

Engineering Management - Master's Program - Course Schedule

Course Number	Credit Hours	Course Title	Prerequisites per Graduate Catalog									
				SP19	SU19	FA19	SP20	SU20	FA20	SP21	SU21	FA21
EM 501	3-6	Capstone		x	x	x		x	x		x	
EM 532	3	Productivity & Quality Engineering	NA		x			x			x	
EM 533	3	Theory & Practice of Engineering Management	NA	x		x			x			
EM 534	3	Financial Management for Engineering Manager	NA	x		x			x			
EM 536	3	Project Management	NA		x		x			x		
EM 537	3	Analytical Methods for Engineering Managers* (for students without UG in IE)	NA		x			x			x	
EM 538	3	New Venture Formation	NA	x					x			
EM 539	3	Strategic Management in Technical Organizations	NA		x						x	
EM 541	3	Managing Change & Improvement in Technical Organizations	NA	x					x			
EM 542	3	Design of Experiments for Engineering Managers	IE516					x			x	
EM 543	3	Legal & Ethical Aspects of Engineering Mgmt	NA		x						x	
EM 601	3	System Theory & Engineering	EM 533	x		x			x			
EM 602	3	Supply Chain & Logistics	EM 537		x			x				
IE 514	3	Information Systems	NA									
IE 515	3	Production and Inventory Systems	402 or instructor consent									
IE 516	3	Statistical Methods in IE*	rec bkgd Statistics		x			x			x	
IE 517	3	Reliability of Lean Systems	IE 516	x		x			x			
IE 518	3	Adv. Engineering Economic Analysis*	IE405	x		x			x			
IE 522	3	Optimization Methods* (for students with UG in IE)	Rec bkgd Linear Algebra	x		x			x			
IE 526	3	Advanced Systems Modeling & Simulation	NA		x			x			x	
IE 527	3	Lean Production Systems	IE 515 or instructor consent		x							
IE 550	1	Graduate Seminar		x	x	x		x	x		x	

* Quantitative

2/14/2020

Schedule is subject to change without notification