Microbiology

Department Information

• **Department Location:**
  Van Es Hall

• **Department Phone:**
  701-231-7512

• **Department Web Site:**
  www.ndsu.edu/microbiology/ (http://www.ndsu.edu/microbiology/)

• **Credential Offered:**
  B.S.

• **Plan Of Study Sample:**
  bulletin.ndsu.edu/programs-study/undergraduate/microbiology/#planofstudytext (http://bulletin.ndsu.edu/programs-study/undergraduate/microbiology/#planofstudytext)

Minor Requirements

Minor: Microbiology

Required Credits: 16

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICR 350 &amp; 350L</td>
<td>General Microbiology and General Microbiology Lab</td>
<td>5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MICR 352</td>
<td>General Microbiology II</td>
</tr>
<tr>
<td>MICR 379</td>
<td>Study Tour Abroad</td>
</tr>
<tr>
<td>MICR 445</td>
<td>Animal Cell Culture Techniques</td>
</tr>
<tr>
<td>MICR 452</td>
<td>Microbial Ecology</td>
</tr>
<tr>
<td>MICR 453</td>
<td>Food Microbiology</td>
</tr>
<tr>
<td>MICR 460</td>
<td>Pathogenic Microbiology</td>
</tr>
<tr>
<td>or MICR 450</td>
<td>Infectious Disease Pathogenesis</td>
</tr>
<tr>
<td>MICR 460L</td>
<td>Pathogenic Microbiology Laboratory</td>
</tr>
<tr>
<td>or MICR 450L</td>
<td>Infectious Disease Pathogenesis Laboratory</td>
</tr>
<tr>
<td>MICR 463</td>
<td>Clinical Parasitology</td>
</tr>
<tr>
<td>MICR 470</td>
<td>Basic Immunology</td>
</tr>
<tr>
<td>MICR 471</td>
<td>Immunology and Serology Laboratory</td>
</tr>
<tr>
<td>MICR 472</td>
<td>Clinical Immunology</td>
</tr>
<tr>
<td>MICR 474</td>
<td>Epidemiology (see SAFE)</td>
</tr>
<tr>
<td>MICR 475</td>
<td>Virology</td>
</tr>
<tr>
<td>MICR 480</td>
<td>Microbial Physiology</td>
</tr>
<tr>
<td>MICR 481</td>
<td>Microbial Genomics with Computational Laboratory</td>
</tr>
<tr>
<td>MICR 482</td>
<td>Microbial Genetics</td>
</tr>
<tr>
<td>MICR 491</td>
<td>Seminar</td>
</tr>
<tr>
<td>MICR 494</td>
<td>Individual Study</td>
</tr>
<tr>
<td>MICR 496</td>
<td>Field Experience</td>
</tr>
<tr>
<td>MICR 499</td>
<td>Special Topics</td>
</tr>
</tbody>
</table>

Total Credits: 16

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.