**STATISTICS AND DATA SCIENCE MAJOR, B.S. – 2020-2021**

**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>UNITS YET TO COMPLETE</th>
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<tr>
<td>Math 2A-B or 3A-B, and 4A-B</td>
<td>16-18</td>
</tr>
<tr>
<td>Math 6A and Math 8*</td>
<td>9</td>
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<tr>
<td>Computer Science 16 (Students need to take Computer Science 8 as a prerequisite for 16)</td>
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<tr>
<td>PSTAT 10</td>
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</table>

**Notes:** Math 2A-B or 3A-B, 4A-B, and PSTAT 10 must be completed with a grade of C or better.
Math 8 must be completed with a grade of C or better for the Probability and Statistics concentration.
* Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take Math 8.

**UPPER-DIVISION MAJOR**

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

A. PSTAT 120A (or W 120A), 120B ................................................................. 8
B. PSTAT 122 and 126................................................................. 8
C. 24 units from elective PSTAT courses ............................................................. 24

**Note:** Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 193 will NOT apply to the major.

**Guide to PSTAT Courses:**
- **Probability and Statistics, Theory:** PSTAT 120A-B-C
- **Data Science and Applied Statistics core courses:** PSTAT 105, 115, 122, 126, 127, 130, 131, 132, 134, 135, 174, 175
- **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 and at least one UD Math course (Math 117 and/or Math 108A) is highly recommended

**MAJOR REGULATIONS**

**PREREQUISITES**...............................Check the *General Catalog* for the prerequisites to all listed courses.

**P/NP GRADING OPTION**.................Not allowed for any major course (prep or UD major), including courses applied to the major from other departments.

**SUBSTITUTIONS**..............................In the major requirements permissible only by petition to the department chair and dean.

**RESIDENCE REQUIREMENTS**..............At least 20 UD units in major while in residence at UCSB.

**G.P.A. REQUIREMENTS**....................At least 2.0 overall UC average in all upper-division major courses and all courses (Prep and UD) for the major.

**DOUBLE MAJORS**...........................With the approval of each department chairperson, up to a total of 8 units may be applied simultaneously to both UD majors.