

## B.S. in Mathematics Actuarial Science Concentration

Name: \_\_\_\_\_

Minor or Related Work: \_\_\_\_\_

Major Courses	Semester/Year	Note/Grade
ITSC 1212 - Introduction to Computer Science I		
MATH 1241 - Calculus I		
MATH 1242 - Calculus II		
MATH 2164 - Matrices and Linear Algebra		
MATH 2171 - Differential Equations		
MATH 2241 - Calculus III		
MATH 2242 - Calculus IV		
MATH 3163 - Introduction to Modern Algebra		
MATH 3689 - Mathematics Project Seminar		
MATH 4051 - Computer Exploration and Generation of Data		
STAT 3122 - Probability and Statistics I		Exam P
STAT 3123 - Probability and Statistics II		VEE

Concentration Courses	Semester/Year	Note/Grade
MATH 3227 - Mathematical Theory of Interest and Applications		Exam FM
MATH 3228 - Financial Mathematics and General Cash Flows		Exam FM
MATH 4228 - Life Insurance Mathematics		Exam FAM
MATH 4229 – Advanced Life Insurance Mathematics		Exam ALTAM
STAT 3110 - Applied Regression		
STAT 3150 - Time Series Analysis		
STAT 4227 – Loss Models and Applications		Exam FAM

<b>Restricted Elective Courses (select 4 courses)</b>	<b>Semester/Year</b>	<b>Note/Grade</b>
ACCT 2121 - Principles of Accounting I		VEE
ACCT 2122 - Principles of Accounting II		
ECON 2101 - Principles of Economics - Macro		VEE
ECON 2102 - Principles of Economics - Micro		VEE
FINN 3120 - Financial Management		VEE
FINN 3271 – Principles of Risk Management and Insurance		
INFO 2130 – Introduction to Business Computing		

***Suggested Unrestricted Elective Courses:***

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