# STATISTICAL SCIENCE MAJOR, B.S. – 2018-2019

## PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course Description</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>Computer Science 16 (Students need to take Computer Science 8 as a prerequisite for 16)</td>
<td>4</td>
</tr>
<tr>
<td>PSTAT 10</td>
<td>5</td>
</tr>
</tbody>
</table>

**Notes:** Math 2A-B or 3A-B, 4A-B, and PSTAT 10 must be completed with a grade of C or better.

* 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, 120C.......................................................... 12

B. PSTAT 122 and 126......................................................................................... 8

C. One of the following two concentrations:
   - **Applied Statistics Concentration:**
     - 8 units from PSTAT 123, 131, 140, 174, 175 ........................................ 8
     - PSTAT 130.................................................................................................. 4
     - 12 units elective PSTAT courses**......................................................... 12
   - **Probability and Statistics Concentration:**
     - PSTAT 160A-B......................................................................................... 8
     - 16 units elective PSTAT courses**......................................................... 16

D. 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, 134A-B.................................................. 8

** Up to 4 of the elective units may be chosen from courses in related departments, approved by the major advisor as part of a coherent statistics program.

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

## 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, including courses in excess of minimum requirements.

### DOUBLE MAJORS

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