Applied Option
120 Credits Total
43 Credits in Major

ABOUT THE MATHEMATICS BS DEGREE:

The BS program in Mathematics includes core courses along with higher level courses in several areas that allow you to explore the fascinating world of mathematics. Many companies in industry and the service sector are interested in graduates who have a degree in Mathematics. While some students complete a Bachelor's Degree and from there, get a job, others continue on to graduate school.

STEP 1:

Major Requirements:

Course	Semester	Credits	Grade
MTH 141*		4	
MTH 142*		4	
MTH 215		3	
MTH 243*		3	
Twelve (12) credits of MTH, at least 3 credits of which must be at the 400-level			
MTH ____		3	
MTH ____		3	
MTH ____		3	
MTH 4__		3	
Choose one of the following sequences: MTH 435/436 or MTH 437/438			
MTH 4__		3-4	
MTH 4__		3-4	
Nine (9) credits chosen from Group I: **BME 207; CHE 213, 272, 314; CHM 431, 432: CSC 340, 406, 418, 440, 445; ECN 323, 324, 327, 328, 375; ELE 313, 314, 322, 438, 457; FIN (BUS) 321, 335, 337, 420; ISE 311, 312, 332, 333; MCE 341, 354, 366, 372, 411, 466; NRS 409, 410; OCE 301; PHY 306, 322, 331, 410, 420, 451, 452, 455; STA 307, 308, 409, 411, 412** *Students may receive credit for STA 307 or STA 308 or STA 409—not all three.*			
		3	
		3	
		3	
One course chosen from: CSC 106*, 200, 201*, 211, 212; EGR 106; PHY 410; CHE 272			
		2-4	

Free elective credits
(to meet the 120 credits required for graduation):

Course	Credits	Course	Credits

MTH 101, 103, 104, 105, 106, 107, 108, 109, 110, 111, 208, 209, and 420 may not be used toward this degree.

Students may use either MTH 244 or 362 toward the major, but not both.

*Course approved for general education credit

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.

GENERAL EDUCATION GUIDELINES: General education is 40 credits. Each of the twelve outcomes (A1-D1) must be met by at least 3 credits. A single course may meet more than one outcome, but cannot be double counted towards the 40 credit total. At least one course must be a Grand Challenge (G). No more than twelve credits can have the same course code (note- HPR courses may have more than 12 credits). General education courses may also be used to meet requirements of the major or minor when appropriate.

STEP 2:   **STEP 3:**

General Education Credit Count				
At least 40 credits, no more than 12 credits with the same course code.				
Course	**Cr.**		**Course**	**Cr.**
			Total Gen Ed credits	40

General Education Outcome Audit	
	Course
KNOWLEDGE	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
COMPETENCIES	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
RESPONSIBILITIES	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
INTEGRATE & APPLY	
D1. Ability to synthesize	
GRAND CHALLENGE	
G. Check that at least one course of your 40 credits is an approved "G" course	

SEE OPPOSITE SIDE FOR PROGRAM REQUIREMENTS.

NOTE: This worksheet is a snapshot of your entire curriculum. You must work with your advisor each term to discuss requirements to keep you on course for timely progress to complete this major. Official requirements for graduation are listed in the University Catalog.

Please note: Both major and cumulative GPA must be 2.00 or higher in order to graduate.