

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; BUS 321, 335, 337, 420; CHE 213, 272, 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			
<i>Students may receive credit for STA 307 or STA 308 or STA 409—not all three.</i>			
		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	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

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.

B.S. Mathematics Applied Option (2020-2021 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 A1, B3)	MTH 142	Complete URI 101
Gen Ed	Gen Ed	Look at Group 1 pre requisites
Gen Ed	Gen Ed	Complete 30cr (or consider summer/J-term courses)
Gen Ed	Gen Ed	Complete MTH 141 and 142 with a C- or better
Gen Ed	Gen Ed	Meet with Advisor for credit check
URI 101		Move from UC to College of A&S
(17-18 total credits)	(16 total credits)	Complete 24 credits and 2.00 or higher GPA

Year Two		
MTH 215	MTH Elective	Overall GPA 2.00
MTH 243	CSC, PHY, or CHE course	Consider second major or Minor area of study
Gen Ed	Group 1 Applications	Complete 60cr
Gen Ed	Gen Ed	Complete MTH 141,142, 215 and 243
Elective	Elective	Complete CSC, PHY, or CHE course
(15-16 total credits)	(15 total credits)	

Year Three		
MTH Elective	MTH Elective	Overall GPA 2.00
Group 1 Applications	Group 1 Applications	Declare and complete minor area of study (optional)
Upper-level elective	Upper-level elective	Declare second major (optional)
Elective	Upper-level elective	Complete 90cr
Elective	Elective	Meet with advisor for 300-level or above credit check
(15 total credits)	(15 total credits)	Complete all 3 courses from group 1

Year Four		
MTH 435 or 437	MTH 436 or 438	Overall GPA 2.00
MTH 400-level elective course	Upper-level elective	Complete 120cr
Upper-level elective	Upper-level elective	Meet with advisor to complete intent to graduate form by Oct. 1
Upper-level elective	Upper-level elective	
Upper-level elective	Elective	
(15 total credits)	(15 total credits)	

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.