Mathematics-BS

THE UNIVERSITY OF RHODE ISLAND

FALL 2018-SPRING 2019

Applied Option 120 Credits Total 46 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	
	redits of MTH, h must be at th		edits of
MTH		3	
MTH		3	
MTH		3	
MTH 4		3	
	of the following 5/436 or MTH		MTH
MTH 4		3-4	
MTH 4		3-4	

Nine (9) credits chosen from Group I:

BME 207; BUS 320, 321, 335, 337; CHE 272, 313, 314; CHM 431, 432: CSC 340, 350, 406, 418, 440, 445; ECN 323, 324, 327, 328, 375; ELE 313, 314, 322, 438, 457; ISE 411, 412, 432, 433; 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):

(to meet the 120 credits requi			quireu ioi graut	iation):
Course	Credits		Course	Credits
ļ.				

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

Mathematics-BS *Applied Option* 120

THE UNIVERSITY OF RHODE ISLAND

FALL 2018-SPRING 2019

Applied Option 12 Credits Total 46 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.

<u>STEP 2:</u>

General Education Credit Count				
At least 40 c	At least 40 credits, no more than 12 credits with the same course code.			
Course	Cr.		Course	Cr.
				8
		,		
			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.

B.S Mathematics Applied Option (2019-2020 Catalog)

Requirements by Type please see reverse for requirements by year

For course titles and pre-requisite information, please visit: uri.edu/catalog

Fall	Spring	Milestones
	Year One	
MTH 141 (Gen Ed)	MTH 142	Overall GPA 2.00
Gen Ed	Gen Ed	Complete URI 101
Gen Ed	Gen Ed	Complete 30cr (or consider summer/J-term courses)
Gen Ed	Gen Ed	Complete MTH 141 with a C- or better
Gen Ed	Gen Ed	Meet with Advisor for credit check
URI 101		Move from UC to College of Arts &
(17 cr total)	(16-17 cr total)	Sciences (Complete 24 credits and overall GPA 2.00

	Year Two	
MTH 215	MTH 243	Overall GPA 2.00
Gen Ed	Group 1 Applications	Consider Minor area of study
Gen Ed	Gen Ed	
Gen Ed	CSC, PHY, or CHE course	Complete 60cr
Elective	Elective	Complete MTH 141,142, 215 and 243
15-16 cr total)	(15-16 cr total)	Complete CSC, PHY, or CHE course. Declare Subplan
		Meet with advisor
		Consider second major
	Year Three	
Group 1 Applications	Group 1 Applications	Overall GPA 2.00
MTH Elective	MTH Elective	Declare and complete minor area of study (optional)
MTH Elective	Elective	Declare second major (optional)
Elective	Elective	Complete 90cr
Elective	Elective	Complete 9 credits of Group 1 Applications
(15 cr total)	(15 cr total)	Meet with advisor

Year Four		
MTH 435 or MTH 437	MTH 436 or MTH 438	Overall GPA 2.00
MTH Elective	Elective	Complete 120cr
Elective	Elective	Meet with advisor to complete intent to graduate form by Oct. 1
Elective	Elective	
Elective	Elective	
(15 cr total)	(15 cr total)	

Note: This plan is not intended to be prescriptive. Credits in transfer, as well as summer or j-term coursework, may result in deviations from the above recommendations.