INTRODUCTION TO THE MAJOR

The Mathematics major provides students excellent preparation for advanced study in math, physical sciences, economics, and industrial engineering, as well as graduate study in business, education, law, and medicine. The major also prepares students for post-baccalaureate positions in business, technology, industry, teaching, government, and finance. Students majoring in Mathematics may choose to major with a teaching concentration.

Visit the Berkeley Academic Guide for more information.

AMPLIFY YOUR MAJOR

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

STUDY OPTIONS

• Students majoring in Mathematics may choose to major with a teaching concentration. The teaching concentration is designed to increase the number and quality of math teachers.
• Interested in using math to solve real-world problems? Check out the Applied Mathematics major.
• Already have an intended major? Consider adding Mathematics as a minor.

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.

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

“Impact your major builds a strong analytical and logical mind and provides the skills necessary to learn almost anything technical.”

– Pure Math Major

CONNECT WITH US

Cal Day
Come to UC Berkeley’s annual Open House in April for information sessions, campus tours, special talks, and more.

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.

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!

Visit vcue.berkeley.edu/majormaps for the latest version of this major map.
**Bachelor of Arts**

**MATHMATICS DESIGN YOUR JOURNEY**

**FIRST YEAR**
- Explore your major
  - Review major and college requirements
  - Map out a 4-year plan on CalCentral.
  - Visit the peer advisor blog and talk with Mathematics peer advisors to learn about undergraduate life in the department.
  - Check out MUSA's LaTeX workshops to learn how to use this important software.

**SECOND YEAR**
- Connect and build community
  - Connect with local and national clubs and honor societies.
  - Engage your major
  - Explore study, internship, and research abroad.
  - Visit the Career Center and Career Counseling Library.
  - Check out the Career Center Yearly Planner.
  - Sign up for Handshake and CareerMail.
  - Explore career fields in the Career Connections Networking Series.
  - Meet with a Career Center counselor to discuss your career options and goals.
  - Explore career fields through the Career Connections Series or a winter externship.
  - Learn about graduate and professional school. See Step-by-Step for planning help.
  - Plan internships and attend internship fairs.

**THIRD YEAR**
- Reflect and plan your future
  - Do a degree check to ensure you are on track to graduate.
  - Complete any "bucket list" courses.
  - Finish remaining major, college, and campus requirements.
  - Complement your major with a certificate, course thread, or summer minor.

**FOURTH YEAR**
- Discover your passions
  - Apply to a Research Experience for Undergraduates Summer Program or the MSRI Undergraduate Program.
  - Apply for a Math Team Fellowship to pursue summer research with your peers.
  - Planning a senior thesis or project? Apply to the Haas Scholars Program or SURF.
  - Study Mathematics abroad in Moscow, Russia; Budapest, Hungary; or Berlin, Germany.
  - Engage in STEM education and mentorship with Bridging Berkeley. Expand Your Horizons, or SENDforC.
  - Study and intern in Washington D.C. with UCDC or Cal in the Capital.

**WHAT CAN I DO WITH MY MAJOR?**
- Jobs and Employers
  - Application Programmer, Wells Fargo
  - Data Analyst, Descena
  - Planner, KNT Manufacturing
  - Product Technician, Eiscanure
  - Research Assistant, Microsoft
  - Research Fellow, Howard Hughes Inst.
  - Software Developer, Salesforce
  - Software Engineer, Airbnb
  - Software Engineer, Google
  - Software Engineer, Intuit
  - Teacher, Oakland Unified School Dist.

**Graduate Programs**
- Algebra & Number Theory
- Analysis & Functional Analysis
- Business
- Computer Science
- Electrical Engineering
- Epidemiology
- Geometric Analysis
- Linguistics
- Mathematical Statistics & Probability
- Medicine
- Neurobiology
- Physics
- Statistics
- Topology & Foundations

**Examples gathered from the Career Destinations Survey of recent Berkeley graduates.**

**Updated Last: 12/22/2019**