College of Health & Sciences

2014-2015 Mathematics - Applied Mathematics/Pre-Actuary Degree Plan

FIRST YEAR - FRESHMAN

Fall	Semester		
UNIV	1001	*	Freshman Seminar
ENG	1113	*	Freshman Composition I
PS	1113	*	United States Government
MATH	1513	*	College Algebra
MIS	1903		Computer Business Applications
COMM	1113	*	Fundamentals of Speech **OR**
			COMM 2253 Comm in the Workplace

16 TOTAL HOURS

Spring	Semester		
ENG	1213	*	Freshman Composition II
	---3	*	Humanities & Social Sciences**
MATH	1713		Trigonometry
	1-14	*	Physical Science**
MATH	2213		Introduction to Probability & Statistics

16 TOTAL HOURS

SECOND YEAR - SOPHOMORE

Fall	Semester		
	---3	*	Humanities-Western Civilization**
MATH	2825		Calculus & Analytic Geometry I
HIST	24-3	*	United States History Survey**
	---3	*	Humanities-Cultural/Human Diversity**
ECON	2003	*	Prin and Prob of Economics

17 TOTAL HOURS

Spring	Semester		
BIOL	1-14	*	Life Science**
MATH	3025		Calculus & Analytic Geometry II
CMPSC	1113	*	Computer Programming I
UNIV	3001	*	General Education Seminar**
ECON	2013		Principles of Micro Economics

16 TOTAL HOURS

THIRD YEAR - JUNIOR

Fall	Semester	
MATH	3033	Calculus & Analytic Geometry III
ACCT	2103	Financial Accounting
ENG	3183	Technical and Prof Writing
MIS	3433	Management Info Systems
Choose one:	---3	MATH 3713 Linear Algebra
		MATH 4113 Differential Equations

15 TOTAL HOURS

Spring	Semester	
Choose one	---3	MATH 3513 Mathematical Statistics
		MATH 3583 Applied Statistics
Choose one	---3	CPSMA 3913 Discrete Math
		CPSMA 3933 Operations Research
		CPSMA 4413 Numerical Methods
Take if	---3	FIN 3913 Principles of Insurance;
offered:		**otherwise select 3 hours of electives*** **
	---6	Electives***

15 TOTAL HOURS

FOURTH YEAR - SENIOR

Fall	Semester	
MATH	4923	Perspectives in Mathematics
FIN	3113	Financial Management
	---6	Upper Division Elective^
Choose one:	---3	MATH 3713 Linear Algebra
		MATH 4113 Differential Equations

15 TOTAL HOURS

Spring	Semester	
	---3	Upper Division Elective^
Choose One	---3	MATH 3513 Mathematical Statistics;
		MATH 3583 Applied Statistics
		(one not chosen in previous spring)
Choose One	---3	CPSMA 3913 Discrete Math;
		CPSMA 3933 Operations Research
		CPSMA 4413 Numerical Methods
		(one not chosen in previous spring)
Take if	---3	FIN 3913 Principles of Insurance
offered:		**otherwise select 3 hours of electives*** **
KIN	2122	* Wellness Or Nutrition FCS 1513

14-15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement **See current catalog "General Education Requirements" for selection ***Minor (not required)/Electives (9 hours)

^Approved courses from MATH, CMPSC, MIS, MGMT, MKTG, BUSLW, or FIN (3000-4000)