

**B.S. Math Actuarial Science Concentration Eight Semester Plan**

(Revised May 2021)

<b>Freshman Year</b>			
<b>Fall</b>		<b>Spring</b>	
	<b>16</b>		<b>16</b>
MATH 153 (Calculus I)	4	MATH 250 (Logic and Proof)	3
MATH 270 (Statistical Methods I)	3	MATH 255 (Calculus II)	4
ACCT 251* (Financial Accounting - A User Perspective)	3	COMM 201 (Foundations of Communication)	3
First Year Seminar (consider MATH/CS/FIN)	3	ENGL 101 (Writing and Rhetoric)	3
LS Elective (P1: FIN 210 recommended)	3	FIN 305* (Financial Management)	3
<b>Sophomore Year</b>			
<b>Fall</b>		<b>Spring</b>	
	<b>16</b>		<b>15</b>
MATH 256 (Calculus III)	4	MATH 340 (Scientific Computing)	3
MATH 370 (Probability and Statistics I)	3	MATH 373 (SOA Exam FM)/MATH 471 (SOA Exam P)	3
ECON 231* (Intro. Microeconomics and Social Inquiry)	3	ECON 232* (Intro. Macroeconomics and Social Inquiry)	3
ENGL 202 (Writing and Critical Inquiry)	3	LS Elective	3
LS Elective	3	LS Elective	3
<b>Junior Year</b>			
<b>Fall</b>		<b>Spring</b>	
	<b>15</b>		<b>15</b>
MATH 362 (Linear Algebra I)	3	MATH 373 (SOA Exam FM)/MATH 471 (SOA Exam P)	3
MATH 310 (Discrete Structures)	3	Actuarial Science Elective (MATH 470* or MATH 474)	3
LS Elective	3	LS Elective	3
LS Elective	3	General Electives	6
LS Elective	3		
<b>Senior Year</b>			
<b>Fall</b>		<b>Spring</b>	
	<b>12</b>		<b>12</b>
MATH 479 (Capstone)	2	Actuarial Science Elective (MATH 470* or MATH 474)	3
General Electives (Finish ECON or FIN Minor?)	10	General Electives (Finish ECON or FIN minor?)	9

\* Denotes a course that is used to satisfy one of the Society of Actuaries Validation by Educational Experience (VEE) requirements. In order to earn VEE credit for Mathematical Statistics (MATH 470), Accounting and Finance (ACCT 251, FIN 305) and/or Economics (ECON 231, ECON 232), these courses must be passed with a grade of B- or better.

LS Elective: Students must complete 42 hours of liberal studies courses. One of these courses should be taken at the 300- or 400-level to satisfy the upper level perspective requirement (ULP). Note that ECON 231 and ECON 232 both count towards the Actuarial Science Concentration and are P1 Liberal Studies courses, however an additional P1 must be taken since the P1 courses must be in two different disciplines. FIN 210 is a recommended course to satisfy the other P1 requirement.

Economics minor: ECON 231, 232, 302, MATH 270, plus two more ECON courses (ECON 344 is a LS P4 ULP)

Finance minor: ACCT 251, FIN 305, 335, 406, plus two more FIN courses (FIN 210 is a LS P1)