Reliability Engineering

Department Information

- **Department Phone:**
  701-231-7494
- **Department Web Site:**
  www.ndsu.edu/coe/
- **Credential Offered:**
  Minor
- **Program Overview:**
  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>
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<tbody>
<tr>
<td>IME 460</td>
<td>Evaluation of Engineering Data</td>
<td>3</td>
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<tr>
<td>IME 463</td>
<td>Reliability Engineering</td>
<td>3</td>
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<tr>
<td>IME 464</td>
<td>Reliability Analysis</td>
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Elective Credits: Select 9 credits from the following:

<table>
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<tbody>
<tr>
<td>IME 450</td>
<td>Systems Engineering and Management</td>
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</tr>
<tr>
<td>IME 461</td>
<td>Quality Assurance and Control</td>
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<td>ME 332</td>
<td>Engineering Materials II</td>
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<td>ME 442</td>
<td>Machine Design I</td>
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<td>ME 472</td>
<td>Fatigue and Fracture of Metals</td>
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<td>ECE 341</td>
<td>Random Processes</td>
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<tr>
<td>ECE 427</td>
<td>Packaging for Electronics</td>
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<tr>
<td>ECE 427</td>
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<td>or IME 427</td>
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<tr>
<td>ECE 443</td>
<td>Communications I</td>
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<td>ECE 444</td>
<td>Applied Digital Signal Processing</td>
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<td>STAT 330</td>
<td>Introductory Statistics</td>
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<td>STAT 461</td>
<td>Applied Regression Models</td>
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<tr>
<td>STAT 462</td>
<td>Introduction to Experimental Design</td>
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</table>

**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.