## Reliability Engineering

### Department Information
- **Department Phone:**
  701-231-7494
- **Department Web Site:**
  [www.ndsu.edu/coe/](http://www.ndsu.edu/coe/)
- **Credential Offered:**
  Minor
- **Program Overview:**
  [bulletin.ndsu.edu/programs-study/undergraduate/reliability-engineering/](http://bulletin.ndsu.edu/programs-study/undergraduate/reliability-engineering/)

### Minor: Reliability Engineering

**Required Credits: 18**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IME 460</td>
<td>Evaluation of Engineering Data</td>
<td>3</td>
</tr>
<tr>
<td>IME 463</td>
<td>Reliability Engineering</td>
<td>3</td>
</tr>
<tr>
<td>IME 464</td>
<td>Reliability Analysis</td>
<td>3</td>
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</tbody>
</table>

**Elective Credits: Select 9 credits from the following:**

- IME 450 Systems Engineering and Management
- IME 462 Quality Assurance and Control
- ME 332 Engineering Materials II
- ME 422 Machine Design I
- ME 472 Fatigue and Fracture of Metals
- ECE 341 Random Processes
- ECE 427 Packaging for Electronics
- or IME 427 Packaging for Electronics
- ECE 444 Communications I
- ECE 444 Applied Digital Signal Processing
- STAT 330 Introductory Statistics
- STAT 461 Applied Regression Models
- STAT 462 Introduction to Experimental Design

**Total Credits: 18**

### MINOR NOTE:
- This minor is only available to students pursuing an engineering major.
- 12 of the 18 credits for this minor must be unique and cannot count toward requirements in the student's engineering major.