

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

Year 1: Freshman Year				Year Total				33
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
MATH 2210 (GE B4)	Fall & Spring	MATH 1401, 1403 or Placement Exam	4	MATH 2220	Fall & Spring	MATH 2210 (C- or better)	4	
CSE 1100 (GE A3)	Fall & Spring		3	MATH 2310	Fall & Spring	MATH 2210 (C- or better); 2220 (Co/Prereq)	4	
Group I Concentration Elective	Fall & Spring	Varies	3	Group II Concentration Elective	Fall & Spring	Varies	3	
Foundation Seminar (GE E)	Fall & Spring		3	Oral Communication (GE A1)	Fall & Spring		3	
General Education	Fall & Spring		3	Written Communication (GE A2)	Fall & Spring		3	
<b>Semester Total</b>			16	<b>Semester Total</b>			17	

Year 2: Sophomore Year				Year Total				30
Fall Semester	Terms Offered	Prerequisite Courses	Units	Spring Semester	Terms Offered	Prerequisite Courses	Units	
MATH 2265	Fall & Spring	MATH 2210 (Co/Prereq)	3	MATH 2270	Fall & Spring	MATH 2310	3	
MATH 2320	Fall & Spring	MATH 2220 & 2310 (C- or better)	4	MATH 5310	Spring	MATH 2310 and MATH 3100	3	
MATH 3100 (WI)	Fall & Spring	MATH 2220 (C- or better)	4	General Education	Fall & Spring		3	
General Education	Fall & Spring		3	General Education	Fall & Spring		3	
General Education	Fall & Spring		1	General Education	Fall & Spring		3	
<b>Semester Total</b>			15	<b>Semester Total</b>			15	

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 3100; MATH 2310 (Co/Prereq)	3	MATH 4300	Fall & Spring	MATH 2320 and MATH 3100	4	
MATH 4600	Fall & Spring	MATH 2320 and MATH 3100	4	MATH Elective	Spring	Varies	3	
General Education	Fall & Spring		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	
<b>Semester Total</b>			16	<b>Semester Total</b>			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	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		3	Free Elective	Fall & Spring		3	
Free Elective	Fall & Spring		1					
<b>Semester Total</b>			13	<b>Semester Total</b>			12	
							<b>Degree Units Total</b>	<b>120</b>

MAAMCNSBSX

Last modified 2023-07-11

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.