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.

The 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.

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– Pure Math Major
**Mathematics - Bachelor of Arts**

**Design Your Journey**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Explore your major</strong></td>
<td><strong>CONNECT and build community</strong></td>
<td><strong>Discover your passions</strong></td>
<td><strong>Engage locally and globally</strong></td>
</tr>
<tr>
<td>Review major and college requirements</td>
<td>Get 1:1 mentoring with Berkeley Connect and L&amp;S Mentors Program</td>
<td>Discover new interests in a Freshman Seminar, L&amp;S 1, or DeCal course.</td>
<td>Attend the Calpalooza student activities fair and get involved with a student organization.</td>
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<td>Map out a 4-year plan on CalCentral</td>
<td>Visit the Office of Undergraduate Research and Scholarships</td>
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<td>Find service opportunities through the Public Service Center.</td>
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<td>Visit the peer advisor blog and talk with Mathematics peer advisors to learn about undergraduate life in the department.</td>
<td>Compete in the Putnam Competition.</td>
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<td>Explore study, internship, and research abroad options with Berkeley Study Abroad.</td>
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<td>Check out MUSA’s LaTeX workshops to learn how to use this important software.</td>
<td>Enroll in a Sophomore Seminar, Big Ideas or Discovery Course.</td>
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<td>Attend the Career Center and Career Counseling Library.</td>
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<td>Sign up for department listserv, attend events</td>
<td>Sign up for a Research Experience for Undergraduates Summer Program or the MSRI Undergraduate Program.</td>
<td>Check out the Career Center Yearly Planner.</td>
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<td>Connect with instructors during office hours.</td>
<td>Connect with a Research Experience for Undergraduates Summer Program or the MSRI Undergraduate Program.</td>
<td>Sign up for a Handshake and CareerMail.</td>
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<td></td>
<td>Work with a graduate student mentor in the Directed Reading Program.</td>
<td>Explore a career in education with CalTeach.</td>
<td>Explore career fields in the Career Connections Networking Series.</td>
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<td>Consider MATH 191, a course which teaches skills for transitioning to upper division math.</td>
<td>Consider MATH 74, a course which teaches skills for transitioning to upper division math.</td>
<td>Meet with a Career Center counselor to discuss your career options and goals.</td>
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<td>Connect with faculty to discuss research opportunities.</td>
<td>Explore career fields through the Career Connections Series or a winter externship.</td>
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<td>Join a career-oriented group like Data Scientists or a research-oriented group like the Berkeley Scientific Journal.</td>
<td>Learn about graduate and professional school.</td>
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<td>Hear guest speakers talk about interesting math topics at Math Mondays.</td>
<td>Explore STEP and learn about upcoming opportunities.</td>
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</tbody>
</table>

**What Can I Do with My Major?**

- **Jobs and Employers**
  - Application Programmer, Wells Fargo
  - Data Analyst, Descena
  - Planner, KNT Manufacturing
  - Product Technician, Earsunec
  - 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.

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