

# Microbiology Minor

## Minor Requirements

Minimum Credits Required: 16

Code	Title	Credits
<b>Required Courses</b>		
MICR 350 & 350L	General Microbiology and General Microbiology Lab	5
Minor Electives - Select eleven (11) credits from the following:		11
MICR 352	The Science Toolkit: Skills for Scientific Success	
MICR 379	Global Seminar (Global Seminar)	
MICR 445	Animal Cell Culture Techniques	
MICR 452	Microbial Ecology	
MICR 453	Food Microbiology	
MICR 455	Microbial Biotechnology	
MICR 460	Microbial Pathogenesis	
MICR 460L	Microbial Pathogenesis Laboratory	
MICR 463	Clinical Parasitology	
MICR 470	Basic Immunology	
MICR 471	Immunology and Serology Laboratory	
MICR 475	Virology	
MICR 480	Microbial Physiology	
MICR 481	Microbial Genomics with Computational Laboratory	
MICR 482	Microbial Genetics	
MICR 491	Seminar (Seminar in Microbiology) <sup>1</sup>	
MICR 493	Undergraduate Research <sup>1</sup>	
MICR 494	Individual Study (Teaching Experience in Microbiology) <sup>1</sup>	
MICR 496	Field Experience (Field Experience in Microbiology) <sup>1</sup>	
MICR 497	FE/Coop Ed/Internship (Internship in Microbiology) <sup>1</sup>	
PH 474	Epidemiology	
<b>Total Credits</b>		<b>16</b>

<sup>1</sup> No more than 3 credits of minor elective credit may come from courses numbered 491-499 to fulfill this requirement.

## Minor Requirements and Notes

- A minimum of 8 credits must be taken at NDSU.
- Students must earn a grade of 'C' or better in the courses used to satisfy the minor requirements.