

Photo credit: Denise Yee

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.

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

Attend a Statistics info session during the **new** student orientation week at the start of your Berkeley studies.

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 in-person appointments.

For quick advising questions, email stat-ugrad@ berkeley.edu.

For enrollment issues, email stat-enrollments@ berkeley.edu.

STATISTICS Bachelor of Arts

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 degree from Berkeley is excellent preparation for a career in science or industry, or for further academic study in a wide variety of fields.

CC Statistics has the perfect mix of theory and application and allows me to approach

WHAT YOU WILL LEARN

Collecting, analyzing, and interpreting data is growing more important every year in nearly every field. Whether you go into business, academia, medicine, journalism, activism, or government, claims about data will profoundly influence your career and the world around you. The Statistics major helps students develop:

- Strong mathematical and critical thinking skills
- The ability to formulate real-world questions quantitatively
- Creative thinking for new kinds of problems
- Computing skills
- Communication and visualization skills

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

Berkeley

Statistics 367 Evans Hall Berkeley CA 94720-3860 statistics.berkeley.edu



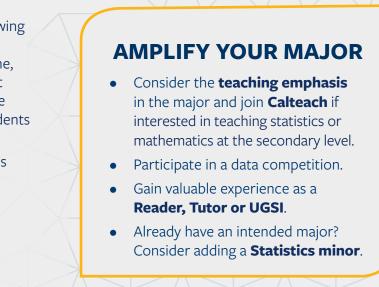


Photo credit: Student Association for Applied Statistics

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and solve real world problems.

-- Statistics and French Double Major Alum



STATISTICS

Bachelor of Arts

DESIGN YOUR JOURNEY

	FIRST YEAR	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Explore your major	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 your major and college requirements . Join the Happenings Mailing List to receive the Statistics newsletter.	Apply to the major in the term when you are finishing your last prerequisites. Review upper division major requirements. If taking STAT 134, consider taking the adjunct course offered by the SLC . Start designing your Statistics Applied Cluster .	Meet with a major advisor to check your progress. 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 .	Confirm university, campus, and L& requirements by checking your Aca Progress Report . Meet with your major advisor to ve completion of major requirements. To graduate with honors , enroll in S and write a senior honor thesis.
Connect and build community	Discover student organizations at Calapalooza . Get matched with a grad student mentor through Berkeley Connect or L&S Mentors Program . Utilize tutoring services at the SLC. Check out the Basic Needs Center and the Recalibrate website.	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.	Join campus organizations like the Cal Actuarial League or Data Science Society . Connect with student government and co- curricular activities through the LEAD Center . Gain valuable teaching experience by becoming a Statistics Undergraduate Student Instructor.	Become a Golden Bear Orientatio and welcome new students to the L campus and community. Apply to become an L&S peer advi Attend a seminar series hosted by department to hear about the latest statistics.
Discover your passions	Visit the Office of Undergraduate Research and Scholarships to learn about research opportunities on campus. Take L&S 1 for an introduction to the College. Explore the intersectionality of disciplines in a Big Ideas course .	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.	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 and Haas Scholars Program .	Facilitate a DeCal course on a topic interested in. Present a statistics research poster or a conference sponsored by the A Statistical Association .
Engage locally and globally	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 .	Study abroad as a sophomore, junior, or senior with Berkeley Study Abroad . Join Bridging Berkeley to become a math mentor to middle schoolers.	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 .	Explore gap year opportunities prior adventure. Apply for a postgraduate fellowshi Go on service trips over spring or w with the Alternative Breaks progra
Reflect and plan your future	 Develop a plan for getting career ready. Visit the Statistics website and join Handshake and BearX to access career resources. Set up a LinkedIn profile and start building your resume. Shadow alumni in the Winter Externship Program. 	Learn about alumni career paths in the Career Connections Networking Series . Conduct informational interviews to learn about different career fields . Get Berkeley Career Engagement help for resumes, portfolios, and interviews. Attend internship fairs .	 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. Update your resume and LinkedIn profile. 	Utilize job board tools in your job s Find career opportunities with icru the American Statistical Associat Find full-time jobs and paid internsh the On-Campus Recruiting progra Apply to graduate and professional programs.



WHAT CAN I DO WITH MY MAJOR?

Jobs and Employers

Actuarial Analyst, Fidelity Business Tech. Consultant, Deloitte Bioinformatics Programmer, UCSF Business Analyst, Wells 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, Esurance 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

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



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