

## ENGINEERING MANAGEMENT PROGRAM (EMEN) COMPREHENSIVE COURSE LIST-SEPT 2021

### GRADUATE COURSES

Course No.	Course Title	Credits	Usually Offered	Prerequisites
EMEN 5005	Introduction to Applied Statistical Methods	3	Spring, 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, Summer	
EMEN 5032	Project Management Application and Execution	3	Spring	5030 or 5031
EMEN 5041	Performance Excellence for Business and Service	3	Fall	5005
EMEN 5042	Data Science for Quality Improvement	3	Spring	5005
EMEN 5043	Systems for Quality Improvement	3	DISCONTINUED AFTER SUMMER 2021	5042
EMEN 5050	Leading Oneself	3	Spring, Fall, Summer	
EMEN 5052	Leading Others	3	Fall	
EMEN 5053	Leading Technical Organizations	3	Spring	
EMEN 5065	Global Topics in Aerospace	3	Fall	
EMEN 5080	Ethical Decision Making	3	Spring	
EMEN 5090	Marketing and Technology Ventures	3	Spring	
EMEN 5094	Entrepreneurship for Engineers	3	Spring	
EMEN 5215	Principles and Practices of the Sustainable Enterprise	3	Fall	
EMEN 5315	Business Law for Engineering Managers	3	Fall	
EMEN 5316	Engineering, Prod Liability & Litigation Process	3	Spring	
EMEN 5400	Product Development and Design	3	Fall	
EMEN 5405	Fundamentals of System Engineering	3	Spring, Fall	
EMEN 5500	Lean and Agile Management	3	Fall	
EMEN 5610	Advanced Statistical Methods for Engineering Res	3	DISCONTINUED AFTER FALL 2021	5900
EMEN 5620	Data Mining & Screening Experiments for Eng Res	3	DISCONTINUED AFTER SPRING 2022	5610
EMEN 5710	Enterprise Strategic Management	3	Fall	5020
EMEN 5830	Special Topics: Adv Proj, Program & Portfolio Mgmt	3	Fall	
EMEN 5830	Special Topics: Aerospace Program Management	3	Spring	
EMEN 5830	Special Topics: Neuroleadership	3	Fall	
EMEN 5830	Special Topics: Leading for Diversity, Equity & Inclusion in Eng	3	Summer	
EMEN 5830	Special Topics: Resilience Engineering Leadership in Crisis	3	Spring	
EMEN 5900	Research Methods and Experimental Design	3	DISCONTINUED AFTER SPRING 2021	5005
EMEN 6810	Capstone-NEW SPRING 2022	3	Spring	5015

### UNDERGRADUATE COURSES

Course No.	Course Title	Credits	Usually Offered
EMEN 3100	Introduction to Engineering Management	3	Spring, Fall, Summer
EMEN 4030	Project Management Systems	3	Spring, Fall, Summer
EMEN 4050	Leadership and Professional Skills	3	Spring, Fall, Summer
EMEN 4100	Engineering Economics	3	Spring, Fall, Summer
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	Spring, Fall, Summer
EMEN 4400	Quality Management	3	Spring, Fall
EMEN 4405	Systems Engineering	3	Spring, Fall
EMEN 4800	Technology Ventures and Marketing	3	Spring
EMEN 4820	Entrepreneurial Product Development	3	Spring, Fall
EMEN 4825	New Venture Creation	3	Spring, Fall
EMEN 4830	Special Topics: Resilience Engineering Management	3	Spring
EMEN 4830	Special Topics: Designing for Diversity, Equity & Inclusion for Eng	3	Summer