

# College of Health & Sciences

## 2017-2018 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 & Social Sciences**
PS	1113 * United States Government	MATH	1713 Trigonometry
MATH	1513 * College Algebra		1-14 * Physical Science**
MIS	1903 Computer Business Applications	MATH	2213 Introduction to Probability & Statistics
COMM	1113 * Fundamentals of Human Comm OR COMM 2253 Comm in the Workplace		

**16 TOTAL HOURS**

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### SECOND YEAR - SOPHOMORE

<u>Fall Semester</u>		<u>Spring Semester</u>	
	---3 * Humanities-Western Civilization**	BIOL	1-14 * Life Science**
MATH	2825 Calculus & Analytic Geometry I	MATH	3025 Calculus & Analytic Geometry II
HIST	24-3 * United States History Survey**	CMPS	1113 * Computer Programming I
	---3 * Humanities-Cultural/Human Diversity**	ECON	2013 Principles of Micro Economics
ECON	2003 * Prin and Prob of Economics		

**17 TOTAL HOURS**

**15 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
ACCT	2103 Financial Accounting		MATH 3583 Applied Statistics
ENG	3183 Technical and Prof Writing	Choose one	---3 CPSMA 3913 Discrete Math
MIS	3433 Management Info Systems		CPSMA 3933 Operations Research
Choose one:	---3 MATH 3713 Linear Algebra		CPSMA 4413 Numerical Methods
	MATH 4113 Differential Equations	Take if	---3 FIN 3913 Principles of Insurance;
		offered:	<b>otherwise select 3 hours of electives***</b>
			---7 Electives***(7 hours)

**15 TOTAL HOURS**

**16 TOTAL HOURS**

### FOURTH YEAR - SENIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	4923 Perspectives in Mathematics		---3 Upper Division Elective^
FIN	3113 Financial Management	Choose One	---3 MATH 3513 Mathematical Statistics;
	---6 Upper Division Elective^		MATH 3583 Applied Statistics
Choose one:	---3 MATH 3713 Linear Algebra		(one not chosen in previous spring)
	MATH 4113 Differential Equations	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:	<b>otherwise select 3 hours of electives***</b>
		KIN	2122 * Wellness Or Nutrition FCS 1513

**15 TOTAL HOURS**

**14-15 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)