

ENGINEERING MANAGEMENT PROGRAM (EMEN) COMPREHENSIVE COURSE LIST-NOVEMBER 2024				
(Fall and spring change infrequently and summer can change year to year so summer is not listed)				
GRADUATE COURSES				
Course No.	Course Title	Credits	Usually Offered	Prerequisites
EMEN 5005	Introduction to Applied Statistical Methods	3	Fall	
EMEN 5015	Engineering Communication	3	Spring, Fall	
EMEN 5020	Finance for Engineering Managers	3	Spring, Fall	
EMEN 5030	Fundamentals of Project Management	3	Spring, Fall	
EMEN 5032	Project Management Application and Execution	3	Spring	5030
EMEN 5033	Aerospace Program Management	3	Spring	5030 (recommended)
EMEN 5042	Data Science for Quality Improvement	3	Spring	
EMEN 5050	Leading Oneself	3	Spring, Fall	
EMEN 5052	Leading Others	3	Fall	
EMEN 5053	Leading Technical Organizations	3	Spring	
EMEN 5054	Neuroscience of Leadership	3	Fall	
EMEN 5055	Leading for Diversity, Equity & Inclusion in Engineering	3		
EMEN 5065	Global Topics in Aerospace	3	Fall	
EMEN 5080	Ethical Decision Making	3	Spring	
EMEN 5090	Marketing and Technology Ventures	3	Fall	
EMEN 5094	Entrepreneurship for Engineers	3	Fall	
EMEN 5230	Resilience Engineering Leadership in Crisis	3	Spring	
EMEN 5315	Business Law for Engineering Managers	3	Spring	
EMEN 5400	Product Development and Design	3	Spring	
EMEN 5405	Fundamentals of System Engineering	3	Spring, Fall	
EMEN 5415	Special Topics: System Req, Verification & Validation Fundamentals	3	Spring	
EMEN 5500	Lean and Agile Management	3	Fall	
EMEN 5830	Special Topics: Change Management & Leading Org Change	3	Fall	
EMEN 5830	Special Topics: Data Analytics and Visualization	3		
EMEN 5830	Special Topics: Digital Eng & Model-Based Sys Eng for Tech Managers	3	Fall	
EMEN 5830	Special Topics: Digital Transformation	3	Spring	
UNDERGRADUATE COURSES				
Course No.	Course Title	Credits	Usually Offered	Prerequisites
EMEN 3100	Introduction to Engineering Management	3	Spring, Fall	
EMEN 4030	Project Management Systems	3	Spring, Fall	
EMEN 4050	Leadership and Professional Skills	3	Spring, Fall	
EMEN 4055	Designing for Diversity, Equity & Inclusion for Engineering	3	Spring	
EMEN 4100	Engineering Economics	3	Spring, Fall	
EMEN 4110	Supply Chain Management	3	Spring, Fall	
EMEN 4120	Managing Business Processes	3	Spring, Fall	
EMEN 4200	Engineering & Entrepreneurship for the Dev World	3	Summer	
EMEN 4400	Quality Management	3	Fall	
EMEN 4405	Systems Engineering	3	Spring, Fall	
EMEN 4800	Technology Ventures and Marketing	3	Fall	4820
EMEN 4820	Entrepreneurial Product Development	3	Spring	
EMEN 4825	New Venture Creation	3	Spring, Fall	