

# Minor in Manufacturing Engineering

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## Program Requirements

A minor in manufacturing engineering consists of a minimum of 15 credit hours:

Course	Title	Hours
<b>Select from the following:</b>		<b>15</b>
AE 333	Mechanics of Materials (Applied Engineering students may take APEN 334)	
IME 222 & 222L	Engineering Graphics and Graphics Lab	
IME 258	Manufacturing Methods and Materials I	
IME 425	Kinematic and Dynamic Design	
IME 558	Manufacturing Methods and Materials II	
IME 561	Applied Control Systems	
IME 625	Product Performance Evaluation using CAE	
IME 676	Aircraft Manufacturing and Assembly	
IME 761	Robot Programming and Applications	
IME 762	Smart Manufacturing	
IME 775	Computer Integrated Manufacturing	
IME 780AM	Advanced Cyber-Physical Systems	
ME 250 & ME 251	Materials Engineering and Materials Engineering Laboratory	
ME 672	Manufacturing of Composites	
<b>Total Credit Hours</b>		<b>15</b>

At least 12 credit hours must be taken at WSU with at least a 2.250 GPA in those courses.