

# Reliability Engineering

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## Department Information

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

Code	Title	Credits
IME 460	Evaluation of Engineering Data	3
IME 463	Reliability Engineering	3
IME 464	Reliability Analysis	3
Elective Credits: Select 9 credits from the following:		9
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.