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.

In reflecting on their experience, a graduate of Berkeley Statistics recently noted,

“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

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 5 are:

- 33.7% Economics
- 25.8% Computer Science
- 14.0% Applied Math
- 6.8% Business Administration
- 5.7% Data Science

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

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 Undergraduate Student Instructor.

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.

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/jua820aaxcq1o6

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

APLICITION

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

STATISTICS
Bachelor of Arts

Photo credit: Denise Yee

Visit vcue.berkeley.edu/majormaps for the latest version of this major map.
**FIRST YEAR**
- 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.
- Subscribe to Statistics Newsletter.

**SECOND YEAR**
- Apply to the major in the term when you are finishing your last prerequisites.
- Review upper division major requirements.
- If taking STAT 194, consider taking the Adjunct Course offered by SLC.
- Start designing your Statistics Applied Cluster.

**THIRD YEAR**
- 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.

**FOURTH YEAR**
- Confirm university, campus, and L&S requirements by checking your Academic Progress Report.
- 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.

**WHAT CAN I DO WITH MY MAJOR?**

**Jobs and Employers**
- Actuarial Analyst, Fidelity
- 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
- Statistics

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

**Connect and build community**
- Discover student organizations at Calpalooza.
- 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.

**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.
- 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.

**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.

**Reflect and plan your future**
- Use the Yearly Planner to guide your career path.
- Visit the Statistics website and join Handshake to access career resources.
- Set up a LinkedIn profile and start building your resume.
- Shadow alumni in the Winter Internship Program.
- Learn about alumni career paths in the Career Connections Networking Series.
- Conduct Informational Interviews to learn about different career fields.
- Get Career Center help for resumes, portfolios, and interviews.
- Attend internship fairs.

**Design Your Journey**
- Explore Bachelor of Arts Program
- Shadow alumni in the...