

**ABOUT THE MATHEMATICS BA DEGREE:**

The BA program in Mathematics includes core courses along with higher level courses in several areas that allow you to explore the fascinating world of mathematics.

**STEP 1:**

**Major Requirements:**

Course	Semester	Credits	Grade
MTH 141		4	
MTH 142		4	
MTH 215		3	
MTH 243		3	
MTH 307		3	
MTH 316		3	
MTH 4__		3	
MTH ____		3	
MTH ____		3	
MTH ____		3	

*Optional Major Electives (do not exceed 45 MTH credits)*


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

**42 credits at the 300-level or higher**  
(major and general education courses may fulfill this requirement)

Course	Credits	Course	Credits

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

Course	Credits	Course	Credits

**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:**

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

<b>General Education Outcome Audit</b>	
	Course
<b>KNOWLEDGE</b>	
A1. STEM	
A2. Social & Behavioral Sciences	
A3. Humanities	
A4. Arts & Design	
<b>COMPETENCIES</b>	
B1. Write effectively	
B2. Communicate effectively	
B3. Mathematical, statistical, or computational strategies	
B4. Information literacy	
<b>RESPONSIBILITIES</b>	
C1. Civic knowledge & responsibilities	
C2. Global responsibilities	
C3. Diversity and Inclusion	
<b>INTEGRATE &amp; APPLY</b>	
D1. Ability to synthesize	
<b>GRAND CHALLENGE</b>	
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 sheet 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.A Mathematics (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](http://uri.edu/catalog)

Fall	Spring	Milestones
<b>Year One</b>		
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 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 Arts & Sciences (Complete 24 credits and
(17-18 cr total)	(16 cr total)	

overall GPA 2.00

<b>Year Two</b>		
MTH 215	MTH 243	Overall GPA 2.00
Gen Ed	MTH 307	Consider Minor area of study
Gen Ed	Elective	Complete 60cr
Elective	Gen Ed	Complete MTH 141,142, 215 and 243
(15-16 cr total)	(15 cr total)	Meet with advisor Consider second major

<b>Year Three</b>		
MTH Elective	MTH 316	Overall GPA 2.00
Upper-level elective	MTH Elective	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 cr total)	(15 cr total)	

<b>Year Four</b>		
MTH 400-level course	Upper-level elective	Overall GPA 2.00
MTH Elective	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 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.