

# MANUFACTURING ENGINEERING MINOR

Undergraduate guide – North Dakota State University  
Department of Industrial & Manufacturing Engineering

Student: \_\_\_\_\_ ID: \_\_\_\_\_ Date: \_\_\_\_\_

## REQUIREMENTS: 18 credits

(A minimum of 9 credits must be taken at NDSU)

## Required Courses: 12 credits

Dept	Course #	Course Title	Credits	Grade	Sem/Yr Completed	TR Course <input checked="" type="checkbox"/>
IME	330	Manufacturing Processes	3			
IME	380	CAD/CAM in Manufacturing	3			
IME	430	Process Engineering	3			
IME	431	Production Engineering	3			

## Electives: 6 credits minimum

Dept	Course #	Course Title	Credits	Grade	Sem/Yr Completed	TR Course <input checked="" type="checkbox"/>
IME	335	Welding Technology	3			
IME	427	Electronics Manufacturing	3			
IME	432	Composite Materials Manufacturing	3			
IME	433	Additive Manufacturing	3			
IME	435	Plastics & Injection Molding Mfg.	3			
IME	437	Methods for Precision Manufacturing	3			
IME	461	Quality Assurance & Control	3			
IME	465	Intro to Machine Learning	3			
IME	482	Automated Manufacturing Systems	3			

Only students majoring in an engineering discipline or with department permission, applicable agricultural or physical sciences, may elect a minor in Manufacturing Engineering.