

## Actuarial Science, B.S. – 2024-2025 (VEE/Exam Track)

**Career Track:** For Actuarial Science students wishing to earn VEE Credit and/or take 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		
<u>Fall</u> <b>MATH 2A or 3A</b> (4-5 units) <b>WRITING 2</b> (4-5 units) <b>ECON 1</b> (4-5 units)* - Microeconomics VEE	<u>Winter</u> <b>MATH 2B OR 3B</b> (4-5 units) <b>CMPSC 8</b> (4 units) <b>ECON 2</b> (4-5 units)* - Macroeconomics VEE	<u>Spring</u> <b>MATH 4A</b> (4 units) <b>CMPSC 9 (or 16)</b> (4 units) <b>ECON 3A</b> (4-5 units)* - Accounting VEE
SECOND YEAR		
<u>Fall</u> <b>MATH 6A</b> (4 units) <b>PSTAT 10</b> (4 units) <b>MATH 4B</b> (4 units)	<u>Winter</u> <b>PSTAT 8 or MATH 8</b> (5 units)** <b>MATH 6B</b> (4 units) <b>ECON 10A</b> (5 units)* - Prerequisite for ECON 134A	<u>Spring</u> <b>PSTAT 120A</b> (4 units) - Exam P
THIRD YEAR		
<u>Fall</u> <b>PSTAT 120B</b> (4 units) - Exams P, ASTAM - Mathematical Statistics VEE <b>PSTAT 171</b> (4 units) - Exam FM	<u>Winter</u> <b>PSTAT 160A</b> (4 units) - Exams MAS I, MAS II <b>PSTAT 126</b> (4 units) - Exams SRM, MAS I	<u>Spring</u> <b>WRITING 107B</b> (4 units) <b>PSTAT 170</b> (4 units) - Exam FAM
FOURTH YEAR		
<u>Fall</u> <b>PSTAT 174</b> (4 units) - Exams SRM, MAS I <b>PSTAT ELECTIVE – Area D</b>	<u>Winter</u> <b>PSTAT 172A</b> (4 units)*** - Exam FAM <b>PSTAT ELECTIVE – Area D</b>	<u>Spring</u> <b>PSTAT 172B or 160B</b> (4 units)*** - PSTAT 172B: Exams FAM, ALTAM <b>PSTAT ELECTIVE – Area E</b> - ECON 134A*: Finance VEE

### 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.*

### Important Information

**Area D:** 8 units from: PSTAT 105, 120C, 127, 130, 131, 160B or 172B (not used in Area C), 173, 175, 176, 183\*\*\*

**Area 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

Recommended Electives: ECON 134A, PSTAT 130

- For SOA Track: 120C, 131, 172B, 173, 175 183

- For CAS Track: 127, 131, 160B, 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 172A:** Winter quarter only

**PSTAT 172B and PSTAT 183:** 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.**

## Actuarial Science, B.S. – 2024-2025 (VEE/Exam Track for Transfer Students)

**Career Track:** For Actuarial Science students wishing to earn VEE Credit and/or take 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.*

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		
<u>Fall</u> <b>PSTAT 120A</b> (4 units) - Exam P <b>PSTAT 8 or MATH 8</b> (5 units)** <b>PSTAT 10</b> (5 units)	<u>Winter</u> <b>PSTAT 120B</b> (4 units) - Exams P, ASTAM - Mathematical Statistics VEE <b>PSTAT 171</b> (4 units) - Exam FM <b>ECON 10A</b> (5 units)* - Prerequisite for ECON 134A	<u>Spring</u> <b>PSTAT 126</b> (4 units) - Exams SRM, MAS I <b>PSTAT 160A</b> (4 units) - Exams MAS I, MAS II <b>PSTAT ELECTIVE – Area D</b>
TRANSFER YEAR 2		
<u>Fall</u> <b>WRITING 107B</b> (4 units) <b>PSTAT 174</b> (4 units) - Exams SRM, MAS I <b>PSTAT ELECTIVE – Area D</b>	<u>Winter</u> <b>PSTAT 172A</b> (4-5 units)*** - Exam FAM <b>PSTAT 170</b> (4 units) - Exam FAM	<u>Spring</u> <b>PSTAT 172B or 160B</b> (4 units)*** - PSTAT 172B: Exams FAM, ALTAM <b>PSTAT ELECTIVE – Area E</b> - ECON 134A*: Finance VEE

### 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, 1

**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.*

### Important Information

**Area D:** 8 units from: PSTAT 105, 120C, 127, 130, 131, 160B or 172B (not used in Area C), 173, 175, 176, 183\*\*\*

**Area 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

Recommended Electives: ECON 134A, PSTAT 130

- For SOA Track: 120C, 131, 172B, 173, 175 183

- For CAS Track: 127, 131, 160B, 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 172A:** Winter quarter only

**PSTAT 172B and PSTAT 183:** Spring quarter only

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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.

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