

Masters of Science in Manufacturing Engineering Course History and Tentative Course Offering Matrix (unofficial until published in the UW-Stout timetable)
 updated September 10, 2009

Course			2008				2009				2010				2011				2012				2013			
Number	Title	cr.	WIN	SP	SU	FA	WIN	SP	SU	FA	WIN	SP	SU	FA	WIN	SP	SU	FA	WIN	SP	SU	FA	WIN	SP	SU	FA
CORE CURRICULUM (12 credits)																										
INMGT-700	Organizational Research Methods	3		oc	oc	oc		YES	YES			X		X		X		X		X		X		X		X
INMGT-765	Program Management	3				YES		YES				X				X		X		X		X		X		X
MFGE-735	Industrial Field Problems [A=Arranged]	3		A	A	A		YES	YES	YES		A	A	A		A	A	A		A	A	A		A	A	A
INMGT-640	Lean Enterprise	3				oc		YES	oc			X				X				X				X		
CTEM-701-707	Lean Manufacturing Seminar Series	3																								
Location(s): WITC-Rice Lake [R], WTC-La Crosse [L], WITC-Hudson [H]				L		S		H																		
CVTC-Eau Claire [EC], UW-Stout [ST]				EC																						
WITC-Superior [S], NTC-Wausau [W]																										
MANAGEMENT COMPONENT (6-9 credits)																										
BUACT-610	Cost Analysis	3						oc						X				X				X				X
BUMGT-635	Supply Chain Management in Product Development	3													X					X				X		
INMGT-520	Quality Tools	3		YES				oc	YES			X				X				X				X		
INMGT-525	Quality Management	3						oc				X				X				X				X		
INMGT-600	Organizational Leadership	3		oc				oc	YES	oc		X				X				X				X		
INMGT-616	People Process Culture	3						oc		oc																
INMGT-750	Organizational Development	3						oc																		
INMGT-610	Six Sigma	3		YES				oc		oc		X				X				X				X		
INMGT-705	Enterprise Resource Planning	3						oc										X								X
RC-581	Occupational Safety/Loss Control	3						oc	yes																	
RC-587	Human Factors Engineering	3																								
DEPTH AREA SELECTIVE (9-12 credits req'd, 6 minimum in one area)																										
1) Manufacturing Competitiveness																										
INMGT-625	Quality Improvement Through Planned Experimentation	3								YES						X				X				X		
INMGT-745	Advanced Manufacturing Simulation	3												X												
MFGE-640	Manufacturing Systems Design & Simulation	3										X				X					X				X	
MFGE-655	Reliability Engineering	3										X						X						X		
SUST-730	Sustainable Futures	3							YES							X				X				X		
2) Engineering Materials and Processes																										
MFGE-753	Polymer Engineering	3						YES						X												
MFGE-771	Emerging Manufacturing Materials	3				YES						X						X					X			X
MFGE-775	Emerging Manufacturing Processes	3												X												
3) Mechanical Design																										
MFGE-721	Surface Modeling	3																								
MECH-723	Finite Element Methods and Projects (ME-7540 UW-P)	3				A			YES					X-P					X-P				X-P			X-P
MECH-726	Advanced Mechanics of Materials	3																								
MECH-729	Machine Design	3						YES				X							X				X			X
4) Automation and Control																										
MFGE-710	Classical Control Theory w/Apps (ENGRG 7310, UW-P)	3										X-P	X-P			X-P	X-P			X-P	X-P			X-P	X-P	
MFGE-714	Robot Theory with Apps	3																								
MFGE-719	Integrated Systems and Automation	3																								

Legend: X = Planned to be offered
 X-P = Planned to be offered by UW-Platteville (transfer)
 A = Arranged
 Number of Courses Offered: 0 0 0 0 0 0 0 0 0 0 0 6 5 5 0 5 5 6 0 5 5 5 0 5 5 6

YES = was offered Online
 oc = offered On Campus