

# Microbiology

## Department Information

- **Department Web Site:**  
[www.ndsu.edu/microbiology/](http://www.ndsu.edu/microbiology/) (<http://www.ndsu.edu/microbiology/>)
- **Credential Offered:**  
B.S.; Minor
- **Official Program Curriculum:**  
[catalog.ndsu.edu/undergraduate/program-curriculum/microbiology/](http://catalog.ndsu.edu/undergraduate/program-curriculum/microbiology/) (<http://catalog.ndsu.edu/undergraduate/program-curriculum/microbiology/>)

## Sample Program Guide

IMPORTANT DISCLAIMER: A Sample Program Guide provides an unofficial guide of program requirements and should be used by prospective students who are considering attending NDSU in the future. It is NOT an official curriculum and should NOT be used by current NDSU students for official degree planning purposes. Note that the official curriculum used by current NDSU students can vary from the Sample Program Guide due to a variety of factors such as, but not limited to, start year, education goals, transfer credit, and course availability.

To ensure proper program completion, enrolled students should utilize Degree Map (<https://www.ndsu.edu/registrar/degreemap/>) and Schedule Planner (<https://www.ndsu.edu/onestop/degree-map-and-planning/>) in Campus Connection and consult regularly with their academic advisor to ensure requirements are being met.

First Year			
Fall	Credits	Spring	Credits
MICR 189*		1 BIOL 151	3
CHEM 121		3 BIOL 151L	1
CHEM 121L		1 CHEM 122	3
BIOL 150		3 CHEM 122L	1
BIOL 150L		1 ENGL 120	3
ENGL 110		3 Gen Ed Social and Behavioral/ Global Perspectives	3
MATH 105 or 146 <sup>2</sup>		3 Gen Ed Wellness	2
		<b>15</b>	<b>16</b>
Second Year			
Fall	Credits	Spring	Credits
COMM 110		3 MICR 352	3
CHEM 341		3 MICR 352L	2
CHEM 341L		1 PLSC 315	3
STAT 330		3 PLSC 315L	1
MICR 350		3 CHEM 342	3
MICR 350L		2 MICR 452	3
		<b>15</b>	<b>15</b>
Third Year			
Fall	Credits	Spring	Credits
BIOC 460		3 BIOC 461	3
PHYS 211		3 PHYS 212	3
PHYS 211L		1 PHYS 212L	1
MICR 470		3 MICR 480	3
PHIL Course Requirements <sup>1</sup>		3 Microbiology Elective	3

		Gen Ed Humanities and Fine Arts/ Cultural Diversity	3
		<b>13</b>	<b>16</b>
<b>Fourth Year</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
Upper Division Writing Gen Ed		3 Microbiology Elective Laboratory <sup>3</sup>	2
MICR 482		3 Microbiology Capstone Elective <sup>4</sup>	2
MICR 475		3 MICR 486 or HON 489 <sup>5</sup>	1
MICR 485 or HON 491		1 Microbiology Elective	3
Microbiology Elective		3 Free Elective	6
Gen Ed Social & Behavioral Sciences		3	
		<b>16</b>	<b>14</b>

**Total Credits: 120**

\*

Only required for first-time, first-year students.

1

Select from PHIL 111, PHIL 210, PHIL 215, PHIL 216, PHIL 225 or PHIL 327

2

Or higher level math

3

BIOC 474 or MICR 445 or MICR 460L or MICR 471

4

MICR 493 or MICR 496 or MICT 471 (must be a minimum of 2 credits)

5

Must be taken with the Capstone course.