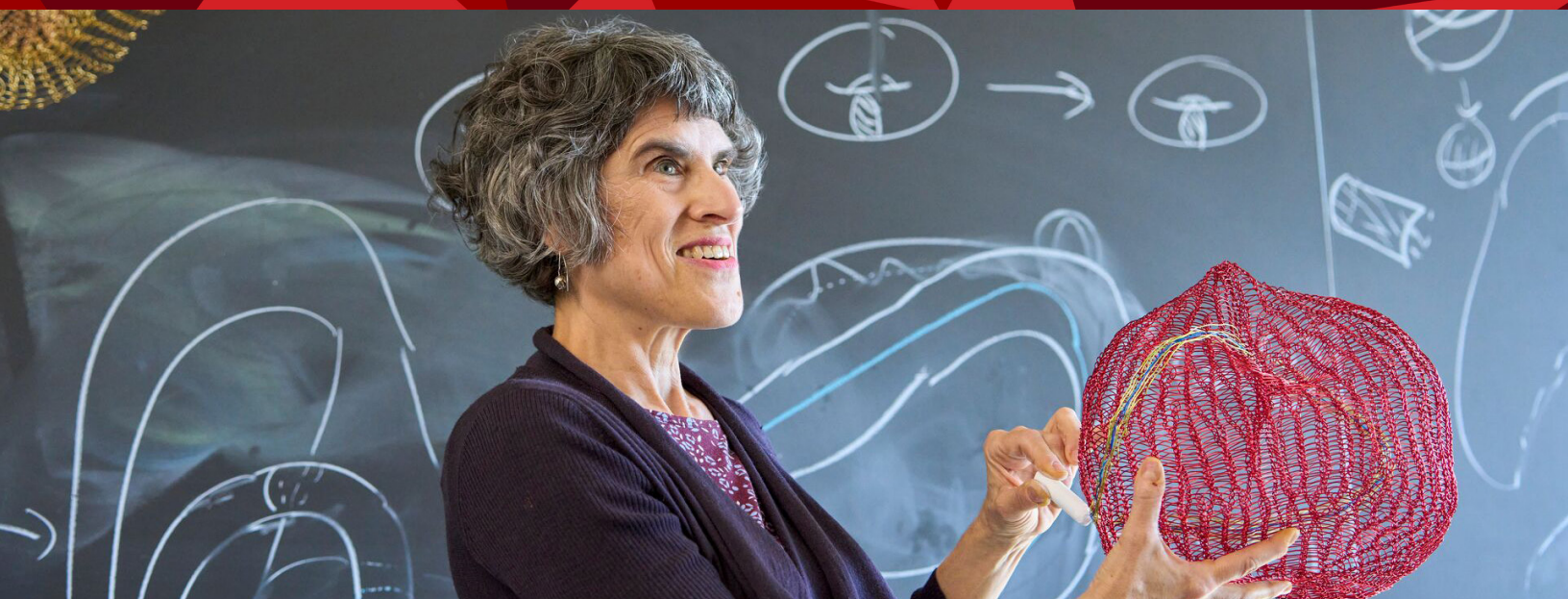


Mathematics



The Department of Mathematics unites internationally acclaimed research in pure mathematics with a deep commitment to undergraduate and graduate education. The Department is closely associated with the Institute for Mathematical Sciences, founded in 1989, and shares faculty and activities with the Simons Center for Geometry and Physics.

Stony Brook is renowned worldwide for its strength in geometry of all flavors, algebraic topology, dynamics, real and complex analysis, as well as application to mathematical physics and other areas of mathematics. Our faculty includes winners of the most distinguished prizes in mathematics, including the Fields Medal, the Abel Prize, the Wolf Prize, the Breakthrough Prize, the National Medal of Science, and many others. We are celebrated for our open and collaborative research atmosphere, and our many workshops, conferences, and scholarly visitors.

Visit our website:



PROGRAMS

- BS in Mathematics
- Minor in Mathematics
- PhD in Mathematics
- Masters in Pure Mathematics

Math Education:

- BS in Mathematics with Initial Teaching Certification
- Combined BS/MAT 5-year program
- Masters - Secondary Teaching Option (STO) (part-time program while teaching)
- Masters in Mathematics for Teachers (Full-time 2-year program)



Stony Brook University
College of Arts and Sciences



Daley McMahon '24
Mathematics Honors Program
Undergraduate Research & Creative Activities
(URECA) Summer '23 Recipient

As an undergrad, Daley was engaged with undergraduate research and substantial graduate coursework. She was president of the Math Club, a community for motivated students interested in mathematics that also serves as a resource for academic, research and fellowship opportunities. Daley started a student chapter of the Association for Women in Mathematics at Stony Brook to help build confidence and support among undergraduate women interested in research programs, scholarships, and more.



GET INVOLVED

- Women in Mathematics Club
- Mathematics Club
- Mathematical Association of America's MathFest
- Directed Reading Mentor Program in Math
- Math Learning Center

RESEARCH OPPORTUNITIES

Students can pursue research by taking part in the Summer Math Research Experience for Undergraduates (REU).

The Department is involved in many active areas of research projects:

- Algebra and Representation Theory
- Algebraic Geometry
- Analysis
- Complex Analysis
- Differential Geometry
- Dynamics
- Mathematical Physics
- Topology

CAREERS TO EXPLORE

You'll gain the knowledge and skills to work in many different professions, including:

- Actuarial Science
- Artificial Intelligence
- Data Science
- Computer Applications
- Business & Finance
- Operations Research
- Education
- Law