To be admitted to full major status, students must complete the following pre-major Mathematics courses with a UC grade-point average of 2.5 or higher:

<table>
<thead>
<tr>
<th>PRE-MAJOR</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-C</td>
<td>12</td>
</tr>
<tr>
<td>Math 8</td>
<td>5</td>
</tr>
<tr>
<td>Computer Science 10 or one course from Computer Science 5AA-ZZ or Engineering 3 (excluded from pre-major GPA, but will apply to the overall major GPA)</td>
<td>3-4</td>
</tr>
<tr>
<td>Physics 1, 6A, or 21 (excluded from pre-major GPA, but will apply to the overall major GPA)</td>
<td>3-4</td>
</tr>
</tbody>
</table>

**UPPER-DIVISION MAJOR**

52 UD units are required, at least 40 of which must be in Mathematics. These units must be distributed as follows:

- Math 111C or 118C ................................................................. 4
- Math 145 or 147A ................................................................. 4
- 12 upper-division units of Math and PSTAT electives* ................................................................. 12

Elective courses taken: ____________________________________________

*Note: The following courses will **NOT** apply to the major: Math 100A-B, 193, 195A-B; PSTAT 133A-B-C and 193.

(With an advisor’s approval, 4 of the 52 UD units may be non-mathematics courses taken as part of a coherent mathematics program.)

**MAJOR REGULATIONS**

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

**P/NP GRADING OPTION** Not allowed for major courses (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.