

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 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** | 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

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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)