

## 4-Year Academic Plan: Mathematics, Applied Math 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 (16 credits)				
MATH	1210	Calculus I	4	F/S/Su	MATH	1220	Calculus II	4	F/S
ENGL	1010	Intro to Academic Writing	3	F/S/Su	CS	1400	Fundamentals of Programming	3	F/S
XXXX	XXXX	Humanities GE	3	F/S/Su	XXXX	XXXX	CHEM 1210/15 or PHYS 2210/15	5	F/S
XXXX	XXXX	American Institutions GE	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
XXXX	XXXX	Fine Arts Knowledge Area GE	3	F/S/Su	INFO	1010	Information Literacy	1	F/S/Su
2nd Year Fall (16 credits)					2nd Year Spring (14 credits)				
MATH	2210	Calculus III	4	F/S	MATH	2280	*Differential Equations	3	S
MATH	2270	Linear Algebra	3	F/S	MATH	3120	Transition to Advanced Math	3	F/S
CS	1410	Object Oriented Programming	3	F/S	XXXX	XXXX	CHEM 1220/25 or PHYS 2220/25	5	S or F/S
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Social/Behavioral Science GE	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su					
3rd Year Fall (16 credits)					3rd Year Spring (15 credits)				
MATH	3700	Probability and Statistics	4	F/S	MATH	3600	Numerical Analysis	3	S-Even
MATH	4400	Advanced Calculus I	3	F	XXXX	XXXX	*Restricted Major Elective	3	F/S
XXXX	XXXX	*Restricted Major Elective	3	F/S	XXXX	XXXX	Life Science GE	3	F/S/Su
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
4th Year Fall (13 credits)					4th Year Spring (15 credits)				
XXXX	XXXX	*Restricted Major Elective	3	F/S	MATH	3250	Complex Variables	3	S-Odd
XXXX	UD	Upper-Division Elective	3	F/S/Su	XXXX	XXXX	*Restricted Major Elective	3	F/S
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	UD	Upper-Division Elective	3	F/S/Su
XXXX	XXXX	Free Elective	1	F/S/Su	XXXX	XXXX	Free Elective	3	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.