

Name:					
Student ID:					
Date Admitted Into Major:					

BACHELOR OF SCIENCE MATHEMATICS

GENERAL EDUCATION REQUIREMENTS Competencies ☐ ◆ Reading Comprehension **♣**General Education Categories (34-35 credits total) **♦FYS** First Year Seminar 3 Written Communication - Level I ♦W-I 3 Oral Communication 3 **+**OC PGR Personal Growth & Responsibility 3 CEA Creative Expression & Appreciation 3 WC World Cultures 3 HP The Human Past 3 CS 3 Contemporary Society # Any SR course 3-4 Scientific SR Reasoning: # SR Lab course 4 Quantitative Reasoning 3 ΩR # Written Communication (Level II and Level III) W-II Written Communication - Level II W-III Written Communication - Level III

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Free Electives/Minor (48 credits minimum)

May be necessary to take additional credits to attain the minimum 120 credits

COURSES IN MAJOR (37 credits total) Major Core Courses (28 credits)

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MAT	218	Intro. to Mathematical		
		Computing		
MAT	220	Calculus I	4	
MAT	221	Calculus II	4	
MAT	234	Intro. to Mathematical Proof	3	
MAT	303A	Abstract Algebra I		
MAT	304A	Linear Algebra		
MAT	320	Calculus III		
MAT	411	Real Analysis		
MAT	490	Senior Sem. In Mathematics	3	

Major Electives (9 credits minimum)

(Three courses numbered above 300 with at most 3 credits							
from MAT572.)							
MAT							
MAT							
MAT							
(The above major courses must satisfy <i>one</i> of the following							
sequences.)							
Algebra sequence			MAT303A, MAT306 or 403				
Analysis sequence			MAT409, MAT411 or 412				
Discrete Mathematics			MAT314, MAT316				
sequence							
Geometry sequence			MAT406, MAT412				
Probability & Statistics			MAT407, MAT417	,			
seque	nce						

Note: A course may count as both a major core course and as part of a sequence.

- ▼ Students may choose to use support courses to satisfy general education categories, but may not be required to do so. **Note:** If a course is used to satisfy two or more requirements (for example, a support course and Scientific Reasoning requirement), the credits are counted in only one place. Using a course to satisfy more than one requirement does **not** reduce the credit total required for graduation.
- Courses used to satisfy the general education requirements of the university must be taken from a minimum of six different academic disciplines. First Year Seminar and Level I Written Communications courses are exempt from this restriction. Courses may not be used to fulfill both major discipline and general education requirements.
- # These Scientific Reasoning General Education Category courses do not have to be a sequence or be from the same discipline.
- ‡ Level II and Level III Written Communications Courses may be used to satisfy requirements anywhere else in a student's program of study where they may apply. The credits are counted only in one area.

♦ COMPETENCIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

♦ GENERAL EDUCATION CATEGORIES - TO BE COMPLETED WITHIN THE FIRST 30 CREDITS

Effective: 9/2015