Biomedical Engineering

Department Information

- **Department Phone:**
  701-231-7494
- **Department Web Site:**
  www.ndsu.edu/coe/
- **Degrees Offered:**
  Minor
- **Program Overview:**
  bulletin.ndsu.edu/programs-study/undergraduate/biomedical-engineering/

Minor Requirements

Biomedical Engineering Minor

Required Credits: 21

Minor Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 150</td>
<td>General Biology I and General Biology I Laboratory</td>
<td>4</td>
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<td>&amp; 150L</td>
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<tr>
<td>CHEM 121</td>
<td>General Chemistry I</td>
<td>3</td>
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<td>BIOL 370</td>
<td>Cell Biology</td>
<td>3</td>
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<td>or BIOL 460</td>
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Electives

- CE 486  Nanotechnology and Nanomaterials
- ECE 483 Instrumentation for Engineers
- ECE 485 Biomedical Engineering
- ECE 487 Cardiovascular Engineering
- ECE 488 Cardiovascular Engineering II
- IME 411 Human Factors Engineering
- IME 453 Hospital Management Engineering
- ME 331 Materials Science and Engineering
- ME 468 Introduction to Biomechanics
- ME 480 Biofluid Mechanics
- ME 486 Nanotechnology and Nanomaterials
- MICR 445 Animal Cell Culture Techniques
- ZOO 460 Animal Physiology

Undergraduate Research: ENGR 193, 293, 393, or 494

Total Credits 21

Minor Requirements and Notes

- A minimum of 8 credits must be taken at NDSU.
- Course pre-requisites apply.
- At least 12 credits that apply to this minor must be unique from courses that apply to the student’s major.