

# Microbiology

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## Department Information

- **Department Web Site:**  
www.ndsu.edu/microbiology/ (<http://www.ndsu.edu/microbiology/>)
- **Credential Offered:**  
B.S.; Minor
- **Sample Program Guide:**  
[catalog.ndsu.edu/programs-study/undergraduate/microbiology/#planofstudytext](http://catalog.ndsu.edu/programs-study/undergraduate/microbiology/#planofstudytext) (<http://catalog.ndsu.edu/programs-study/undergraduate/microbiology/#planofstudytext>)

## Minor Requirements

### Minor: Microbiology

Required Credits: 16

Code	Title	Credits
<b>Required Courses</b>		
MICR 350 & 350L	General Microbiology and General Microbiology Lab	5
Elective Courses: Select 11 credits from the following:		11
No more than 3 credits may come from courses numbered 491-499 to fulfill this requirement.		
MICR 352	Critical Skills in Microbiology	
MICR 379	Study Tour Abroad	
MICR 445	Animal Cell Culture Techniques	
MICR 452	Microbial Ecology	
MICR 453	Food Microbiology	
MICR 460	Microbial Pathogenesis	
MICR 460L	Microbial Pathogenesis Laboratory	
MICR 463	Clinical Parasitology	
MICR 470	Basic Immunology	
MICR 471	Immunology and Serology Laboratory	
PH 474	Epidemiology	
MICR 475	Virology	
MICR 480	Microbial Physiology	
MICR 481	Microbial Genomics with Computational Laboratory	
MICR 482	Microbial Genetics	
MICR 491	Seminar	
MICR 494	Individual Study	
MICR 496	Field Experience	
MICR 499	Special Topics	
<b>Total Credits</b>		<b>16</b>

### Minor Requirements and Notes

- A minimum of 8 credits must be taken at NDSU.
- Students must earn a 2.50 minimum GPA for the minor with a grade of 'C' or better in the courses used to satisfy the minor requirements.