Bachelor of Science - Mathematics - Applied Mathematics Concentration
First Time Freshman Academic Roadmap

Year 1: Freshman Year							Year Total	32
Fall Semester	**Terms Offered**	**Prerequisite Courses**	**Units**	**Spring Semester**	**Terms Offered**	**Prerequisite Courses**	**Units**	
MATH 2210 (GE 2)	Fall & Spring	MATH 1401, 1403 or Placement Exam	4	MATH 2220	Fall & Spring	MATH 2210 (C- or better)	4	
CSE 1100 (GE 1B)	Fall & Spring		3	MATH 2265	Fall & Spring	MATH 2210 (Co/Prereq)	3	
Group I Concentration Elective	Fall & Spring	Varies	3	Group II Concentration Elective	Fall & Spring	Varies	3	
Free Elective	Fall & Spring		3	Oral Communication (GE 1C)	Fall & Spring		3	
General Education	Fall & Spring		3	Written Communication (GE 1A)	Fall & Spring		3	
Semester Total			16	**Semester Total**			16	

Year 2: Sophomore Year							Year Total	31
Fall Semester	**Terms Offered**	**Prerequisite Courses**	**Units**	**Spring Semester**	**Terms Offered**	**Prerequisite Courses**	**Units**	
MATH 2310	Fall & Spring	MATH 2210 (C- or better); 2220 (Co/Prereq)	4	MATH 2270	Spring	MATH 2310	3	
MATH 3100 (WI)	Fall & Spring	MATH 2220 (C- or better)	4	MATH 2320	Spring	MATH 2220 & 2310 (C- or better)	4	
General Education	Fall & Spring		3	MATH 3345	Fall & Spring	MATH 3100	3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		1	General Education	Fall & Spring		3	
Semester Total			15	**Semester Total**			16	

Year 3: Junior Year							Year Total	32
Fall Semester	**Terms Offered**	**Prerequisite Courses**	**Units**	**Spring Semester**	**Terms Offered**	**Prerequisite Courses**	**Units**	
MATH 3329	Fall & Spring	MATH 2310 and MATH 3100 (Co/Prereqs)	3	MATH 4300	Fall & Spring	MATH 2320 and MATH 3100	4	
MATH 4600	Fall & Spring	MATH 2320 and MATH 3345	4	MATH 5310	Spring	MATH 2310 and MATH 3100	3	
MATH Elective	Fall	Varies	3	MATH Elective	Spring	Varies	3	
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
General Education	Fall & Spring		3	General Education (UD)	Fall & Spring		3	
Semester Total			16	**Semester Total**			16	

Year 4: Senior Year							Year Total	25
Fall Semester	**Terms Offered**	**Prerequisite Courses**	**Units**	**Spring Semester**	**Terms Offered**	**Prerequisite Courses**	**Units**	
MATH Elective	Fall	Varies	3	MATH Elective	Spring	Varies	3	
MATH Elective	Fall	Varies	3	MATH Elective	Spring	Varies	3	
General Education (UD)	Fall & Spring		3	General Education	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		1					
Semester Total			13	**Semester Total**			12	
				Degree Units Total			**120**	

MAAMCNSBSX Last modified 10/19/2026

The roadmap is an academic planning resource. Students should refer to their PAWS Report and Academic Catalog for graduation requirements.

*Math electives are not offered every semester. Please see the Math department website for the tentative course schedule.