

College of Health & Sciences

2020-2021 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 Basic Nutrition HHFS 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**	CMPS	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, CMPS, MIS, MGMT, MKTG, BUSLW, or FIN (3000-4000)