

Plan for MS in Engineering Management Course Offerings 2021-23

This is the tentative set of courses planned for Summer 2021 through Spring 2023. This schedule is regularly reviewed to better serve the needs of students and faculty. Updates will be posted at least once per semester. Please discuss with the MSEM program adviser if you have specific needs.

The first table lists the offerings of **Management** and **Technical** Core courses. The program requires 3 courses on the **Management** and three on the **Technical** Core. The second table (see next page) provides a wide array of additional, relevant electives for MSEM students. Other options are available throughout the university. Please consult with your adviser if interested in courses beyond these to best fit your interests and career goals.

EM Tentative Core Course Offerings		2021-22			2022-23		
		Summer	Fall	Spring	Summer	Fall	Spring
MIE 532	Network Optimization			Online and On-Campus			
MIE 597AS	Analytics and Statistical Learning					On-Campus	
MIE 597SL	Supply Chain Logistics		On-campus and online				
MIE 645	Project Budgeting and Finance for Engineers	Online		Online and On-Campus	Online		Online and On-Campus
MIE 646	Fundamentals of Systems Engineering			Online and On-campus			Online and On-campus
MIE 651	Advanced Production Planning						Online and On-Campus
MIE 654	Economic Decision Making	Online			Online		
MIE 657	Human Factors Design		Online and On-campus			Online and On-campus	
MIE 664	Engineering Leadership and Entrepreneurship		Online	On-campus		Online	On-campus
MIE 670	Technical Project Management	Online	Online and On-campus		Online	Online and On-campus	
MIE 686X	Multicriteria Decision Making						Online and On-campus
MIE 697U	Strategy-Driven Engineering Innovation	Online		Online	Online	Online	
MIE 754	Economic Decision Making II						On-Campus
SCH-MGMT 597L	Negotiations Theory & Practice		Online	On-Campus		Online	On-Campus
SCH-MGMT 783	Business Law	Online	Hybrid	Hybrid	Online	Hybrid	Hybrid

		2021-22			2022-23		
EM Selected Elective Course Offerings Plan		Summer	Fall	Spring	Summer	Fall	Spring
MIE 565	Operations Research in Healthcare						On-campus
MIE 597AU	Industrial Automation			On-Campus			On-campus
MIE 597 AV	Automated Vehicle Systems					On-Campus	
MIE 597VR	Augmented and Virtual Reality Design	Online	Online and On-campus			Online and On-campus	
MIE 597IM	Intelligent Manufacturing Systems		On-Campus			On-Campus	
MIE 620	Linear Programming		On-campus			On-campus	
MIE 684	Stochastic Processes			On-campus			On-campus
MIE 697RM	Research Methods		On-campus				
MIE 697SB	Simulation-Based Optimization			On-campus			
MIE 724	Non-Linear and Dynamic Programming						On-campus
SCH-MGMT 597LG	Humanitarian Logistics and Health Care			On-Campus			On-Campus
SCH-MGMT 597S	Sustainable Product Innovation			On-Campus			On-Campus
SCH-MGMT 601	Data Mgmt/Business Leaders	Online	Online		Online	Online	
SCH-MGMT 602	Business Intelligence and Analytics	Online	Online	Online	Online	Online	Online
SCH-MGMT 632	Strategic Information Management	Online	Online	Online	Online	Online	Online
SCH-MGMT 633	Financial & Managerial Accounting (4crs)	Online	Online	Online	Online	Online	Online
SCH-MGMT 640	Corporate Finance	Online			Online		
SCH-MGMT 650	Statistics for Business	Online	Online		Online	Online	
SCH-MGMT 656	Project Management		Online			Online	
SCH-MGMT 660	Marketing Strategy			Online			Online
SCH-MGMT 670	Operations Management	Online	Online	Online	Online	Online	Online
SCH-MGMT680	Leadership & Org Behavior	Online	Online		Online	Online	
SCH-MGMT 697CA	Supply Chain Analytics	Online			Online		
SCH-MGMT 697CV	Facing Dilemmas: Case Studies in Corporate Values			On-Campus			On-Campus
SCH-MGMT 697MN	Analysis for General Managers		On-Campus			On-Campus	
SCH-MGMT 752	Business Process Optimization		On-Campus			On-Campus	
SCH-MGMT 758	Supply Chain		On-Campus			On-Campus	
SCH-MGMT 797AE	Stochastic Models			On-Campus			On-Campus
SCH-MGMT 795L	Leadership & Beyond-hybrid		On-Campus			On-Campus	