INTRODUCTION TO THE MAJOR

Statisticians help to design data collection plans, analyze data appropriately, and interpret and draw conclusions from their analyses. The Statistics major provides a systematic and thorough grounding in applied and theoretical statistics as well as probability. The UC Berkeley Statistics department has particular strength in Machine Learning, a key ingredient of the emerging field of Data Science. Our department excels at interdisciplinary science. A Statistics Major from Berkeley is an excellent preparation for a career in science or industry, or for further academic study in a wide variety of fields.

STATISTICS BY THE NUMBERS

- 398 Statistics Majors in Spring 2019
- 49% Female Students
- 44.2% International Students
- 60% of Statistics Majors have another major*, the TOP 3 are:
  - 33.7% Economics
  - 25.8% Computer Science
  - 14.0% Applied Math

*Statistics has had the highest percentage of students majoring in an additional major for the past 5 years.

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
Join the Happenings Mailing List to receive information about career fairs, jobs, and events related to the field of statistics.

ADVISING

Staff advisors are available for advising and to assist with enrollment issues during drop-in hours and by appointment. Refer to statistics.berkeley.edu/programs/undergrad/advising.

Check in at the Statistics Front Office in 367 Evans Hall (3rd Floor).

For quick advising questions, email stat-ugrad@berkeley.edu.
For enrollment issues, email stat-enrollments@berkeley.edu.
FAQs: statistics.berkeley.edu/programs/undergrad/major/faq
Stat 001 Piazza Page: piazza.com/class/jua2oaaecxq1o6

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

STATISTICS
Bachelor of Arts

“Statistics has the perfect mix of theory and application and allows me to approach and solve real world problems.”

-- Statistics and French Double Major Alum

AMPLIFY YOUR MAJOR

- Pursue the teaching emphasis in the major if you are interested in teaching statistics and mathematics.
- Participate in a data competition.
- Gain valuable teaching experience by becoming an UGSI.
# Design Your Journey

<table>
<thead>
<tr>
<th><strong>FIRST YEAR</strong></th>
<th><strong>SECOND YEAR</strong></th>
<th><strong>THIRD YEAR</strong></th>
<th><strong>FOURTH YEAR</strong></th>
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<tbody>
<tr>
<td><strong>Explore your major</strong></td>
<td><strong>Apply to the major in the term when you are finishing your last prerequisites.</strong></td>
<td><strong>Meet with a major advisor to check your progress.</strong></td>
<td><strong>Confirm university, campus, and L&amp;S requirements by checking your Academic Progress Report.</strong></td>
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<td>Enroll in Statistics prerequisite courses and prepare for declaring your major. Form study groups with classmates. Start mapping out a 4-year plan of study. Review major and college requirements. Join the Happenings Mailing List to receive the Statistics newsletter.</td>
<td>Review upper division major requirements. If taking STAT 194, consider taking the Adjunct Course offered by SLC. Start designing your Statistics Applied Cluster.</td>
<td>If you have an internship related to statistics, apply for STAT 197 credit. Pursue an emphasis in teaching. Consider doing a senior honors thesis. Transfers: Map out a 2-year plan of study.</td>
<td>Meet with your major advisor to verify completion of major requirements. To graduate with honors, enroll in STAT H195 and write a senior honors thesis.</td>
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<td><strong>Connect and build community</strong></td>
<td><strong>Consider becoming a Reader, Tutor or Lab Assistant for the Statistics Department. Join SUSA and SAAS to connect with Statistics majors. Engage in individual discussions with professors during office hours.</strong></td>
<td><strong>Join campus organizations like the Cal Actuarial League or Data Science Society. Connect with student government and curricular activities through the LEAD Center. Gain valuable teaching experience by becoming a Statistics UGSi.</strong></td>
<td><strong>Become a Golden Bear Orientation Leader and welcome new students to the UC Berkeley campus and community. Apply to become an L&amp;S peer advisor. Attend a seminar series hosted by the department to hear about the latest research in statistics.</strong></td>
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<td>Discover student organizations at Calapalooza. Get matched with a grad student mentor through Berkeley Connect or L&amp;S Mentors Program. Utilize tutoring services at the SLC. Check out the Basic Needs Center and the Recalibrate website.</td>
<td><strong>Join campus organizations like the Cal Actuarial League or Data Science Society. Connect with student government and curricular activities through the LEAD Center. Gain valuable teaching experience by becoming a Statistics UGSi.</strong></td>
<td><strong>Join CalTeach to explore a career in education. Apply for fellowships to fund your own research project. Apply to summer research opportunities, such as SURF Rose Hills/L&amp;S and Haas Scholars Program.</strong></td>
<td><strong>Teach your own DeCal course. Present a statistics research poster at Cal Day or a conference sponsored by the American Statistical Association.</strong></td>
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<td><strong>Discover your passions</strong></td>
<td><strong>Find a mentor and connect with faculty who share your research interests. Apply for the Undergraduate Research Apprenticeship Program. Participate in a data competition. Start looking for research opportunities in statistics for summer or a later term.</strong></td>
<td><strong>Study and intern in Washington D.C. with UCDC or Cal in the Capital. Take classes at another UC or college through a visitor and exchange program. Volunteer for the Statistics Department on Cal Day. Participate in the Big Ideas Contest.</strong></td>
<td><strong>Explore gap year opportunities prior to your next adventure. Apply for a postgraduate fellowship. Go on service trips over spring or winter break with the Alternative Breaks program.</strong></td>
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<td>Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities on campus. Take L&amp;S 1 for an introduction to the College. Explore the intersectionality of disciplines in a Big Ideas course.</td>
<td><strong>Study abroad as a sophomore, junior, or senior with Berkeley Study Abroad. Join Bridging Berkeley to become a math mentor to middle schoolers.</strong></td>
<td><strong>Study and intern in Washington D.C. with UCDC or Cal in the Capital. Take classes at another UC or college through a visitor and exchange program. Volunteer for the Statistics Department on Cal Day. Participate in the Big Ideas Contest.</strong></td>
<td><strong>Find career opportunities with krenchudata or the American Statistical Association.</strong></td>
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<td><strong>Engage locally and globally</strong></td>
<td><strong>Plan for studying abroad and meet with a Study Abroad Advisor. Explore volunteering opportunities on campus. Engage in community service through the Public Service Center.</strong></td>
<td><strong>Apply for a STEM Beyond Summer Internship. Explore post-graduation options at career and graduate school fairs. Attend events sponsored by the Statistics Department and its Industry partners.</strong></td>
<td><strong>Apply for the On-Campus Recruiting program. Update your resume and LinkedIn profile. Apply to graduate school programs.</strong></td>
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**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**
- Actuarial Analyst, Fidelity
- Bioinformatics Programmer, UCSF
- Business Analyst, Wels Fargo Bank
- Consultant, Applied Predictive Tech.
- Credit Analyst, Standard & Poor's
- Data Analyst, Golden State Warriors
- Data Scientist, Capital Group
- Developer, SAP
- Financial Analyst, Abbott Labs.
- Product Technician, Eurance
- Quant. Software Engineer, Two Sigma
- Researcher, Stanford University
- Software Engineer, Intuit
- Staff Advisor, Ernst and Young LLP
- Underwriting Analyst, AIG

**Graduate Programs**
- Artificial Intelligence and Robotics
- Business Administration
- Computational Mathematics
- Computer Science
- Data Science
- Economics
- Financial Engineering
- Investments and Securities
- Management Science & Engineering
- Neurobiology
- Physics
- Quantitative Psychology
- Statistics

**Examples gathered from the First Destination Survey of recent Berkeley graduates.**

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