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 Requirements

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

- IME 450  Systems Engineering and Management
- IME 461  Quality Assurance and Control
- IME 465  Introduction to Machine Learning
- ME 332   Engineering Materials II
- ME 442   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 443  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.