2027 Simons Summer Research Program

Stony Brook University

https://summer.hanlin.com/en/programs/stony-brook-simons-summer-research

Institution: Stony Brook University

Destination: United States

Subjects: Mathematics / Natural Sciences / Computing & Engineering

Programme type: Research & selective

Format and duration: On campus / 6 weeks

Age and stage: Grade 11; at least 16 at the start

Edition and status: 2027 / Location or status restrictions

Sources checked: 2026-11-17

Overview

Students join Stony Brook research groups for mentored work in mathematics, science or engineering, ending with an abstract and poster. Projects depend on the mentor's research; applicants identify mentor interests.

Learning and approach

Research-group work supplemented by talks, workshops and laboratory visits.

Topics and research areas

Areas include mathematics, chemistry, computing, earth and marine sciences, and neuroscience. This is a research-group placement, not a common experiment worksheet; availability follows the current mentor list. [1]

Mentors and teaching team

Stony Brook researchers supervise placements. Applicants list up to three mentors of interest; preferences do not guarantee assignment. Research topics and capacity depend on that year's list. [2]

2027 example - Yuefan Deng, Applied Mathematics and Statistics: high-performance computing, machine learning and multiscale biological/medical simulation; programming is useful. [3]

2027 example - Yixen Berry Wen, Atmospheric Sciences: NASA precipitation data and diffusion models for finer-resolution rainfall maps; Python is preferred. [3]

2027 example - Benjamin Martin, Biochemistry and Cell Biology: zebrafish stem-cell maintenance and fate, combining experiments and bioinformatics. [3]

2027 example - Anurag Purwar, Mechanical Engineering: generative robot design and physical experiments, with task-dependent programming and hardware preparation. [3]

Academic support and research resources

Research groups, weekly talks and skills workshops support methodological learning and a poster presentation. Participants must attend the full six weeks and devote at least four hours daily to research. [2]

2027 example - Mengkun Liu’s near-field infrared lab offers possible crystal preparation, microscopy and Python analysis tasks. These are listed opportunities; placement still requires matching. [3]

Eligibility and international applicants

Restricted to US citizens and permanent residents in grade 11, nominated by their school. Each school may nominate three students. Prior research is not required; a student visa alone does not satisfy the status rule.

Dates

28 June-6 August 2027. School nominations close 29 January; applications close 5 February at 11:59 p.m. Eastern; references are due 12 February. Decisions are expected in early April.

Costs

2027: no programme tuition; $75 application fee with hardship waivers. Six-week housing is estimated at $2,700, plus a meal plan. Budget separately for commuting and personal expenses.

Application materials

Prepare coursework and unweighted GPA, an unofficial transcript, two teacher references, mentor interests and six responses of up to 300 words each. School nomination precedes the application invitation. [2]

Hanlin editorial guidance: fit and preparation

Check status and school nomination first, then relate coursework and skills to the mentors’ research.

Official sources

Official source 1 [1]

Official source 2 [2]

Official source 3 [4]

Official source 4 [3]

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United States summer programmes [7]

Mathematics summer programmes [8]

Natural Sciences summer programmes [9]

Computing & Engineering summer programmes [10]

All summer programmes [11]

Application documents guide [12]

Match programmes to your profile [13]

Sources and reading links

[1] https://www.stonybrook.edu/simons/

[2] https://www.stonybrook.edu/simons/apply/

[3] https://www.stonybrook.edu/simons/mentors/

[4] https://www.stonybrook.edu/simons/about/faqs.html

[5] https://summer.hanlin.com/en/programs/stony-brook-simons-summer-research

[6] https://summer.hanlin.com/programs/stony-brook-simons-summer-research

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

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

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

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

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

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

[13] 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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