

Actuarial Science, B.S./M.S. – 2023-2024

! **B.S./M.S. Track:** For Actuarial Science students pursuing the B.S./M.S. program. This schedule recommends completing VEE Credit and/or taking Actuarial exams while at UCSB.

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) WRITING 2 (4-5 units) ECON 1 (4-5 units)* - Microeconomics VEE	Winter MATH 2B OR 3B (4-5 units) CMPSC 8 (4 units) ECON 2 (4-5 units)* - Macroeconomics VEE	Spring MATH 4A (4 units) CMPSC 9 (or 16) (4 units) ECON 3A (4-5 units)* - Accounting VEE
SECOND YEAR		
Fall MATH 6A (4 units) PSTAT 10 (4 units) MATH 4B (4 units)	Winter PSTAT 8 or MATH 8 (5 units)** MATH 6B (4 units) ECON 10A (5 units)* - Prerequisite for ECON 134A	Spring PSTAT 120A (4 units) - Exam P
THIRD YEAR		
Fall PSTAT 120B (4 units) - Exams P, ASTAM - Mathematical Statistics VEE PSTAT 171 (4 units) - Exam FM	Winter PSTAT 126 (4 units) - Exams SRM, MAS I PSTAT 160A (4 units) - Exams MAS I, MAS II PSTAT 120C (4 units) - Exams ASTAM, MAS I	Spring WRITING 107B (4 units) PSTAT 160B (4 units) - Exams SRM, MAS I PSTAT 130 (4 units)
FOURTH YEAR		
Fall PSTAT 274 (4 units) - Exams SRM, MAS I PSTAT 170 (4 units) - Exam FAM	Winter PSTAT 172A (4 units)*** - Exam FAM PSTAT 231 (4 units) - Exams SRM, MAS I, MAS II	Spring PSTAT 172B (4 units)*** - Exams FAM, ALTAM BS ELECTIVE (4 units) - ECON 134A* : Finance VEE
FIFTH YEAR		
Fall PSTAT 296A (4 units)*** PSTAT 213A (4 units) MS Elective (4 units) PSTAT 263 (1 unit Seminar)	Winter PSTAT 296B (4 units)*** MS Elective (4 units) PSTAT 263 (1 unit Seminar)	Spring PSTAT 276 (4 units)*** MS Elective (4 units) PSTAT 263 (1 unit Seminar)

Important Information

BS Elective: 4 units from: PSTAT 105, 127, 173, 175, 183***, MATH 104A-B-C, 108A-B, 117, 118A-B-C, 124A-B, 132A-B, ECON 100B, 101, 134A-B, 141, 155, 170, 171

MS Electives: 12 units required. MS Electives must be approved by Actuarial Science Director.

Recommended Electives: ECON 134A

- For SOA Track: 173, 175 183
- For CAS Track: 127, 173, 183

***ECON 1, ECON 2, ECON 3A, ECON 10A, and ECON 134A, while not required by the Actuarial Science major, are highly recommended for those interested in earning VEE Credit while at UCSB.** The ECON 134A prerequisites for Actuarial Science majors are as follows: ECON 10A and PSTAT 126 (or PSTAT 174). Students will need to request course clearance with the Economics Department to enroll.

****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.**

*****Select courses are only offered once per academic year. See tentative schedule on the PSTAT Website for more information on course offerings.**

PSTAT 296A: Fall quarter only

PSTAT 172A, PSTAT 183, and PSTAT 296B: Winter quarter only

PSTAT 172B and PSTAT 276: Spring quarter only

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

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.

Preparation Coursework for Exams

P: 120A, 120B

FM: 171

FAM: 170, 172A, 172B, 173, 183

ASTAM: 120B, 120C, 173, 183

ALTAM: 172B

SRM: 126, 131, 174

PA: 131

MAS I: 120B, 120C, 126, 131, 160A, 172A, 173, 174

MAS II: 131, 160A, 173

VEE Credit:

Economics:

ECON 1 (Microeconomics)

ECON 2 (Macroeconomics)

Accounting and Finance:

ECON 3A (Accounting)

ECON 134A (Finance)

Mathematical Statistics:

PSTAT 120B

Must earn a B- or higher in each course to receive the associated VEE credit.

Actuarial Science, B.S./M.S. – 2023-2024 (Transfer Students)

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! The recommendations below assume the student has completed all lower division MATH and CMPSC coursework at their previous institution: MATH 3AB, 4AB, and 6A, CMPSC 8 and 9 (or 16).

! 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		
Fall PSTAT 120A (4 units) - Exam P PSTAT 8 or MATH 8 (5 units) PSTAT 10 (5 units)	Winter PSTAT 120B (4 units) - Exams P, ASTAM - Mathematical Statistics VEE PSTAT 171 (4 units) - Exam FM ECON 10A (5 units)* - Prerequisite for ECON 134A	Spring PSTAT 126 (4 units) - Exams SRM, MAS I PSTAT 160A (4 units) - Exams MAS I, MAS II PSTAT 120C (4 units) - Exams ASTAM, MAS I
TRANSFER YEAR 2		
Fall WRITING 107B (4 units) PSTAT 274 (4 units) - Exams SRM, MAS I PSTAT 160B – Area D	Winter PSTAT 172A (4-5 units)*** - Exam FAM PSTAT 170 (4 units) - Exam FAM PSTAT 231 (4 units) - Exams SRM, MAS I, MAS II	Spring PSTAT 172B (4 units)*** - Exams FAM, ALTAM PSTAT 130 (4 units) PSTAT ELECTIVE – Area E - ECON 134A* : Finance VEE
TRANSFER YEAR 2		
Fall PSTAT 296A (4 units)*** PSTAT 213A (4 units) MS Elective (4 units) PSTAT 263 (1 unit Seminar)	Winter PSTAT 296B (4 units)*** MS Elective (4 units) PSTAT 263 (1 unit Seminar)	Spring PSTAT 276 (4 units)*** MS Elective (4 units) PSTAT 263 (1 unit Seminar)

Important Information

BS Elective: 4 units from: PSTAT 105, 127, 173, 175, 183***, MATH 104A-B-C, 108A-B, 117, 118A-B-C, 124A-B, 132A-B, ECON 100B, 101, 134A-B, 141, 155, 170, 171

MS Electives: 12 units required. MS Electives must be approved by Actuarial Science Director.

Recommended Electives: ECON 134A

- For SOA Track: 173, 175, 183
- For CAS Track: 127, 173, 183

***ECON 1, ECON 2, ECON 3A, ECON 10A, and ECON 134A, while not required by the Actuarial Science major, are highly recommended for those interested in earning VEE Credit while at UCSB.** The ECON 134A prerequisites for Actuarial Science majors are as follows: ECON 10A and PSTAT 126 (or PSTAT 174). Students will need to request course clearance with the Economics Department to enroll.

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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.

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Preparation Coursework for Exams

P: 120A, 120B

FM: 171

FAM: 170, 172A, 172B, 173, 183

ASTAM: 120B, 120C, 173, 183

ALTAM: 172B

SRM: 126, 131, 174

PA: 131

MAS I: 120B, 120C, 126, 131, 160A, 172A, 173, 174

MAS II: 131, 160A, 173

VEE Credit:

Economics:

ECON 1 (Microeconomics)

ECON 2 (Macroeconomics)

Accounting and Finance:

ECON 3A (Accounting)

ECON 134A (Finance)

Mathematical Statistics:

PSTAT 120B

Must earn a B- or higher in each course to receive the associated VEE credit.