OUTLINE

- Academic Advising @ UC Davis
- Fall Quarter Preparation
- Non-Major Requirements
- Major Programs & Tracks
- Scheduling and Sample Plans
- Getting Involved & Final Reminders
UC Davis has a decentralized advising structure. You have different advisors for different things (e.g. Financial Aid Office, Internship and Career Center, etc.). In terms of academic advising, you also have two different types of advisors.

**COLLEGE OF LETTERS AND SCIENCE**
Statistics is a major within the College of Letters and Science. Your advisors in the College of Letters and Science Office of the Dean can provide advice on your non-major requirements, academic difficulty, and more. They do not provide advice related to your major.

**DEPARTMENT OF STATISTICS**
Advisors in the Department of Statistics can provide information specific to your major. They can help with academic planning, understanding policies and requirements, getting involved in department programs, etc.

If you don't know where to go, that is okay! Your advisors will refer you to the appropriate office/resource. We are all here to help you make the most of your time at UC Davis and share important resources, organizations, opportunities, etc.
STATISTICS ADVISING

KIM MCMULLEN
Assists students with general academic planning, clarifying department requirements and policies, approving forms and petitions, and providing referrals to campus resources.

ANCHAL, JACOB, AND VANESSA
Offer a peer perspective on course selection, research, internships, change of major and minor information, and navigating campus resources.

FACULTY ADVISOR
Offers advice on the major program, course selection, post-graduation opportunities and research/independent study. They also approve electives and major modifications, and evaluate transfer course articulations.

Meet with any of your advisors by making an appointment or attending their drop-in hours. Details can be found at statistics.ucdavis.edu/undergrad/advising.
FALL QUARTER PREP

01 AGGIE 101
This online program will get you acquainted with how UC Davis is structured, what resources we have to offer, and help you better understand your degree requirements. **Aggie 101 must be complete before Aggie Advising.**

02 AGGIE ADVISING
All incoming transfer students are required to schedule an advising appointment with the Statistics Department staff advisor (Kim McMullen). We will discuss your transfer coursework, major requirements and create a schedule for your first quarter. Please complete this by **August 16th.**

03 REGISTRATION
Transfer students will be assigned a registration period beginning on **August 16th.** You will register using Schedule Builder. This is your first opportunity to register for classes.

04 STATISTICS TRANSFER STUDENT BOOT CAMP
Transfer students will be invited to attend a free virtual boot camp **Sep 8-10th & 13th-15th.** This event is designed to help prepare new students for their fall quarter Statistics courses. All new transfer students are strongly encouraged to attend.

05 Aggie Orientation
Aggie Orientation will be held **September 17th-21st.** You can find out more at orientation.ucdavis.edu/aggie-orientation

This information and more can be found at statistics.ucdavis.edu/undergrad/new-students/transfer.
In addition to your major requirements, you have university, general education, and college requirements. You will learn more about these and other scholarship and residency requirements in Aggie 101, but below is a brief outline.

- **University Requirements**
  - 180 Unit Requirement
  - American History and Institutions Requirement
    - may have already been satisfied by previous high school or college coursework.

- **General Education Requirements (Satisfied by IGETC)**
  - Courses in Topical Breadth (52 units) and Core Literacies (35 units)
  - Find out more at ge.ucdavis.edu/requirements.

- **College Requirements (for students in the College of Letters and Science Only)**
  - 64 Upper Division Unit Requirement
  - College English Composition Requirement (Lower Division & Upper Division)
  - Foreign Language Requirement-AB Degrees ONLY (Satisfied by IGETC)
  - Natural Science and Math Requirement-BS Degrees ONLY (Satisfied by IGETC)
THE MAJOR

GENERAL OVERVIEW

The Statistics major has both a Bachelor of Science (BS) and a Bachelor of Arts (AB). The BS has five different tracks.

In addition to the undergraduate program, the Department of Statistics offers MS and PhD programs in Statistics and houses a Graduate Group in Biostatistics.

LEARNING OUTCOMES

- statistical reasoning and inferential methods
- statistical modeling and its limitations
- interpreting and communicating the results of a statistical analysis
- data analysis using statistical computing tools and software
- probability and the mathematical foundations of statistics
## Major Tracks

<table>
<thead>
<tr>
<th>Applied</th>
<th>General</th>
<th>Statistical Data Science</th>
<th>Computational</th>
<th>Machine Learning</th>
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<tbody>
<tr>
<td>Emphasizes statistical applications. AB or BS options.</td>
<td>Emphasizes statistical theory.</td>
<td>Emphasizes data handling skills.</td>
<td>Emphasizes computing.</td>
<td>Emphasizes statistical learning methods.</td>
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<td><strong>Features</strong></td>
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<td>• core statistics and computer science courses</td>
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<td>• advanced math courses</td>
<td>• specialized data science courses</td>
<td>• specialized machine learning courses</td>
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<td><strong>Units</strong></td>
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<td>AB: 65-71</td>
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<td>82-84</td>
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<td>79</td>
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<td>BS: 75-83</td>
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Additional details can be found on the [Statistics Website](#) and Undergraduate Manual.
GENERAL RECOMMENDATIONS

- Do not take more than two major courses in Fall (or in the future if possible).
- Balance your schedule by taking 1-2 non-major courses.
- Take advantage of First-Year Seminars and First-Year Aggie Connections.
- You need at least 12 units to be considered a full-time student.

TYPICAL SCHEDULE

1. MAJOR COURSE
2. MAJOR COURSE
3. NON-MAJOR COURSE
4. SEMINAR
TOTAL UNITS: 12-15

ONLINE RESOURCE LINKS

- Schedule Builder
  - sisweb.ucdavis.edu
- First Year Seminars
  - fys.ucdavis.edu
- First Year Aggie Connections
  - aggieconnect.ucdavis.edu
SAMPLE SCHEDULES

MAJOR CHECKLISTS AND SAMPLE PLANS

- The Undergraduate Manual includes sample schedules for each of the Statistics major tracks.
  - These sample schedules assume you have completed all preparatory subject matter and only include the Statistics major requirements.

INDIVIDUALIZED SAMPLE PLANS & AGGIE ADVISING

- Your advisor will email you individualized sample plans before your Aggie Advising appointment after she has reviewed your transfer coursework.
- During Aggie Advising you will discuss the individualized plans and create a schedule for Fall quarter.
GETTING INVOLVED

CLUBS TO JOIN

- Data Science Club
- Women in Data
- Moneyball Club
- & 800+ More!

RESEARCH

- Statistics students work with Statistics faculty as well as with faculty all over campus. Students working with Statistics faculty can get academic credit (STA 199) for their research to replace a major requirement.

STAYING INFORMED

- Read the Statistics Newsletter!
  - You will be automatically enrolled in the Statistics Newsletter. Get updates on department events, internships, and other important announcements.
Prerequisite Petitions
- If UC Davis does not have your updated records or if the course equivalencies are not articulated correctly, you may be required to submit a Prerequisite Petition in Schedule Builder before you can register for a course. Prerequisites are taken very seriously by our department. Please be sure that your Prerequisite Petitions are thorough and provide documentation.

Unit Caps
- During Pass 1 Registration you are capped from registering for more than 17 units. You can register beyond 17 units during Pass 2 Registration and Schedule Adjustment, but it is not recommended during your first quarter.

10-Day or 20-Day Drop Deadlines
- All courses at UC Davis either have a 10-Day or 20-Day drop deadline. This means that you only have the opportunity to drop that course through the 10th day or 20th day of instruction. All Statistics courses have 10-Day drop deadlines. Dropping a course after its drop deadline can only be granted for extreme situations by the Letters and Science Office of the Dean.
FINAL REMINDERS

• **Mandatory Advising**
  ○ Statistics transfer students are required to meet with a statistics advisor in both their first and second years at UC Davis. You will receive an e-mail with more information about what you need to do to fulfill your mandatory advising requirement.

• **Office Hours**
  ○ Statistics students are expected to go to office hours as often as they can. There is no additional support for upper division STA courses (tutoring, etc.) so attendance at office hours is vital.

• **Read your UC Davis Emails!**
  ○ Your advisors will be emailing you throughout the Summer and Fall with important information. This is the main way UC Davis staff and faculty contact students.
QUESTIONS?
CAREER OPPORTUNITIES

FUTURE CAREERS

Statistics students work in diverse roles in academics, government, and industry.

Sample Employers
- Facebook
- Nielsen
- Public Policy Institute of California
- Blizzard Entertainment
- Google
- Kaiser Permanente
- Survey Monkey
- Wells Fargo

Career Possibilities
- Statistician/Biostatistician in government and industry
- Data Scientist
- Researcher
- Business Analyst
- Actuarial Analyst
- Statistical Consultant for business and industries
- College/University Faculty
Graduate School Options

- Statistics students attend a wide variety of degree programs after graduation. It is important to research the various degree programs that interest you as they may require additional prerequisites beyond your major requirements.
  - **Examples:**
    - Statistics
    - Biostatistics
    - Data Science
    - Machine Learning
    - Quantitative Finance
    - Business Analytics
    - Epidemiology and Public Health Sciences
    - Economics

- **Graduate School Resources**
  - Pre-Grad Advising Office: Offers workshops, advising, information sessions and more!
  - Statistics Faculty Advisor: If you are interested in a graduate program related to Statistics, you can meet with our faculty advisor to discuss your plans, get course recommendations, etc.