Biotechnology

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**

**Minor Requirements**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOC 460</td>
<td>Foundations of Biochemistry and Molecular Biology I</td>
<td>3</td>
</tr>
<tr>
<td>BIOC 461</td>
<td>Foundations of Biochemistry and Molecular Biology II</td>
<td>3</td>
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<tr>
<td>PLSC 315 &amp; 315L</td>
<td>Genetics and Genetics Laboratory</td>
<td>4</td>
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**Biotechnology Technique Electives:** Select 4 credits from the following:

- BIOC 473 | Methods of Biochemical Research
- BIOC 474 | Methods of Recombinant DNA Technology
- MICR 445 | Animal Cell Culture Techniques
- PLSC 484 | Plant Tissue Culture and Biotechnology

**Specialized Electives:** Select 6 credits from the following:

- MICR 470 | Basic Immunology
- MICR 471 | Immunology and Serology Laboratory
- MICR 482 | Microbial Genetics
- PPHTH 324 | Introductory Plant Pathology
- PLSC 380 | Principles of Plant Physiology
- BIOL 370 | Cell Biology
- BIOL 460 | Animal Physiology

**Total Credits**

20

**Minor Requirements and Notes**

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