

# Biotechnology

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## Department Information

- **Department Web Site:**  
www.ndsu.edu/agriculture/academics/academic-units/microbiological-sciences (<http://www.ndsu.edu/agriculture/academics/academic-units/microbiological-sciences/>)
- **Credential Offered:**  
B.S.; Minor
- **Sample Program Guide:**  
catalog.ndsu.edu/programs-study/undergraduate/biotechnology/#planofstudytext (<http://catalog.ndsu.edu/programs-study/undergraduate/biotechnology/#planofstudytext>)

## Minor Requirements

### Minor: Biotechnology

Required Credits: 20

Code	Title	Credits
BIOC 460	Foundations of Biochemistry and Molecular Biology I	3
BIOC 461	Foundations of Biochemistry and Molecular Biology II	3
PLSC 315 & 315L	Genetics and Genetics Laboratory	4
Biotechnology Technique Electives: Select 4 credits from the following:		4
BIOC 473	Methods of Biochemical Research	
BIOC 474	Methods of Recombinant DNA Technology	
MICR 445	Animal Cell Culture Techniques	
MICR 471	Immunology and Serology Laboratory	
PLSC 484	Plant Tissue Culture and Biotechnology	
Specialized Electives: Select 6 credits from the following:		6
ANSC 314		
ANSC 357	Animal Genetics	
MICR 455	Microbial Biotechnology	
MICR 470	Basic Immunology	
MICR 480	Microbial Physiology	
MICR 482	Microbial Genetics	
PLSC 380	Principles of Plant Physiology	
PLSC 431	Intermediate Genetics	
BIOL 370	Cell Biology	
BIOL 460	Animal Physiology	
<b>Total Credits</b>		<b>20</b>

### Minor Requirements and Notes

- A minimum of 8 credits must be taken at NDSU.