Canada/USA Mathcamp (2026 reference)

Mathematics Foundation of America

https://summer.hanlin.com/en/programs/canada-usa-mathcamp

Institution: Mathematics Foundation of America

Destination: United States

Subjects: Mathematics

Programme type: Academic courses

Format and duration: On campus / 5 weeks

Age and stage: 13-18

Edition and status: 2026 / Past edition · new details pending

Sources checked: 2026-11-17

Overview

A five-week residential mathematics community offering elective classes, problem discussions, projects and colloquia. Students build an individual programme of proof, exploration and collaboration.

Learning and approach

Choose courses at different levels in areas such as algebra, topology, analysis and graph theory, with supported problem discussion.

Topics and research areas

Official examples include abstract algebra, topology, real analysis, model theory and spectral graph theory, alongside applied mathematics and some computing and physics. Offerings change and students need not follow one common syllabus. [1]

The curriculum combines proof techniques and foundational linear algebra, group theory, number theory and graph theory with tracks in algebra, analysis, topology, combinatorics and geometry. Faculty redesign offerings annually; detailed schedules appear near the start. [2]

Mentors and teaching team

Academic staff teach courses, guide projects and provide TAU discussion time for questions and independent exploration. Check the roster for the relevant year. [3]

2026 faculty examples: Ben Dees taught at Brown and researched harmonic maps into metric spaces; Charlotte Trainor taught at Harvard with analysis training; Kevin Carde focused on algebraic combinatorics. These are historical appointments. [4]

2026 mentors included MIT graduate student Della Hendrickson, studying computational complexity, and Harvard graduate student August Liu, studying algebraic number theory. “Mentor” is a teaching/counselling role, not a professorial title. [4]

Academic support and research resources

A typical Tuesday-Saturday academic day has morning and early-afternoon classes followed by TAU and a colloquium. Choice and discussion are central; the 2027 timetable remains subject to that edition’s publication. [3]

Eligibility and international applicants

For students worldwide aged 13-18, with precalculus or equivalent preparation and sufficient English for mathematical discussion. Application work emphasises reasoning and explanation.

Dates

2026 reference: 28 June-2 August at Champlain College, Vermont. Applications opened 12 January and closed 23 February. The provider expects to announce 2027 dates and location in December.

Costs

The 2026 base fee is $7,500 including tuition, room, board, activities and local airport transfers, with no application fee. International applicants may receive partial or full need-based aid and travel support.

Application materials

The 2026 application included mathematical background and activities, About You, one recommender, and qualifying-quiz solutions with scratchwork and resources used. Aid is optional; transcripts and standardised scores are not normally required. [5]

Hanlin editorial guidance: fit and preparation

For students who enjoy sustained thinking, proofs and choosing their own learning path. The Canada/USA name does not imply simultaneous sites in both countries.

Official sources

Official source 1 [6]

Official source 2 [3]

Official source 3 [5]

Official source 4 [7]

Official source 5 [8]

Official source 6 [1]

Official source 7 [4]

Official source 8 [2]

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Latest programme profile [9]

Chinese profile [10]

United States summer programmes [11]

Mathematics summer programmes [12]

All summer programmes [13]

Application documents guide [14]

Match programmes to your profile [15]

Sources and reading links

[1] https://www.mathcamp.org/about_mathcamp/fast_facts/

[2] https://www.mathcamp.org/math/this_years_classes/

[3] https://www.mathcamp.org/math/how_it_works/

[4] https://mathcamp.org/2026/staff/

[5] https://www.mathcamp.org/admission/how_to_apply/

[6] https://www.mathcamp.org/

[7] https://www.mathcamp.org/admission/tuition/

[8] https://www.mathcamp.org/admission/international/

[9] https://summer.hanlin.com/en/programs/canada-usa-mathcamp

[10] https://summer.hanlin.com/programs/canada-usa-mathcamp

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

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

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

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

[15] 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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