

# Manufacturing Engineering Minor

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For information, contact the Department of Mechanical and Manufacturing Engineering, 56 Garland Hall, 513-529-0710.

This minor is for students not majoring in engineering management, manufacturing engineering, or mechanical engineering. This minor provides fundamentals of manufacturing engineering, including a variety of industrial applications dealing with manufacturing processes, statistical process control, and designing for productivity. It combines a strong base in engineering science with project-based laboratory and design experience.

A minimum cumulative GPA of 2.00 is required for all courses in the minor. None of these courses may be taken on a credit/no-credit basis.

## Program Requirements

(19 semester hours)

Code	Title	Credit Hours
<b>Prerequisites</b>		
CHM 141	College Chemistry	
CEC 101	Computing, Engineering & Society	
MME 102	Introduction to Mechanical and Manufacturing Engineering (or equivalent)	
MTH 151	Calculus I	
MTH 251	Calculus II	
PHY 191	General Physics with Laboratory I	
STA 301	Applied Statistics	
<b>Required courses</b>		
MME 211	Static Modeling of Mechanical Systems	3
MME 213	Computational Methods in Engineering	3
MME 223	Engineering Materials	3
MME 231	Manufacturing Processes	3
MME 311	Dynamic Modeling of Mechanical Systems	3
MME 334	Quality Planning and Control	3
MME 335	Design of Experiments for Quality Control	1
Total Credit Hours		19