

# Biotechnology

## Department Information

- **Department Location:**  
Van Es Hall
- **Department Phone:**  
701-231-8892
- **Department Web Site:**  
[www.ndsu.edu/majors/biotech/](http://www.ndsu.edu/majors/biotech/) (<http://www.ndsu.edu/majors/biotech/>)
- **Credential Offered:**  
B.S.
- **Official Program Curriculum:**  
[catalog.ndsu.edu/undergraduate/program-curriculum/biotechnology/](http://catalog.ndsu.edu/undergraduate/program-curriculum/biotechnology/) (<http://catalog.ndsu.edu/undergraduate/program-curriculum/biotechnology/>)

## Sample Program Guide

Please note this is a sample program guide and not an official curriculum. Actual student schedules for each semester will vary depending on start year, education goals, applicable transfer credit, and course availability. Once admitted, students are encouraged to work with their assigned academic advisor on a regular basis to review degree progress.

First Year			
Fall	Credits	Spring	Credits
MICR 189		1 Humanity or Social/Behavioral Science GE	3
ENGL 110		3 ENGL 120	3
MATH 165		4 BIOL 151	3
BIOL 150		3 BIOL 151L	1
BIOL 150L		1 CHEM 122	3
CHEM 121		3 CHEM 122L	1
CHEM 121L		1	
		<b>16</b>	<b>14</b>
Second Year			
Fall	Credits	Spring	Credits
COMM 110		3 Wellness GE	2
STAT 330		3 Humanities/Fine Arts GE	3
MICR 350		3 CHEM 342	3
MICR 350L		2 PLSC 315	3
CHEM 341		3 PLSC 315L	1
CHEM 341L		1 MICR 445	2
		<b>15</b>	<b>14</b>
Third Year			
Fall	Credits	Spring	Credits
Social/Behavioral Sciences GE		3 Humanities/Fine Arts GE	3
PHYS 211		3 Upper Division Writing GE	3
PHYS 211L		1 PHYS 212	3
BIOC 460		3 PHYS 212L	1
MICR 470		3 BIOC 461	3

MICR 471	2	MICR 480	3
		<b>15</b>	<b>16</b>
<b>Fourth Year</b>			
<b>Fall</b>	<b>Credits</b>	<b>Spring</b>	<b>Credits</b>
Social/Behavioral Sciences GE		3 Global Perspectives GE	3
CHEM 431		3 CSCI 114	3
BIOC 487		3 BIOC 474	3
MICR 482		3 MICR 491	1
MICR 493		2 MICR 494 (Biotechnology Senior Thesis) A three-credit internship may be substituted for the Research/Thesis requirement	1
Elective		2 Cultural Diversity GE	3
		<b>16</b>	<b>14</b>
<b>Total Credits: 120</b>			