Mathematics-BS

THE UNIVERSITY OF RHODE ISLAND

FALL 2024-SPRING 2025

Applied Option120 Credits Total44 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	2 37 37		
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; PHY 410; CHE 272					
		3-4			

Free elective credits

(to meet the 120 credits required for graduation):

Course	ourse Credits Course Credits		
Course	Credits	Course	Credits

MTH 101, 103, 104, 105, 106, 107, 108, 109, 110, 111, 208, 209, 362, and 420 may not be used toward this degree.

^{*}Course approved for general education credit

120 Credits Total 44 Credits in Major

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.