

4-Year Academic Plan: Mathematics - Pure 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 (13 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	Social/Behavioral Science GE	3	F/S/Su	ENGL	2010	Intermediate Writing	3	F/S/Su
XXXX	XXXX	American Institutions GE	3	F/S/Su	INFO	1010	Information Literacy	1	F/S/Su
					XXXX	XXXX	*Phys. Sci. GE (PHYS 2210/15 recomb.)	5	F/S
2nd Year Fall (16 credits)					2nd Year Spring (15 credits)				
MATH	2210	Calculus III	4	F/S	MATH	3120	Transition to Advanced Math	3	F/S
MATH	2270	Linear Algebra	3	F/S	MATH	2280	Differential Equations	3	S
XXXX	XXXX	Life Science GE	3	F/S/Su	XXXX	XXXX	Fine Arts GE	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Humanities GE	3	F/S/Su
XXXX	XXXX	Free Elective	3	F/S/Su	XXXX	XXXX	Free Elective	3	F/S/Su
3rd Year Fall (13 credits)					3rd Year Spring (15 credits)				
MATH	3700	Probability & Statistics	4	F/S	MATH	3250	Complex Variables	3	S-Odd
MATH	4400	Advanced Calculus I	3	F	MATH	UD	*Math Elective Credit	3	
MATH	UD	*Math Elective Credit	3		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	XXXX	XXXX	Free Elective	3	F/S/Su
4th Year Fall (15 credits)					4th Year Spring (15 credits)				
MATH	4220	Abstract Algebra I	3	F	MATH	4230	*Abstract Algebra II	3	S-Even
MATH	UD	*Math Elective Credit	3		MATH	UD	*Math Elective Credit	3	
MATH	UD	*Math Elective Credit	3		XXXX	XXXX	Free 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	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.

▶ A minimum of 30 credits are required in the General Education. For some students, this will require one of the "Free Elective" options to be filled by an additional General Education Course instead.