

Financial Mathematics and Statistics, B.S. – 2025-2026

This recommended schedule is just an example and should be used as a guide. Please note that it does not account for any general education, university, or unit requirements outside the major.

FIRST YEAR		
Fall MATH 2A or 3A (4-5 units) ECON 1 (4 units)	Winter MATH 2B or 3B (4-5 units) CMPSC 8 or ENGR 3 (4 units) * ECON 2 (4 units)	Spring MATH 4A (4 units) ECON 10A (5 units)
SECOND YEAR		
Fall MATH 6A (4 units) PSTAT 10 (5 units) MATH 4B (4 units)	Winter MATH 8 (or PSTAT 8) (5 units)** MATH 6B (4 units)	Spring PSTAT 120A (4 units)
THIRD YEAR		
Fall PSTAT 120B (4 units) PSTAT 160A (4 units)	Winter PSTAT 160B (4 units) PSTAT 126 (4 units)	Spring MATH 117 (4 units) PSTAT ELECTIVE
FOURTH YEAR		
Fall MATH 104A (4 units) PSTAT 170 (4 units)	Winter MATH 104B (4 units) PSTAT ELECTIVE	Spring MATH 104C (4 units) PSTAT ELECTIVE

Important Information

12 Elective units from:

ECON: 100B, 101, 130, 134A-B, 140B, 141, 171, 181

MATH: 108A-B, 114, 124A-B, 132A

PSTAT: 120C, 130, 131, 132, 134, 135, 171, 173, 174, 176

- **PSTAT 171** is a recommended elective in preparation for PSTAT 170 (an upper division course requirement).

Please see the General Catalog for prerequisite information and elective PSTAT course offerings.

*Only one of the following courses is required: CMPSC 8 (Python), CMPSC 9 (Python), CMPSC 16 (C++), or ENGR 3 (Matlab). Students are encouraged to take more than one CMPSC course if their schedule allows.

**Either MATH 4A, 4B, 6A, or 6B must be completed with a grade of 'B' or higher to meet the prerequisite for PSTAT 8/MATH 8. PSTAT 8 meets the PSTAT 8/MATH 8 prerequisite for PSTAT 160A and MATH 117 only. If you plan to take upper division MATH courses other than MATH 117 and MATH 104ABC, you must take MATH 8. PSTAT 8 is not open to students who have already received credit for MATH 8.

Upper Division Course Registration: All upper division PSTAT courses (other than PSTAT 120A) are restricted to full PSTAT majors only during Pass 1 and Pass 2. PSTAT pre-majors and Statistical Science minors may enroll during Pass 3.

Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 182T (or W 182T), 193 will not apply to the major.

Financial Mathematics and Statistics, B.S. – 2025-2026 (Transfer Students)

This recommended schedule is just an example and should be used as a guide. Please note that it does not account for any general education, university, or unit requirements outside the major.

The recommendations below assume the student has completed all lower division MATH and CMPSC coursework at their previous institution: MATH 3AB, 4AB, and 6AB, CMPSC 8/9/16 or ENGR 3, ECON 1/2/3A.

PSTAT 8 (or MATH 8) and PSTAT 10 must be completed at UCSB if not completed at the student's previous institution.

All incoming transfer students will receive a personalized recommended schedule based on their incoming coursework prior to enrolling in their first quarter at UCSB.

TRANSFER YEAR 1		
<u>Fall</u> PSTAT 120A (4 units) PSTAT 10 (5 units) MATH 8 (or PSTAT 8) (5 units)**	<u>Winter</u> ECON 10A (5 units) PSTAT 160A (4 units) PSTAT 120B (4 units)	<u>Spring</u> PSTAT 126 (4 units) PSTAT 160B (4 units) MATH 117 (4 units)
TRANSFER YEAR 2		
<u>Fall</u> MATH 104A (4 units) ELECTIVE ELECTIVE	<u>Winter</u> MATH 104B (4 units) PSTAT 170 (4 units)	<u>Spring</u> MATH 104C (4 units) ELECTIVE

Important Information

12 Elective units from:

ECON: 100B, 101, 130, 134A-B, 140B, 141, 171, 181

MATH: 108A-B, 114, 124A-B, 132A

PSTAT: 120C, 130, 131, 132, 134, 135, **171**, 173, 174, 176

- **PSTAT 171** is a recommended elective in preparation for PSTAT 170 (an upper division course requirement).

Please see the General Catalog for prerequisite information and elective PSTAT course offerings.

**Only one of the following courses is required: CMPSC 8 (Python), CMPSC 9 (Python), CMPSC 16 (C++), or ENGR 3 (Matlab). Students are encouraged to take more than one CMPSC course if their schedule allows.*

***Either MATH 4A, 4B, 6A, or 6B must be completed with a grade of 'B' or higher to meet the prerequisite for PSTAT 8/MATH 8. PSTAT 8 meets the PSTAT 8/MATH 8 prerequisite for PSTAT 160A and MATH 117 only. If you plan to take upper division MATH courses other than MATH 117 and MATH 104ABC, you must take MATH 8. PSTAT 8 is not open to students who have already received credit for MATH 8.*

Upper Division Course Registration: All upper division PSTAT courses (other than PSTAT 120A) are restricted to full PSTAT majors only during Pass 1 and Pass 2. PSTAT pre-majors and Statistical Science minors may enroll during Pass 3.

Math 100A-B, 101A-B, 102A-B, 193; PSTAT 109, 182T (or W 182T), 193 will not apply to the major.