

**Bachelor of Science in Math: Actuarial Science emphasis**  
**Worksheet & Pre-Requisites — 2014-15**

Course #	Course title	Cr	Of'rd	Pre-Requisites
<b>MATH CORE</b>				
MATH 1220	Calculus II	4	F/S	"C" in MATH 1210 <b>or</b> AP Calculus
MATH 2210	Calculus III	4	F/S	"C" in MATH 1220
MATH 2270	Linear Algebra	3	F/S	MATH 1220
MATH 2280	Differential Equations	3	S	MATH 1220 & 2270(can be co-req)
MATH 3120	Transition to Advanced Mathematics	3	S	MATH 1220 & 2270
MATH 3500	Actuarial Mathematics	3	S-even	MATH 1100 or 1210
MATH 3700	Probability & Statistics	4	F	MATH 1220
MATH 3770	Mathematical Modeling	3	S -odd	MATH 3700
MATH 4400	Advanced Calculus I	3	F	MATH 2210, 3120 & 2270
ACCT 2010	Accounting Principles	3	F/S	
FIN 3110	Risk & Insurance	3	F	Instructor's signature or Advisor's override
FIN 3250	Managerial Finance I	3	F/S	Instructor's signature or Advisor's override
FIN 3260	Managerial Finance II	3	F	FIN 3250 & Advisor's override
ECON 4260	Principles of Econometrics	3	F	Econ 2010 & 2020, MATH 1210, & Advisor override
<b>Upper Division Math Elective</b>	(Cannot be 3140 or 4900)	3		
<b>And one of the following:</b>				
CSIS 1400 or	Fundamentals Of Programming	3	F/S	C in MATH 1010 OR ACT OF 23
CSIS 1410	Object Oriented Programming		F/S	C or better in CSIS 1400
<b>FREE ELECTIVES</b>	To total 120 credits and 40 upper div	3		
		3		
		1		
<b>Support Core Requirement</b>				
ECON 2020	Principles of Macroeconomics	3	F/S	
<b>PROGRAM PREREQUISITES</b>				
MATH 1050	College Algebra	4	F/S/M	"C" in MATH 1010 <b>or</b> ACT of 23
MATH 1060	Trigonometry	3	F/S/M	"C" in MATH 1010 <b>or</b> ACT of 23
<b>University Requirement</b>				
UNIV 1010	EDGE Program Introduction	1	F/S/M	
UNIV 3925	EDGE Project Proposal	1	F/S/M	UNIV 1010
UNIV 4925 or UNIV 4930	EDGE Program Completion/Select Track Completion	1	F/S/M	UNIV 3925
<b>GENERAL EDUCATION</b>				
ENGL 1010	Intro to Academic Writing	3		
ENGL 2010	Intermediate Writing	3		
<b>MATH 1210</b>	<b>Calculus I</b>	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		
<b>SOC SCI: Econ 2010</b>	<b>Principles of Microeconomics</b>	3	F/S	
LIFE SCIENCE		3		
<b>PHYS SCI: PHYS 2210/15*</b>	<b>Physics for Scientists &amp; Engr I/lab</b>	4	F/S	MATH 1210
<b>*(Strongly Recommended)</b>				