



Photo credit: Keegan Houser

HOW TO USE THIS MAP

Use this map to help plan and guide your experience at UC Berkeley, including academic, co-curricular, and discovery opportunities. Everyone's Berkeley experience is different and activities in this map are suggestions. Always consult with your advisors whenever possible for new opportunities and updates.

Visit ue.berkeley.edu/majormaps for the latest version of this major map.

Berkeley

Mathematics

970 Evans Hall #3840

Berkeley, CA 94720-3840

math.berkeley.edu

CONNECT WITH US

Golden Bear Orientation

Join your peers in the campus-wide UC Berkeley **orientation** program for all new students.

Events

Attend department events with students, faculty, and staff. Visit math.berkeley.edu for news and updates.

Math & Physical Sciences (MPS) Launch Day

Learn about campus opportunities and resources, get questions answered, and meet faculty, advisors, and students at the MPS new student orientation.

ADVISING

The **Math advising** team serves both declared and prospective majors. Meet with them to discuss major requirements, policies and procedures, helpful resources, enriching opportunities, and much more!

For more information or to contact an advisor, visit math.berkeley.edu/undergraduate/advising.

APPLIED MATHEMATICS

Bachelor of Arts

Berkeley
UNIVERSITY OF CALIFORNIA

INTRODUCTION TO THE MAJOR

The **Applied Mathematics** major prepares students to use mathematical concepts to formulate, analyze, and solve real-world problems. Students in the major learn:

- Research, communication, analytical, and modeling skills to develop their mathematical reasoning skills.
- Techniques and procedures to formulate and solve problems in mathematical notation.
- To identify real-world problems as subject to mathematical reasoning and to abstract general principles from the examples.

Visit the **Berkeley Academic Guide** for more information.



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“ *The rigorous classes helped me think deeply about problem-solving and made me a more analytical thinker.* ”

– Applied Math Major

MAJOR CLUSTERS

The Applied Mathematics major provides students with the opportunity to customize their learning by selecting a cluster pathway. A cluster is an approved concentration of courses in a specific field of applied mathematics. There are more than 15 approved clusters with the most popular being:

- Actuarial Science
- Computer Science
- Economics
- Statistics

More information on approved clusters can be found at math.berkeley.edu. Students can also design their own cluster with the guidance and approval of faculty.

AMPLIFY YOUR MAJOR

- Add a Teaching Concentration to your major and join **CalTeach** to prepare for a career in education.
- Build community through **MPS Scholars**.
- Test your problem-solving skills in the prestigious **Putnam Competition**.
- Apply to a **Research Experience for Undergraduates Summer Program**.
- Work alongside a grad student mentor via the **Directed Reading Program**.
- Write an **honors thesis** or execute an independent study project.

APPLIED MATHEMATICS

Bachelor of Arts

DESIGN YOUR JOURNEY

