

ACTUARIAL SCIENCE MAJOR, B.S. – 2024-2025

To be admitted to the full major, 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 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

UNITS TO COMPLETE

Math 2A-B or 3A-B, 4A-B, 6A-B	24-26
Math 8 or PSTAT 8*	5
PSTAT 10	5

- *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

Computer Science 8 (or W 8) and either 9 or 16	8
Writing 107A or 107B	4

Note: CMPSC 9 is recommended over CMPSC 16. Also, students cannot get credit for CMPSC 8 at UCSB if transferring in credit for CMPSC 9 or 16, so please see the Department advisors in such instances.

Other recommended courses: Econ 1, 2, 3A, 10A (fulfills VEE), and Phil 3 or 4.

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 (or W 160A), 174 (or W 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
E. 4 units from: other PSTAT courses not used above; Math 104A-B-C, 108A-B, 117, 118A-B-C, 124A-B, 132A-B; Econ 100B, 101, 134A-B, 141, 155, 170, 171	4

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, 182T (or W 182T), 193 will NOT apply to the major.

MAJOR REGULATIONS

PREREQUISITESCheck the *General Catalog* for the prerequisites to all listed courses.

P/NP GRADING OPTIONNot allowed for any major course (prep or UD major), including courses applied to the major from other departments.

SUBSTITUTIONSIn the major requirements permissible only by petition to the department chair and dean.

G.P.A. REQUIREMENTSAt least 2.0 overall UC average in **all** upper-division major courses **and** **all** courses (Prep and UD) for the major.

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