

Bachelor of Science in Math: Actuarial Science emphasis
Worksheet & Pre-Requisites — 2012-13

Course #	Course title	Cr	Ofrd	Pre-Requisites
MATH CORE				
MATH 1220	Calculus II	4	F/S	"C" in MATH 1210 or <u>AP Calculus</u>
MATH 2210	Calculus III	4	F/S	"C" in MATH 1220
MATH 2270	Linear Algebra	3	F/S	MATH 1210 & MATH 1220
MATH 2280	Differential Equations	3	S	MATH 1220 & MATH 2270
MATH 3120	Transition to Advanced Mathematics	3	S	MATH 1220 & MATH 2270
MATH 3500	Actuarial Mathematics	3	S even	MATH 1210
MATH 3700	Probability & Statistics	4	F	MATH 1220
MATH 3770	Mathematical Modeling	3	S - odd	MATH 3700
MATH 4220	Abstract Algebra	3	F	MATH 3120
MATH 4400	Advanced Calculus I	3	F	MATH 2210, MATH 3120 & MATH 2270 or permission
MATH 4990	Capstone Seminar	3	S	Jr. or Sr. Standing
ACCT 2010	Accounting Principles	3	F/S	
CSIS 1400 or 1410	Fund. Of Prog / Obj. Oriented Prog	3	F/S	C in MATH 1010 OR ACT OF 23
ECON 2020	Principles of Macroeconomics	3	F/S	
ECON 4260	Principles of Econometrics	3	F	Instructor's Signature
FIN 3110	Risk & Insurance	3	F	Instructor's Signature
FIN 3250	Managerial Finance I	3	F/S	Instructor's Signature
FIN 3260	Managerial Finance II	3	F	Instructor's Signature
Upper Division Math Elective	(Cannot be 3140 or 4900)	3		
FREE ELECTIVES	To total 120 credits and 40 upper div	3		
PROGRAM PREREQUISITES				
MATH 1050	College Algebra	4	F/S/M	"C" in MATH 1010 or <u>ACT of 23</u>
MATH 1060	Trigonometry	3	F/S/M	"C" in MATH 1010 or <u>ACT of 23</u>
UPPER DIVISION				
		3		
University Requirement				
UNIV 1010	Introduction to Experiential Education	1		
UNIV 3925	EER Proposal	1		
UNIV 4925	Synthesis and Reflection	1		
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3		
ENGL 2010	Intermediate Writing	3		
MATH 1210	Calculus I	4		"C" in MATH 1050/60
LM 1010	Information Literacy	1		
American Institution		3		
CSIS 1000	Intro to Computer Applications & Internet	3		
FINE ARTS:		3		
HUMANITIES		3		
SOC SCI: Econ 2010	Principles of Microeconomics	3	F/S	
LIFE SCIENCE		3		
PHYSICAL SCIENCE		4		