

College of Health & Sciences

2019-2020 Mathematics - Applied Mathematics/Pre-Actuary Degree Plan

FIRST YEAR - FRESHMAN

<u>Fall Semester</u>			<u>Spring Semester</u>		
UNIV	1001 *	Freshman Seminar	ENG	1213 *	Freshman Composition II
ENG	1113 *	Freshman Composition I		---3 *	Humanities-Western Civilization**
PS	1113 *	United States Government	MATH	1713	Trigonometry
MATH	1513 *	College Algebra	ECON	2003 *	Principles of Macroeconomics
KIN	2122 *	Wellness Or Nutrition FCS 1513	MATH	1223	Introduction to Probability & Statistics
COMM	1113 *	Fundamentals of Human Comm OR COMM 2253 Comm in the Workplace			

15 or 16 TOTAL HOURS

15 TOTAL HOURS

SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>			<u>Spring Semester</u>		
MIS	1903	Computer Business Applications	ACCT	2103	Financial Accounting
MATH	2825	Calculus & Analytic Geometry I	MATH	3025	Calculus & Analytic Geometry II
HIST	24-3 *	United States History Survey**	CMPSC	1113 *	Computer Programming I
	1-14 *	Life Science**	ECON	2013	Principles of Micro Economics
				---3 *	Humanities-Cultural/Human Diversity**

15 TOTAL HOURS

17 TOTAL HOURS

THIRD YEAR - JUNIOR

<u>Fall Semester</u>			<u>Spring Semester</u>		
MATH	3033	Calculus & Analytic Geometry III	Choose one	---3	MATH 3513 Mathematical Statistics
Choose one	---3	CPSMA 3933 Operations Research			MATH 3583 Applied Statistics
		ENG 3183 Technical and Prof Writing	Choose one	---3	CPSMA 3913 Discrete Math
FIN	3113	Financial Management			MATH 3713 Linear Algebra
MIS	3433	Management Info Systems	Choose one	---3	CPSMA 4413 Numerical Methods
	-4 *	Physical Science			FIN 3913 Principles of Insurance;
				---3 *	Humanities & Social Sciences**
				---4	Electives*** (4 hours)

16 TOTAL HOURS

16 TOTAL HOURS

FOURTH YEAR - SENIOR

<u>Fall Semester</u>			<u>Spring Semester</u>		
MATH	4923	Perspectives in Mathematics	Choose one	---3	MATH 3513 Mathematical Statistics
Choose one	---3	CPSMA 3933 Operations Research			MATH 3583 Applied Statistics
		ENG 3183 Technical and Prof Writing	Choose one	---3	CPSMA 3913 Discrete Math
	---3	Upper Division Elective^			MATH 3713 Linear Algebra
	---3	Electives*** (3 hours)	Choose one	---3	CPSMA 4413 Numerical Methods
MATH	4113	Differential Equations			FIN 3913 Principles of Insurance;
				---3	Upper Division Elective^
				---3	Electives*** (3 hours)

15 TOTAL HOURS

15 TOTAL HOURS

TOTAL DEGREE PLAN HOURS 124

*General Education Requirement

**See current catalog "General Education Requirements" for selection

***No Minor required/Electives (10-16 hours)

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