

Microbiology

Department Information

- **Department Web Site:**
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/>)

Sample Program Guide

IMPORTANT DISCLAIMER: This guide is not an official curriculum. This guide is a sample four-year degree plan of how students might plan this major with other degree requirements to complete their education in four years. Student plans will vary from this sample due to a variety of factors, such as, but not limited to, start year, education goals, transfer credit, and course availability. To ensure proper degree 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 academic advisors to ensure graduation 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 ²		3 Gen Ed Wellness	2
		15	16
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
		15	15
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 ¹		3 Microbiology Elective	3
Gen Ed Humanities and Fine Arts/ Cultural Diversity		3 MICR 485	1
		16	14

Fourth Year			
Fall	Credits	Spring	Credits
Upper Division Writing Gen Ed		3 Microbiology Elective Laboratory ³	2
MICR 482		3 Microbiology Elective	3
MICR 475		3 MICR 486	1
Microbiology Capstone Elective ⁴		2 Microbiology Elective	3
Gen Ed Social & Behavioral Sciences		3 Free Elective	6
		14	15

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 494 or MICR 496 or MICR 497 (must be a minimum of 2 credits)