Reliability Engineering

Department Information

• **Department Location:**
  106 Engineering Building

• **Department Phone:**
  701-231-9818

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

• **Credential Offered:**
  Minor

• **Program Overview:**
  catalog.ndsu.edu/programs-study/undergraduate/reliability-engineering/ (http://catalog.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.