

Fall 2019
Bachelor of Science in Mathematics
Specialization in Data Science

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 (44-49 hours)

Hrs	Grade	
5-6	_____	MATH 1310 Calculus & Analytic Geometry I OR MATH 1340 Calculus & Analytic Geometry IA AND MATH 1350 Calculus & Analytic Geometry IB
5	_____	MATH 2320 Calculus & Analytic Geometry II
3-4	_____	MATH 2330 Calculus & Analytic Geometry III OR MATH 2350 Calculus & Analytic Geometry III with Vector Fields
3	_____	CS 2010 Introduction to Programming
1	_____	MATH 2960 Introduction to Data Science
3	_____	MATH 3320 Elementary Linear Algebra
3	_____	MATH 3430 Computing with Data
3	_____	MATH 3440 Statistical Programming
3	_____	MATH 4410 Probability & Statistics I
3	_____	MATH 4440 Statistical Learning
3	_____	STAT 4020 Regression Analysis
3-6	_____	MATH 4900 Capstone Experience

Choose 2 of the following courses: MATH 4320, MATH 4420, MATH 4470, CS 2020, STAT 4440, CS 4400, CS 4620

Capstone Experience (indicate SP, ST, HP, IN, REU, Other and Title)

Title: _____

Lab Science Sequence: Students must take an approved Arts & Sciences lab science sequence.

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.