



Mutah University
College of Graduate Studies

Master's Degree in Engineering Management/Industrial Systems Engineering Department Comprehensive Track

Comprehensive Track: The total credit hours required for graduation are 33 credit hours, distributed as follows:

A: - Specialization Requirements Compulsory Credit Hours (24)	Course Code	Course Title	Credit Hours	Prerequisite
	0406720	Advanced Engineering Economy	3	Engineering Economics
	0406724	Research Methodology	3	Probability, Stochastic Processes and Statistics
	0406726	Advanced Project Planning and Scheduling	3	Project Managements
	0406730	Advanced Engineering Statistics	3	Probability, Stochastic Processes and Statistics
	0406732	Advanced Systems Simulation and Modeling	3	Probability, Stochastic Processes and Statistics
	0406776	Advanced Total Quality Management	3	Probability, Stochastic Processes and Statistics
	0406774	Advanced Production and Operations Management	3	Probability, Stochastic Processes and Statistics
	0406721	Advanced Operations Research	3	Probability, Stochastic Processes and Statistics

B: - Elective Major Requirements Credit Hours (9)	Course Code	Course Title	Credit Hours	Prerequisite
	0406740	Special Topics in Engineering Management	3	---
	0406741	Safety Management and Engineering	3	---
	0406742	Systems Of Information Management	3	---
	0406746	Cost Estimation and Control for Engineers	3	---
0406773	Advanced Inventory Management and Control	3	Probability, Stochastic Processes and Statistics	



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	0406775	Advanced Engineering Maintenance Management	3	Probability, Stochastic Processes and Statistics
	0406738	Selected Research Topics	3	Research Methodology
	0406771	Contracts and Legislations	3	-----
	0406772	Artificial Intelligence Integration in Engineering Management	3	Probability, Stochastic Processes and Statistics

C: - College Compulsory	Course Code	Course Title	Credit Hours	Prerequisite
	Continuous Registration	0	
		Comprehensive Exam	0	