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.

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.

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.

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

– Pure Math Major
## 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

- **Connect and build community**
  - Get 1:1 mentoring with Berkeley Connect and L&S Mentors Program
  - Find study groups, tutoring, and academic support at the Student Learning Center
  - Enroll in UGIS 98: College Success in L&S
  - Build your community through Math undergraduate organizations

- **Discover your passions**
  - Discover new interests in a Freshman Seminar, L&S 1, or DeCal course
  - Visit the Office of Undergraduate Research and Scholarships
  - Compete in the Putnam Competition. Take MATH 191 to elevate your success.

- **Engage locally and globally**
  - Attend the Calapalooza student activities fair and get involved with a student organization.
  - Find service opportunities through the Public Service Center
  - Explore study, internship, and research abroad options with Berkeley Study Abroad

- **Reflect and plan your future**
  - 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

### Second Year
- **Explore your major and college requirements**
  - Meet with your major and college advisor to discuss your academic plan
  - Complete the prerequisites and declare Mathematics as your major
  - Consider taking Honors sections of courses
  - Review major guidelines for study abroad

### Third Year
- **Focus on upper division requirements and electives**
  - Review your degree progress with your major and college advisors
  - Learn more about the Honors Program with the help of the Honors Program Advisor

### Fourth Year
- **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

### WHAT CAN I DO WITH MY MAJOR?

#### Jobs and Employers
- Application Programmer, Wells Fargo
- Data Analyst, Descena
- Planner, KNT Manufacturing
- Product Technician, Eurance
- 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 First Destination Survey of recent Berkeley graduates.