

Suggested Plan of Study-B.S. in Financial Mathematics and Statistics (FMS) 2020 -2021

	Fall	Winter	Spring
Freshman Year	MATH 2A or 3A ECON 1	MATH 2B or 3B ECON 2 CMPSC*	MATH 4A CMPSC* ECON 10A
Sophomore Year	MATH 6A MATH 4B or 8 PSTAT 10	MATH 4B or 8 PSTAT 120A	MATH 6B PSTAT 120B
Junior Year	PSTAT 160A PSTAT 171***	PSTAT 160B MATH 117	PSTAT 170 PSTAT 126
Senior Year	MATH 104A UD Elective**	MATH 104B UD Elective**	MATH 104C UD Elective **

Accelerated track (the student already has taken AP calculus and many GEs)

	Fall	Winter	Spring
Freshman Year	MATH 4A ECON 1	MATH 6A ECON 2 CMPSC 8 or Eng 3*	MATH 4B PSTAT 120A PSTAT 10
Sophomore Year	PSTAT 120B MATH 8 MATH 6B CMPSC 16*	PSTAT 160A PSTAT 171*** ECON 10A	PSTAT 160B* PSTAT 170 or UD Elective** MATH 117
Junior Year	MATH 104A PSTAT 126 UD Elective**	MATH 104B PSTAT 170 or UD Elective**	MATH 104C UD Elective** (PSTAT 176?)
Senior Year	Take grad courses. Do research. Add another major.	Grad courses, research double major	Grad courses, research double major

*Only one of the following courses is required: CMPSC 8 (Python), CMPSC 9 (Python), CMPSC 16 (C++) or Engineering 3 (Matlab). If schedule allows, students are encouraged to take more than one CMPSC class. Students with AP CS credit may skip CMPSC 8, otherwise, start at CMPSC 8.

**16 units from: Economics 100B, 101, 130, 134A-B, 140B, 141, 171, 181; Math 108A-B, 124A-B, 132A; PSTAT 120C, 130, 131, 132, 134, 135, 171, 173, 174, 176.

***Additional Notes:

- PSTAT 171 is a recommended elective in preparation for PSTAT 170 (Upper division requirement).
- PSTAT 176 is a course on advanced financial mathematics. To take this class, *PSTAT 160A and PSTAT 170 must be completed with a B- or higher.*
- Either Math 4A, 4B, 6A, or 6B must be completed with a grade of "B" or better in order to take Math 8. (Please note "or" is different than "and")
- The following courses will not apply to the major: MATH 100AB, 193, 195AB and PSTAT 109, 193.