

Financial Mathematics and Statistics, B.S. – 2024-2025

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		
<u>Fall</u> MATH 2A or 3A (4-5 units) ECON 1 (4 units)	<u>Winter</u> MATH 2B or 3B (4-5 units) CMPSC 8 or ENGR 3 (4 units) * ECON 2 (4 units)	<u>Spring</u> MATH 4A (4 units) ECON 10A (5 units)
SECOND YEAR		
<u>Fall</u> MATH 6A (4 units) PSTAT 10 (5 units) MATH 4B (4 units)	<u>Winter</u> MATH 8 (or PSTAT 8) (5 units)** MATH 6B (4 units)	<u>Spring</u> PSTAT 120A (4 units)
THIRD YEAR		
<u>Fall</u> PSTAT 120B (4 units) PSTAT 160A (4 units)	<u>Winter</u> PSTAT 160B (4 units) PSTAT 126 (4 units)	<u>Spring</u> MATH 117 (4 units) PSTAT ELECTIVE
FOURTH YEAR		
<u>Fall</u> MATH 104A (4 units) PSTAT 170 (4 units)	<u>Winter</u> MATH 104B (4 units) PSTAT ELECTIVE	<u>Spring</u> 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. – 2024-2025 (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.