ACTUARIAL SCIENCE MAJOR, B.S. – 2022-2023

Students must complete all pre-major courses with a 2.5 or higher UC grade-point average. All pre-major courses must be completed with a grade of “C” or better. Students are permitted to repeat up to a maximum of two pre-major courses. Only one repeat is allowed in each course. In the case of a letter grade below C, students must repeat the course at UCSB. Preparation courses are excluded from the pre-major GPA, but will apply to the overall major GPA. Students must complete Computer Science 8 and either 9 or 16 with a grade of “C” or better. Entry into the pre-major does not guarantee admission to full major status. While completing required preparation, students are classified as a Pre-Actuarial Science major.

**PRE-MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units to Complete</th>
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<tbody>
<tr>
<td>Math 2A-B or 3A-B, 4A-B, 6A-B</td>
<td>24-26</td>
</tr>
<tr>
<td>Math 8 or PSTAT 8*</td>
<td>5</td>
</tr>
<tr>
<td>PSTAT 10</td>
<td>5</td>
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</tbody>
</table>

*Note: Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take Math 8 or PSTAT 8. Math 8 is a prerequisite for all upper division Math courses except Math 117, 104A, 104B, and 104C. If you plan to take additional upper division Math courses, you must take Math 8.

**PREPARATION FOR THE MAJOR**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units to Complete</th>
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</thead>
<tbody>
<tr>
<td>Computer Science 8 and either 9 or 16</td>
<td>8</td>
</tr>
<tr>
<td>Writing 107A or 107B</td>
<td>4</td>
</tr>
</tbody>
</table>

Recommended courses: Econ 1, 2, 3A (fulfills VEE), and Phil 3 or 4. CMPSC 9 is recommended over CMPSC 16.

**UPPER-DIVISION MAJOR**

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

A. PSTAT 120A (or W 120A), 120B | 8 |
B. PSTAT 126, 160A, 174 | 12 |
C. PSTAT 170, 171, 172A, and 160B or 172B | 16 |
D. 8 units from: PSTAT 105, 120C, 127, 130, 131, 160B or 172B (not used in Area C), 173, 175, 176, 183 | 8 |

Recommended electives:
Econ 134A (VEE), 130 (SAS)
For SOA track: PSTAT 172B, 173, 175, 131
For CAS track: PSTAT 127, 131, 160B, 173, 183

**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.

**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.