

Master's Degree Overview	Course Number and Title	Graduate Certificate Programs								2021			2022			2023			2024		
		Current Project Management	Fall 2021 Project Management	Constraints Management	Logistics & Supply Chain	Manufacturing Leadership	Six Sigma Quality	Systems Engineering													
		2a	2b	2	4a	4c	1	1	2	1	1	2	1	1	1	2	1	1	2	1	
		SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL	SPRING	SUMMER	FALL		
		2213	2215	2217	2223	2225	2227	2233	2235	2237	2243	2245	2247								
Organizations and People	E M 501—Management of Organizations	2a									Bachman	Squires									
	E M 522—Leadership, Supervision, and Management	2b	2										Bachman	Prizzo	Squires	ETM Faculty	Prizzo	Squires	ETM Faculty		
Finance/ Resources	E M 505—Finance for Technical Systems	4c	4a								Squires			ETM Faculty			ETM Faculty				
	E M 566—Systems Engineering Analysis and Practice <i>Starting Fall 2020 this is a substitute for 545</i>							2				Squires			Squires			Squires			
Analytical Methods	E M 540—Operations Research for Managers										Magpili			Magpili			Magpili				
	E M 560—Integrated Supply Chain Management				1	1						Magpili			Magpili			Magpili			
Projects	E M 564—Project Management	1	1									Gray	Gray		ETM Faculty	ETM Faculty		ETM Faculty	ETM Faculty		
	E M 565—Intro to Systems Management							1			Gray			Squires			Squires		Squires		
Variability	E M 580—Quality Control and Reliability							1			Paulus			Paulus			Paulus		Paulus		
	E M 585—Design of Experiments							2				Paulus			Paulus			Paulus			
Strategy	E M 526—Constraints Management			1				3*			Scheinkopf			ETM Faculty			ETM Faculty		ETM Faculty		
	E M 575—Performance Management in Technical Organizations												Prizzo			Prizzo			Prizzo		
	E M 591—Strategic Mngmt of Technology and Innovations in Engineering										Prizzo										
Electives	E M 503—Managing Variability Using Statistics											on demand			on demand			on demand			
	E M 508—Legal Concepts for Engineering and Technical Managers	3	4b									Crick			Crick			Crick	Crick		
	E M 530—Applications of Constraints Management	4a		2	2							Magpili			Magpili			Magpili	Magpili		
	E M 538—Lean Tools for Systems Improvement							2	4a			Paulus			Paulus				Paulus		
	E M 555—Enterprise Resource Management				4a								Paulus			Paulus					
	E M 567—System Supportability and Logistics Management				3						Gray		Gray			ETM Faculty			ETM Faculty		
	E M 568—Risk Assessment and Management	4b	3		4b	4a			3a		Magpili		Magpili			Magpili			Magpili		
	E M 570—Systems Improvement: Integrating TOC, Lean, and Six Sigma	4d	4c	3				3*	3	3b			Paulus				Paulus				
	E M 587—Managing Human Factors for Safety and Productivity							4b				Paulus			Paulus				Paulus		
E M 590—Leading Design and Innovation				4c	4c	4b					Paulus			Paulus				Paulus			
Capstone	E M 701—Independent Study / Capstone										ETM Faculty		ETM Faculty	ETM Faculty		ETM Faculty	ETM Faculty	ETM Faculty	ETM Faculty		

* 570 can substitute 526 in Manufacturing Leadership certificate.