1 [1]

Official source 2 [3]

Official source 3 [2]

Explore more on Hanlin Summer

Latest programme profile [4]

Chinese profile [5]

United States summer programmes [6]

Natural Sciences summer programmes [7]

Computing & Engineering summer programmes [8]

Mathematics summer programmes [9]

All summer programmes [10]

Application documents guide [11]

Match programmes to your profile [12]

Sources and reading links

[1] https://www.nist.gov/ship

[2] https://www.nist.gov/system/files/documents/2026/11/10/SHIP%20Availability%20Form%202027.pdf

[3] https://www.nist.gov/ship/ship-application-and-selection

[4] https://summer.hanlin.com/en/programs/nist-ship

[5] https://summer.hanlin.com/programs/nist-ship

[6] https://summer.hanlin.com/en/destinations/us

[7] https://summer.hanlin.com/en/subjects/science

[8] https://summer.hanlin.com/en/subjects/engineering

[9] https://summer.hanlin.com/en/subjects/math

[10] https://summer.hanlin.com/en/programs

[11] https://summer.hanlin.com/en/guides/application-documents

[12] https://summer.hanlin.com/en/match

This document is a snapshot. Check the relevant official edition for fees, eligibility and courses. Programmes are operated independently by their providers.

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Turn a shortlist into your preparation plan. Share your school stage, interests and goals with a Hanlin adviser to discuss programme fit, eligibility and application preparation. Scan the QR code for application advice.

https://summer.hanlin.com/en/consult