

**STATISTICS AND DATA SCIENCE MAJOR, B.A. – 2023-2024**

To be admitted to the full major, students must complete all pre-major courses with a 2.5 or higher UC grade-point average. All pre-major courses must be completed with a grade of “C” or better. Students are permitted to repeat a maximum of two pre-major courses. Only one repeat is allowed in each course. In the case of a letter grade below C, students must repeat the course at UCSB. Preparation courses are excluded from the pre-major GPA, but will apply to the overall major GPA. Students must complete Computer Science 8 and either 9 or 16 with a grade of “C” or better. Entry into the pre-major does not guarantee admission to full major status. While completing required preparation, students are classified as a Pre-Statistics and Data Science major.

<b><u>PRE-MAJOR</u></b>	<b><u>UNITS TO COMPLETE</u></b>
Math 2A-B or 3A-B, 4A-B, 6A .....	20-22 _____
Math 8 or PSTAT 8* .....	5 _____
PSTAT 10 .....	5 _____

**\*Note:** - Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better to take Math 8 or PSTAT 8.  
- Math 8 is a prerequisite for all upper division Math courses except Math 117, 104A, 104B, and 104C. If you plan to take additional upper division Math courses, you must take Math 8.

**PREPARATION FOR THE MAJOR**

Computer Science 8 and either 9 or 16 .....	8 _____
---	---------

**Note:** CMPSC 9 is recommended over CMPSC 16. Also, students cannot get credit for CMPSC 8 at UCSB if transferring in credit for CMPSC 9 or 16, so please see the Department advisors in such instances.

**UPPER-DIVISION MAJOR**

36 UD units in PSTAT and Mathematics are required, distributed as follows:

A. PSTAT 120A (or W 120A), 120B and 126 .....	12 _____
B. 20 units from elective PSTAT courses .....	20 _____
C. 4 units from: other PSTAT courses not used above; Math 104A-B-C, 108A-B, 111A-B-C, 117, 118A-B-C, 132A-B; Econ 100B, 101 .....	4 _____

**Note:** Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 182T (or W 182T), 193 will NOT apply to the major.

**Guide to PSTAT Courses:**

- Probability and Statistics Theory: PSTAT 120A-B-C
- Data Science and Applied Statistics courses: PSTAT 100, 105, 115, 122, 126, 127, 130, 131, 132, 134, 135, 174, 175, 197A-B-C
- Actuarial and Financial Mathematics courses: PSTAT 170, 171, 172A-B, 173, 176, 183
- Stochastic Modelling courses: PSTAT 160A-B
- For students preparing to continue to graduate school: PSTAT 160A-B, PSTAT 199 (research), and at least one UD Math course (Math 117 and/or Math 108A) is highly recommended

**MAJOR REGULATIONS**

<b>PREREQUISITES</b> .....	Check the <i>General Catalog</i> for the prerequisites to all listed courses.
<b>P/NP GRADING OPTION</b> .....	Not allowed for any major course (prep or UD major), including courses applied to the major from other departments.
<b>SUBSTITUTIONS</b> .....	In the major requirements permissible only by petition to the department chair and dean.
<b>G.P.A. REQUIREMENTS</b> .....	At least 2.0 overall UC average in <b>all</b> upper-division major courses <u>and</u> <b>all</b> courses (Prep and UD) for the major.
<b>DOUBLE MAJORS</b> .....	With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.