

MATHEMATICS - ACTUARIAL SCIENCE EMPHASIS (BA/BS)

An approved minor is required for this major.

Code	Title	Units
Major Requirements: 40 units		
MATH 200	MATHEMATICS: FORM AND FUNCTION	1
MATH 253	CALCULUS AND ANALYTIC GEOMETRY I (GM)	5
MATH 254	CALCULUS AND ANALYTIC GEOMETRY II	5
MATH 255	CALCULUS AND ANALYTIC GEOMETRY III	3
MATH 263	INTRODUCTION TO R	1
MATH 280	DISCRETE MATHEMATICS	3
MATH 301	INTRODUCTION TO ANALYSIS	3
MATH 342	APPLIED STATISTICS	3
MATH 343	APPLIED PROBABILITY: THEORY AND PRACTICE	3
MATH 346	THEORY OF INTEREST	3
MATH 355	MATRICES AND LINEAR ALGEBRA	3
MATH 420	APPLIED REGRESSION ANALYSIS	3
MATH 442	MATHEMATICAL STATISTICS	4
Total Units		40

Code	Title	Units
Computer Science Unique Requirement - 3 units		
Select one of the following:		
COMPSCI 170	INTRODUCTION TO PYTHON PROGRAMMING	
COMPSCI 171	INTRODUCTION TO VISUAL BASIC PROGRAMMING	
COMPSCI 172	INTRODUCTION TO JAVA (GM)	
COMPSCI 174	INTRODUCTION TO C++ (GM)	
COMPSCI 220	INTERMEDIATE JAVA	
COMPSCI 222	INTERMEDIATE C++	
COMPSCI 347	SCIENTIFIC COMPUTING	

Code	Title	Units
Writing Requirement - 3 units		
ENGLISH 370	ADVANCED COMPOSITION	3
or ENGLISH 372	TECHNICAL AND SCIENTIFIC WRITING	

Students in this emphasis are encouraged to minor in General Business.