

# MANUFACTURING MINOR

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**Total Required Credits: 28**

<b>Code</b>	<b>Title</b>	<b>Credit Hours</b>
IME-100	Interdisciplinary Design and Manufacturing	4
IME-200	Introduction to Industrial Engineering	4
IME-300	Manufacturing Processes	4
Select One of the following		4
CHEM-223	Introduction to Polymer Science	
EP-342	Introduction to Materials Science and Engineering	
MECH-307	Materials Engineering	
Select One of the following		4
IME-471	Quality Control	
IME-473	Design of Experiments	
IME-476	Lean Six Sigma	
Select Two of the following		8
EE-325	Principles of Microelectronics Processing	
IME-403	Computer Numerical Control Machining	
IME-408	Industrial Robotics	
IME-412	Applied Control Systems Design	
IME-414	Design for Manufacturing and Assembly	
MECH-416	Introduction to Finite Element Analysis with Structural Applications	
MECH-482	Mechanics and Design Simulation of Fiber-Reinforced Composite Materials	