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

PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet To Complete</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<tr>
<td>PSTAT 10</td>
<td>5</td>
</tr>
<tr>
<td>Computer Science 16</td>
<td></td>
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</tbody>
</table>

Notes: Math 2A-B or 3A-B, and Math 4A must be completed with a grade of C or better.
Math 8 must be completed with a grade of C or better to take PSTAT 160A.
* 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

40 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. 8 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 ................................................. 8

Notes: Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 193 will NOT apply to the major.
With an advisor’s approval, 4 of the 40 units may be from courses in subjects other than Statistics or Mathematics, taken as part of a coherent statistical program.

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.