**INRODUCTION 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.

**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.

**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

“**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**

- Consider the teaching emphasis in the major and join Calteach if interested in teaching statistics or mathematics at the secondary level.
- Participate in a data competition.
- Gain valuable experience as a Reader, Tutor, or UGSI.
- Already have an intended major? Consider adding a Statistics minor.
<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
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<tbody>
<tr>
<td>Explore your major</td>
<td>Enroll in Statistics prerequisite courses and prepare for declaring your major.</td>
<td>Meet with a major advisor to check your progress.</td>
<td>Confirm university, campus, and L&amp;S requirements by checking your Academic Progress Report.</td>
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<td>Connect and build community</td>
<td>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.</td>
<td>Review upper division major requirements. If taking STAT 194, consider taking the adjacent course offered by the SLC. Start designing your Statistics Applied Cluster.</td>
<td>Meet with your major advisor to verify completion of major requirements. To graduate with honors, enroll in STAT H95 and write a senior honor thesis.</td>
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<td>Discover your passions</td>
<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>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.</td>
<td>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.</td>
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<td>Engage locally and globally</td>
<td>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.</td>
<td>Study abroad as a sophomore, junior, or senior with Berkeley Study Abroad. Join Bridging Berkeley to become a math mentor to middle schoolers.</td>
<td>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.</td>
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<tr>
<td>Reflect and plan your future</td>
<td>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.</td>
<td>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.</td>
<td>Utilize job search tools from the Career Center. Find career opportunities with icrunchdata or the American Statistical Association.</td>
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### WHAT CAN I DO WITH MY MAJOR?

**Jobs and Employers**
- Actuarial Analyst, Fidelity
- Bioinformatics Programmer, UCSF
- 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.