

# College of Health & Sciences

## 2009-2010 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**
CMPS C	1113 * Computer Programming I	MATH	2213 Introduction to Probability & Statistics
COMM	1113 * Fundamentals of Speech <b>OR</b> 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**	MIS	1903 Computer Business Application
	---3 * Humanities-Cultural/Human Diversity**	UNIV	3001 * General Education Seminar**
ECON	2003 * Prin and Prob of Economics	ECON	2013 Principles of Micro Economics

**17 TOTAL HOURS**

**16 TOTAL HOURS**

### THIRD YEAR - JUNIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	3033 Calculus & Analytic Geometry III	MATH	3713 Linear Algebra
ACCT	2103 Financial Accounting	Choose one	---3 MATH 3513 Mathematical Statistics
ENG	3183 Technical and Prof Writing		MATH 3583 Applied Statistics
KIN	2122 * Wellness Or Nutrition FCS 1513	Choose one	---3 CMPS C 3933 Discrete Math
Choose one:	---3 FIN 4333 Managerial Finance		CPSMA 4413 Numerical Methods
	MIS 3433 Management Info Systems	Take both	---6 MATH 4113 Differential Equations;
	CMPS C 3933 Operations Research	if offered:	FIN 3913 Principles of Insurance;
			<b>otherwise select 6 hours of electives</b>

**14-15 TOTAL HOURS**

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### FOURTH YEAR - SENIOR

<u>Fall Semester</u>		<u>Spring Semester</u>	
MATH	4923 Perspectives in Mathematics		---3 Upper Division Elective
Choose One	---3 FIN 4333 Managerial Finance;	Choose One	---3 MATH 3513 Mathematical Statistics;
	MIS 3433 Management Info Systems <b>OR</b>		MATH 3583 Applied Statistics
	CMPS C 3933 Operations Research		<i>(one not chosen in previous spring)</i>
FIN	3113 Financial Management	Choose One	---3 CMPS C 3933 Discrete Math;
	---3 Upper Division Elective		CMPAC 4413 Numerical Methods
	---3 Upper Division Elective		<i>(or elective if CMPS C 3933 Op Res is taken)</i>
		Take both	---6 MATH 4113 Differential Equations;
		if offered:	FIN 3913 Principles of Insurance
			<b>otherwise select 6 hours of electives</b>

**15 TOTAL HOURS**

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**TOTAL DEGREE PLAN HOURS 124**