

### 2023 Catalog-B.A. Mathematics Degree Plan (120 Hours)

<b>STUDENT NAME:</b>				
<b>STUDENT ID:</b>				
<b>AUDITS: 45 _____ 75 _____</b>		<b>PRE-HEALTH: NO YES</b>		
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>CORE CURRICULUM</b>				
<b>Communication (010)</b>				
		3		
		3		
<b>Mathematics (020)</b>				
Calculus I	MATH 2417*	4		
<b>Life &amp; Physical Sciences (030)</b>				
Mechanics	PHYS 2325	3		
Electromagnetism and Waves	PHYS 2326	3		
<b>Language, Philosophy and Culture (040)</b>				
		3		
<b>Creative Arts (050)</b>				
		3		
<b>American History (060)</b>				
		3		
		3		
<b>Government/Political Science (070)</b>				
American National Government	GOVT 2305	3		
State and Local Government	GOVT 2306	3		
<b>Social and Behavioral Science (080)</b>				
		3		
<b>Component Area Option (090)</b>				
Calculus I	MATH 2417*	4		
Calculus II	MATH 2419*	4		
Physics Lab I	PHYS 2125	1		
<b>Major Preparatory Courses</b>				
Mechanics	PHYS 2325	3		
Physics	PHYS 2125	1		
Electro. & Waves	PHYS 2326	3		
Physics	PHYS 2126	1		
Introduction to Programming	MATH 2370**	3		

\*(MATH 2413 & MATH 2414 & MATH 2415) can be used instead of (MATH 2417 & MATH 2419)

\*\*CS 1325 or CS 1337 may be taken instead. CS 1325 and CS 1337 have a prerequisite of CS 1336 and CS 1136

<b>UPDATED BY:</b>				
<b>DATE:</b>				
<b>MINOR:</b>		<b>DOUBLE MAJOR/DEGREE:</b>		
<b>Course Title</b>	<b>Subject Prefix/ Course #</b>	<b>HR</b>	<b>Semester Taken</b>	<b>Grade</b>
<b>Major Preparatory Courses (Cont.)</b>				
Calculus I	MATH 2417*	4		
Calculus II	MATH 2419*	4		
Linear Algebra	MATH 2418	4		
Differential Equations	MATH 2420	4		
Analytical Geometry	MATH 2306	3		
<b>Major Core Courses</b>				
Theoretical Concepts of Calculus	MATH 3310	3		
Abstract Algebra I	MATH 3311	3		
Differential Geometry	MATH 3380	3		
Elementary Number Theory	MATH 3323	3		
Complex Variables	MATH 3379	3		
Advanced Calculus	MATH 3351	3		
Probability	STAT 4351	3		
Mathematical Statistics	STAT 4352	3		
<b>Major Related Courses***</b>				
		3		
		3		
		3		
<b>Electives-45 Upper Level Hours Needed to Graduate (75 UL for double degree)</b>				
Freshman Seminar	UNIV 1010	0		
NS&M Freshman Seminar	NATS 1101	1		
Core Seminar	UNIV 2020	0		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		3		
UL Elective (3xxx or 4xxx)		3		
Free Elective		3		
Free Elective		3		
Free Elective		3		
Free Elective		3		
Free Elective		3		
Free Elective		2		

\*\*\*Nine semester credit hours of Upper Level MATH, STAT or ACTS courses; six hours must MATH courses at the 4000-level.