

# Spring 2021 - current Bachelor of Science in Microbiology

## 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	_____
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Total BGP Credits: Must be at least 36 \_\_\_\_\_

## Arts & Sciences Requirements

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

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

**Lab Science**

_____	_____
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**Quantitative Literacy**

_____	_____	EITHER MATH 1310 OR MATH 1340 & MATH 1350
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**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 (32 Hrs.)

Hrs	Grade	
1	_____	BIOL 2000 Biology Today
4	_____	BIOL 2040 Concepts in Biology I
4	_____	BIOL 2050 Concepts in Biology II
4	_____	BIOL 3130 Microbiology
3	_____	BIOL 3510 Evolution

**16 hours of BIOL electives including**

**10 hours from the following:**

- BIOL 4000 Special Topics in Biology (up to 3 hrs. in Microbiology Topics with Faculty Advisor approval)
- BIOL 4010 Introduction to Biological Research (up to 2 hours with faculty advisor approval)
- BIOL 4080 Molecular Biology
- BIOL 4210 Molecular Biotechnology
- BIOL 4260 Principles of Biometry
- BIOL 4390 Immunobiology
- BIOL 4420 Virus and Plasmid Biology
- BIOL 4430 Microbial Physiology
- BIOL 4450 Environmental Microbiology
- BIOL 4470 Ornithology
- BIOL 4490 Epidemiology
- BIOL 4660 Scanning Electron Microscopy

**6 remaining hours from above or from:**

- BIOL 4050 General Parasitology
- BIOL 4070 Cell Biology
- BIOL 4370 Light Microscopes and 3D Imaging
- BIOL 4460 Scanning Electron Microscopy
- BIOL 4480 Molecular Evolution

**OR with Faculty Advisor approval**

- BIOL 4000 Special Topics in Biology
- BIOL 4010 Introduction to Biological Research
- BIOL 4020 Honors Thesis
- BIOL 4700 Readings in Biological Sciences
- BIOL 4890 Biology Internship
- BIOL 4900 Seminar

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

## Additional Required Courses: Chemistry & Physics

### General Chemistry I

4	_____	CHEM 1230 General Chemistry I and
1	_____	CHEM 1240 General Chemistry I Lab <b>OR</b>
5	_____	CHEM 1350 General Chemistry w/lab

### General Chemistry II

4	_____	CHEM 1270 or 1370 General Chemistry II
1	_____	CHEM 1280 or 1380 General Chemistry II Lab

### Organic Chemistry

4-5	_____	CHEM 3060 Basic Organic Chemistry <b>OR</b>
		CHEM 3410 Organic Chemistry

### Physics

5	_____	PHYS 2010 College Physics I <b>OR</b>
		PHYS 2110 University Physics I
5	_____	PHYS 2020 College Physics II <b>OR</b>
		PHYS 2120 University Physics II

CS 1000, CS 1010, or IS 2000 recommended

CHEM 2010, CHEM 3080 & 3090 or CHEM 4450 & 4470 are also recommended, particularly for those minoring in chemistry.

**Please see second page for additional information.**

**Minor:** A minor in chemistry (20 hrs.) is recommended, however, all other minors are acceptable.

**Electives**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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Name (Print First & Last Name)

BGSU ID#

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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.