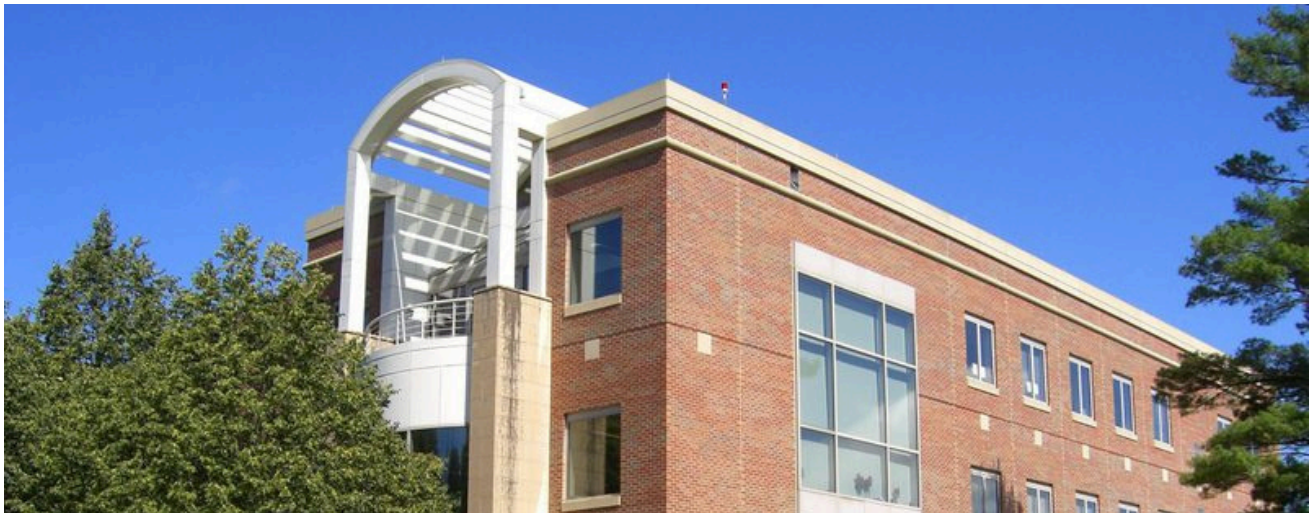


MAST MESSENGER



- IN THIS ISSUE
- MATH/STATS COLLOQUIUM**
- PROSPECTIVE MAJOR AND MINOR MEETING
- STUDENT RESEARCH SYMPOSIUM
- SUMMER RESEARCH OPPORTUNITIES
- EVENTS, INTERNSHIPS, AND JOBS

Math/Stats Colloquium

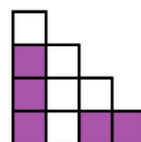
Speaker: Kristin Heysse (Macalester College)
Date: Tuesday, January 27, 2026
Time: 4:00 - 5:00 pm
Location: CMC 206



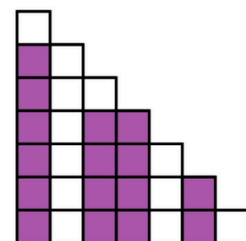
Title: Enumerating Maximal Binary Triangles

Abstract: Ever since we learned how to count, we've been asking questions about "how many?". This question is central to Combinatorics, a subfield of discrete mathematics that studies arrangements of objects. Arising out the study of voting theory, we'll ask "how many" about particular sequences best visualized as binary triangles. We'll borrow some ideas from partially ordered sets to tie these structures to other well-studied combinatorial families, present a Pascal's-triangle like array for their enumeration, and dig into the results that prove their claimed recursions. We'll end our discussion on a curious question of convolution, suggested by the OEIS, that we are still exploring.

Carleton community only.



$$S_1 = (3, 0, 1, 1)$$



$$S_2 = (6, 0, 4, 4, 0, 2, 0)$$

Prospective Major and Minor Meeting

Are you considering majoring or minoring in mathematics or statistics? Stop by **CMC 206 on Tuesday, February 3 from 4-5pm!** You'll get a chance to meet some faculty and fellow students, take a sneak peek at our tentative course offerings for next year, learn about both majors, both minors, and our student groups and employment opportunities, and free snacks. All Carleton students are welcome to attend.

International Mathematics and Statistics Student Research Symposium

The poster for the International Mathematics and Statistics Student Research Symposium (IMSSRS) 2026 features a yellow and grey color scheme. It includes a photograph of a student working on a laptop. The text on the poster provides details about the event, including the date, time, and registration information.

IMSSRS 2026

INTERNATIONAL MATHEMATICS AND STATISTICS STUDENT RESEARCH SYMPOSIUM
A VIRTUAL CONFERENCE FOR ALL STUDENTS

FEATURING SYNCHRONOUS AND ASYNCHRONOUS ONLINE PRESENTATIONS BY HIGH-SCHOOL, UNDERGRADUATE AND GRADUATE STUDENTS FROM ALL OVER THE WORLD

PLENARY SPEAKER
KATHERINE BENNETT ENSOR
RICE UNIVERSITY

SUPPORTED BY
THE AFRICAN MATHEMATICAL UNION,
VCU DEPARTMENT OF MATHEMATICS AND APPLIED MATHEMATICS, AND
CVSU DEPARTMENT OF MATHEMATICS

 **SATURDAY**
APRIL 11, 2026

 **TIME**
5:45AM-4:00PM EDT



REGISTRATION AND FURTHER INFO AT
<https://sites.google.com/view/imssrs>

Summer Research Opportunities

Oregon State University (OSU) "Robots in the Real World" Summer Research Experiences for Undergraduates (REU) Site

Students can first learn more about the program [here](#).
And apply [here](#) until **February 10, 2026**, if interested.

This year's program will run from June 22 to August 28, 2026, on the main OSU campus in Corvallis, OR. They offer research experiences in all areas of robotics for undergraduate students with backgrounds in computer science, mechanical engineering, electrical engineering, mathematics, physics, social science, or any closely related fields. Interested students can learn more about this summer's REU projects [here](#).

2026 Undergraduate Research in Industrial Projects for Students (RIPS)

In this program, students work in teams on projects that are sponsored by an industrial partner. The projects cover a wide range of real-world topics, including big data, optimization, artificial intelligence, quantum computing, and biotech. They offer two locations for the RIPS 2026 program: RIPS-LA (UCLA campus) and RIPS-Singapore. The application deadline is **Friday, February 20, 2026**.

RIPS-LA: June 22 - August 21, 2026

RIPS-Singapore: May 18 - July 17, 2026

More information including application links can be found [here](#).

Events, Internships, and Jobs

Events

Isla Internships Abroad - Intern in Armenia, Bulgaria, Kosovo, India, North Macedonia, or Spain

Thursday, February 5 • 12:00 - 1:00 p.m. • Hasenstab Hall 105

2027 Corporate and Investment Banking & Global Markets Information Session

MUFG. Monday, January 26 • 3:00 - 4:00 p.m.

Internships

Internship with Minnesota State Parks and Trails

Minnesota Department of Natural Resources (DNR). Due Monday, February 2, 2026.

2026 Internship Program

Corsair. Due Saturday, January 31, 2026.

Jobs

Carl Connection: Program Associate

DKT International. Due Saturday, February 14, 2026.

2026 Analyst Class

The Center for Radical Innovation for Social Change (RISC). Due Saturday, February 14, 2026.

Apply [here](#).
