

**Fall 2019**  
**Bachelor of Science in Mathematics**  
**Specialization in Applied Mathematics**

**BG Perspective (BGP) Requirements**

**Must complete at least 1 course in each of the following:**

English Composition and Oral Communication Course	Credits
_____	_____
Quantitative Literacy	_____
_____	_____

**Must Complete at least 2 courses in each of the following:**

Humanities and the Arts	_____
_____	_____
Natural Sciences - at least one Lab Science required	_____
_____	_____
Social and Behavioral Sciences	_____
_____	_____

**Complete total required BGP credit hours by selecting courses from any of the above categories:**

_____	_____
_____	_____
_____	_____

**University Requirements** Designated courses in Humanities and the Arts and the Social and Behavioral Sciences domains may be used to fulfill both the BGP requirement and one of the following university requirements:

Cultural Diversity in the US	_____
International Perspective	_____

**Composition Requirement:**

WRIT 1120 Research Writing	_____
Total BGP Credits: Must be at least 36	_____

**Arts & Sciences Requirements**

**Foreign Language** ( \_\_\_\_\_ yrs of HS \_\_\_\_\_ )

_____	1010	_____
_____	1020	_____
_____	2010	_____
_____	2020/2120	_____

**Lab Science**

\_\_\_\_\_

**Quantitative Literacy**

\_\_\_\_\_ EITHER MATH 1310 OR MATH 1340 & MATH 1350

**Multidisciplinary Component** Select from approved offerings, in consultation with an advisor and a faculty mentor. Four courses total, each with a different subject prefix. At least two courses at 3000/4000 level. Courses applied to the Arts & Sciences MDC may not be used to fulfill other Arts and Sciences degree requirements, nor may they be used to fulfill major, minor, BGP or other program requirements.

_____	_____	_____
_____	_____	_____
_____	_____	_____

**Major Requirements** (38 Hrs.; 2.0 GPA in courses listed below)

Hrs	Grade	
_____ 5	_____	MATH 1310 Calculus & Analytic Geometry I (QL)
_____ 5	_____	MATH 2320 Calculus & Analytic Geometry II
_____ 4	_____	MATH 2350 Calculus & Analytic Geometry III with Vector Fields
_____ 3	_____	MATH 3220 Discrete Mathematics
_____ 3	_____	MATH 3320 Elementary Linear Algebra
_____ 3	_____	MATH 3370 Differential Equations
_____ 3	_____	MATH 4320 Linear Algebra w/ applications
_____ 3	_____	MATH 4650 Intro to Real Analysis I
_____ 3	_____	MATH 4510 Numerical Analysis
_____ 3	_____	MATH 4410 Probability & Statistics I

Note: The MATH 1310 requirement may be met by taking MATH 1340-1350.  
 Note: The MATH 2350 requirement may be met by taking MATH 2330 and 2340.

Plus 1 course from the following

_____ 3	_____	MATH 4370, 4390, 4420, 4450, 4470
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**Also required**

_____ 5	_____	PHYS 2110 University Physics I
_____ 5	_____	PHYS 2120 University Physics II

**Minor Requirements** (usually 21 hours)

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**Electives and Non-Credit Courses**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
Name (Print First & Last Name)

\_\_\_\_\_  
BGSU ID#

\_\_\_\_\_  
Phone (Cell or Local Number)

**For Graduation You Will Need:**

1. 122 credit hours minimum.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

2. Minimum GPA 2.00.

**Current GPA** \_\_\_\_\_

3. At least 30 credit hours of BGSU course work.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

4. 40 credit hours at the 3000/4000 level.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

5. Completion of all degree requirements, including the BG Perspective Core.

**In Progress/Completed** \_\_\_\_\_ **Needed** \_\_\_\_\_

6. A major, and if required, a minor, specialization or emphasis.

**Declared with the College Office**  **Yes**  **No**

Any substitution or waiver of courses required for your major or minor program must originate in the department/school offering the major or minor and must be approved by the College Office.

To ensure a timely graduation, see a **College Advisor** during the semester prior to your intended graduation.

Remember to complete an **Application for Graduation** by the end of the second week of classes during the fall semester or spring regular session, or by the end of the first week of the summer semester. For the specific dates, check your DARS. You may log onto MyBGSU to complete the online application. After the deadlines, you will need to complete an application in person in the College Office.