



4-Year Academic Plan: Mathematics Actuarial Science Emphasis

The following is a **sample** outline demonstrating 4-year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. **PLEASE NOTE:** The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

*While every effort has been made to align this sample with departmental offerings and recommendations, **this is a GUIDE ONLY.** Please meet with your academic advisor and consult DegreeWorks for specifics.*

<p>1st Year Fall (16 credits) MATH 1210 Calculus (4) ENGL 1010 Intro to Academic Writing (3) LM 1010 Information Literacy (1) Fine Arts Knowledge Area (3) American Institutions Course (3) EDGE 1010 Becoming an Engaged Learner (1) UNIV 1020 Strategies for Success: STEM (1)</p>	<p>1st Year Spring (16 credits) MATH 1220 Calculus II (4) CSIS 1400 Fundamentals of Programming* (3) ENGL 2010 Intermediate Writing (3) CSIS 1000 Intro to Computers & Internet (3) Life Science Knowledge Area (3)</p>
<p>2nd Year Fall (15 credits) MATH 2210 Calculus III (4) MATH 2270 Linear Algebra w/ Applications (3) MATH 3700 Probability and Statistics (4) ECON 2010 Principles of Microeconomics (3) EDGE 30XX* Project Proposal and Planning (1)</p>	<p>2nd Year Spring (15 credits) MATH 2280 Differential Equations (3) MATH 3120 Transition to Advanced Math (3) MATH 3770 Mathematical Modeling (3) Humanities Knowledge Area (3) Free Elective (3)</p>
<p>3rd Year Fall (17 credits) MATH 4400 Advanced Calculus I (3) ACCT 2010 Accounting Principles (3) FIN 3110 Risk & Insurance (3) PHYS 2210/2215 Physics for Sci./Eng. Lab (5) Free Elective (3)</p>	<p>3rd Year Spring (15 credits) MATH 3500 Actuarial Math [Spring even] (3) FIN 3250 Managerial Finance I (3) ECON 2020 Principles of Macroeconomics (3) MATH Upper Division Elective* (3) Free Elective (3)</p>
<p>4th Year Fall (15 credits) ECON 4260 Principles of Econometrics (3) FIN 3250 Managerial Finance II (3) MATH Upper-Division Elective* (3) Upper-Division Elective (3) Free Elective (3)</p>	<p>4th Year Spring (13 credits) EDGE 40XX* Project Reporting and Reflection (1) Upper-Division Electives (6) Free Elective (6)</p>

Color Key:

General Education Courses (green)

Major-required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

EDGE Program Course (orange)

Other Notes:

➤ (*) indicates available options—see catalog