

# INDUSTRIAL ENGINEERING AND MANAGEMENT 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
- 9 of the 18 credits for this minor must be unique and cannot count toward requirements in the student's engineering major.

## Required Courses: 6 credits

Dept	Course #	Course Title	Credits	Grade	Sem/Yr Completed	TR Course <input checked="" type="checkbox"/>
IME	111	Introduction to IME	3			
IME	311	Work Station Design and Measurement	3			

## Electives: 12 credits minimum

Dept	Course #	Course Title	Credits	Grade	Sem/Yr Completed	TR Course <input checked="" type="checkbox"/>
IME	450	Systems Engineering	3			
IME	451	Logistics Engineering	3			
IME	453	Hospital Management Engineering	3			
IME	456	Program and Project Management	3			
IME	461	Quality Assurance and Control	3			
IME	462	Total Quality in Industrial Mgmt.	3			
IME	463	Reliability Engineering	3			
IME	465	Intro to Machine Learning	3			
IME	470	Operations Research 1	3			
IME	472	Simulation Bus. & Industrial Systems	3			
IME	480	Production and Inventory Control	3			
IME	482	Automated Manufacturing Systems	3			
IME	485	Facilities Layout and Design	3			

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