

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 | |
| <i>Optional Major Electives (do not exceed 45 MTH credits)</i> | | | |
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| 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 |
|--------|---------|--------|---------|
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Free elective credits
 (to meet the 120 credits required for graduation):

| Course | Credits | Course | Credits |
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*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:

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

STEP 3:

| 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 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 (2021-2022 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 | 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 A&S |
| (17-18 total credits) | (16 total credits) | Complete 24 credits and 2.00 or higher GPA |

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|-----------------------|--------------------|--|
| Year Two | | |
| MTH 215 | MTH 243 | Overall GPA 2.00 |
| Gen Ed | MTH 307 | Consider second major of Minor area of study |
| Gen Ed | Elective | Complete 60cr Complete MTH 141,142, 215 and 243 |
| Elective | Elective | |
| Elective | Gen Ed | |
| (15-16 total credits) | (15 total credits) | |

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|----------------------|----------------------|---|
| Year Three | | |
| 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 total credits) | (15 total credits) | |

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|----------------------|----------------------|---|
| Year Four | | |
| 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 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.