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.

ADVICE

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. FAQ: statistics.berkeley.edu/programs/undergrad/major/faq. Stat 001 Piazza Page: piazza.com/class/jua820aaxcq1o6

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.

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.

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 Design Your Journey

**Bachelor of Arts**

#### First 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.

- **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.

- **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.

- **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.

- **Reflect and plan your future**
  - Check out the Career Center Yearly Planner.
  - 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 Internship Program.

#### Second Year
- **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 SLC.
  - Start designing your Statistics Applied Cluster.

- **Find a mentor**
  - 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 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.

#### 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.
  - Transfer: Map out a 2-year plan of study.

- **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.

- **Apply to fellowships**
  - To fund your own research project.
  - Apply to summer research opportunities, such as SURF Rose Hills/L&S and Haas Scholars Program.

- **Learn about summer opportunities**
  - Such as the UCDC Scholars Program or summer research opportunities.
  - Apply to the UCDC Scholars Program.

- **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.

- **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.

#### 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.

- **Become a Golden Bear Orientation Leader**
  - And welcome new students to the UC Berkeley campus and community.
  - Apply to become an L&S peer advisor.
  - Attend a seminar series hosted by the department to hear about the latest research in statistics.

- **Teach your own DeCal course**
  - Present a statistics research poster at Cal Day or a conference sponsored by the American Statistical Association.

- **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.

- **Find career opportunities**
  - In the American Statistical Association.
  - With the American Statistical Association.
  - With the American Statistical Association.

### 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, Exarance
- 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.