

## 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.

This is a **GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

1st Year Fall (16 credits)					1st Year Spring (14 credits)				
MATH	1210	Calculus I	4	F/S/Su	MATH	1220	Calculus II	4	F/S
ACCT	2010	Accounting Principles	3	F/S	ENGL	2010	Intermediate Writing	3	F/S/Su
ENGL	1010	Intro to Academic Writing	3	F/S/Su	INFO	1010	Information Literacy	1	F/S/Su
XXXX	XXXX	American Institutions GE	3	F/S/Su	XXXX	XXXX	Fine Arts GE	3	F/S/Su
XXXX	XXXX	Life Science GE	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
2nd Year Fall (16 credits)					2nd Year Spring (15 credits)				
MATH	3700	Probability & Statistics	4	F/S	MATH	3120	Transition to Advanced Math	3	F/S
MATH	2270	Linear Algebra	3	F/S	MATH	3500	Actuarial Mathematics	3	S-Even
ECON	2010	Principles of Microeconomics	3	F/S	FIN	3250	Managerial Finance I	3	F/S
XXXX	XXXX	Humanities GE	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
3rd Year Fall (15 credits)					3rd Year Spring (15 credits)				
MATH	2210	Calculus III	4	F/S	MATH	3770	Mathematical Modeling	3	S-Odd
FIN	3260	Managerial Finance II	3	F	MATH	2280	Differential Equations	3	S
PHYS	2210/15	*Physics for Sci./Engrs./Lab	5	F/S	ECON	2020	Principles of Macroeconomics	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
					XXXX	XXXX	Free Elective	3	F/S/Su
4th Year Fall (15 credits)					4th Year Spring (14 credits)				
MATH	4400	Advanced Calculus I	3	F	MATH	UD	*Math Upper-Division Elective	3	F/S
ECON	4260	Principles of Econometrics	3	F	XXXX	UD	Upper-Division Elective	3	F/S/Su
FIN	3110	Risk & Insurance	3	F	XXXX	UD	Upper-Division Elective	3	F/S/Su
XXXX	UD	Upper-Division Elective	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Free Elective	2	F/S/Su

### Color Key:

General Education Courses (green)

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

Major Courses (black)

Electives/minor/etc. (red)

### Other Notes:

▶ (\*) indicates available options - see course catalog for details.