

B.S. in Mathematics Actuarial Science Concentration

Name: _____ Minor: _____

From AY 2024-2025

Core Courses	Semester/Year	Note/Grade
ITSC 1212+L- Introduction to Computer ScienceI		
MATH 1241- Calculus I		
MATH 1242- Calculus II		
MATH 2164- Matrices and Linear Algebra		
MATH 2167- Introduction to Mathematical Reasoning		
MATH 2171- Differential Equations		
MATH 2241- Calculus III		
MATH 2242- Calculus IV		
MATH 3689- Senior project (or honors MATH 3790/3791)		

Concentration Courses	Semester/Year	Note/Grade
STAT 3110- Applied Regression		
STAT 3122- Probability and Statistics I		Exam P
STAT 3123- Probability and Statistics II		VEE
STAT 3150- Time Series Analysis		
STAT 4227- Loss Models and Applications		Exam FAM-S
MATH 3227- Mathematical Theory of Interest and Apps		Exam FM
MATH 3228- Financial Math and General Cash Flows		Exam FM
MATH 4051- Computer Exploration & Generation of Data		
MATH 4228- Life Insurance Mathematics		Exam FAM-L
MATH 4229- Advanced Life Insurance Mathematics		Exam ALTAM

Restricted Elective Courses: select four from the following:
ACCT 2121/2122, ECON 2101/2102, FINN 3120/3271, INFO 2130

Course Number	Semester/Year	Grade
1.)		
2.)		
3.)		
4.)		

ACCT 2121, ECON 2101/2102 and FINN 3120 satisfy VEE credits,

Check DegreeWorks for General Education and College's Foreign Language Requirements. A minimum of 120 credits are required for graduation.

Suggested Unrestricted Elective Courses:

STAT 3180 - Predictive Analytics,
STAT 3160 - Applied Multivariate Analysis,
STAT 4116 - Statistical Computing,
STAT 4123 - Applied Statistics I
STAT 4124 - Applied Statistics II