

## Major Map

**BULLETIN YEAR:** 2019-2020    **Degree:** BA; BS

**Major:** MATHEMATICS: APPLIED MATH CONCENTRATION

*The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and a department's tentative plans for scheduling courses. This document provides general direction. For more specific advice and up to date schedules, it is expected that students will regularly discuss their plans of study with academic advisors and monitor the current class schedules as students are responsible for ensuring that all requirements for graduation have been met.*

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall    Total Credit Hours: 4		Semester: Spring    Total Credit Hours: 7	
MTH 132: Calculus 1	4	MTH 133: Calculus 2	4
		MTH 223: Linear Algebra	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall    Total Credit Hours: 7		Semester: Spring    Total Credit Hours: 6	
MTH 233: Calculus 3	3	MTH 334: Differential Equations	3
MTH 332: Intro to Proof	3	MTH 523: Modern Algebra	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall    Total Credit Hours: 6		Semester: Spring    Total Credit Hours: 6	
MTH 532: Adv. Calculus 1	3	MTH or STA – Required Courses List	3
MTH or STA – Required Courses List	3		
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall    Total Credit Hours: 3		Semester: Spring    Total Credit Hours: 3	
MTH or STA – Required Courses List	3	MTH 499: Capstone	
		MTH or STA – Required Courses List	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIFTH YEAR (IF NEEDED)</b>			
Semester:            Total Credit Hours:		Semester:            Total Credit Hours:	

**124 hours minimum required for graduation**  
 Total for major: 42 semester hours

**40 hours 300 level or above required**