# STATISTICAL SCIENCE MAJOR, B.S. – 2002-2003

## PREPARATION FOR THE MAJOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Units Yet to Complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Math 3A-B-C</td>
<td>12</td>
</tr>
<tr>
<td>Math 5A-B and Math 8</td>
<td>13</td>
</tr>
<tr>
<td>Computer Science 5JA and 10</td>
<td>8</td>
</tr>
</tbody>
</table>

## UPPER-DIVISION MAJOR

Required for all concentrations: 52 UD units in PSTAT and Mathematics are required, distributed as follows:

A. PSTAT 120A-B-C ......................................................... 12

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

C. One of the following three concentrations:

   Actuarial Statistics Concentration:
   - 12 units from PSTAT 171, 172A-B, 173 .......................... 12
   - 12 units elective PSTAT courses ................................ 12

   Applied Statistics Concentration:
   - 8 units from PSTAT 123, 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 in Areas A, B, or C above, or Math 104A-B-C,
   108A-B, 111A-B-C, 117, 118A-B-C, 132A-B; Economics 100A-B or 104A-B .............................. 8

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

**Note:** PSTAT 133A-B-C, and Math 100A-B, 101A-B, 102A-B, 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 average in a) all UD major courses; and b) all major courses (Prep and UD) while in UC.

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