

# Certificate in Industrial and Manufacturing Engineering

☐ Requirements: <https://catalog.utsa.edu/undergraduate/engineering/mechanicalengineering/#certificatetext>

A. Required courses:		3
<a href="#">ME 3263</a>	Manufacturing Engineering	
B. ME electives. A minimum of three courses (9 semester credit hours) selected from the following list:		9-12
<a href="#">ME 4503</a>	Lean Manufacturing and Enterprise Engineering	
<a href="#">ME 4563</a>	Computer Integrated Manufacturing	
<a href="#">ME 4573</a>	Facilities Planning and Design	
<a href="#">ME 4583</a>	Enterprise Process Engineering	
<a href="#">ME 4723</a>	Reliability and Quality Control in Engineering Design	
<a href="#">ME 4953</a>	Special Studies in Mechanical Engineering (SS in Operations Research Quality)	
C. Additional electives. If only three courses are selected from list B, then an additional 3 semester credit hours must be completed from the following list:		0-3
<a href="#">EGR 3713</a>	Engineering Economic Analysis	
<a href="#">ME 4773</a>	Robotics	
<a href="#">ME 4953</a>	Special Studies in Mechanical Engineering (SS in Systems Modeling and Analysis)	
Total Credit Hours		15

☐ Application Forms: <https://ceid.utsa.edu/future-undergraduate/#degrees-offered>

- [Preliminary Application](#)
- [Graduation Application](#)