

**Manufacturing Systems Engineering & Management**  
**Long Range Course Schedule Plan**  
**ALL COURSE OFFERINGS SUBJECT TO SUFFICIENT ENROLLMENT DEMAND**

Course No.	Description	S17	F17	S18	F18	S19	F19	S20
MSE 101/L (1/1)	Introduction to Engineering [1126]	DAY	DAY	DAY	DAY	DAY	DAY	DAY
MSE 220/L (2/1)	Construction Materials [1504]	DAY	---	DAY	---	DAY	---	DAY
MSE 227 (3)	Engineering Materials	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 227L (1)	Engineering Materials Lab [1504]	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 248/L (2/1)	Engineering CAD & Graphics [1115]	DAY	---	DAY	---	DAY	---	DAY
MSE 300 (3)	Construction Tech. Economy	---	DAY	---	DAY	---	DAY	---
MSE 302 (3)	Women in Math., Science, & Eng.	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 303 (3)	Innovation, Invention & Tech.	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 304 (3)	Engineering Economic Analysis	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 362 (3)	Engineering Statistical Applications	AFT	--	AFT	--	AFT	--	AFT
MSE 401(3)	Intro to Engineering and Tech management	---	AFT	---	AFT	---	AFT	---
MSE 402 (3)	Engineering Project Mgmt. [1115]	EVE	---	EVE	---	EVE	---	EVE
MSE 403CS (3)	Facilities Planning Design [1115]	---	AFT	---	AFT	---	AFT	---
MSE 406 (3)	Engineering Cost Analysis	NIGHT	---	NIGHT	---	NIGHT	---	NIGHT
MSE 407 (3)	Production Systems	EVE	---	EVE	---	EVE	---	EVE
MSE 409/L (2/1)	Computer-Aided Manufacturing [1128]	---	AFT	---	AFT	---	AFT	---
MSE 410/L (2/1)	Mfg. Systems Modeling [1128]	EVE	---	EVE	---	EVE	---	EVE
MSE 412/L (2/1)	Mfg. Processes [1128]	AFT	---	AFT	---	AFT	---	AFT
MSE 415 (3)	Product Design	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 488A (2)	MSEM Senior Design I [1128]	---	AFT	---	AFT	---	AFT	---
MSE 488B (2)	MSEM Senior Design II [1128]	AFT	---	AFT	---	AFT	---	AFT
MSE 504 (3)	Engineering Management	---	NIGHT	---	NIGHT	--	NIGHT	---
MSE 505 (3)	Engineering Decision Analysis [1115]	NIGHT	---	NIGHT	---	NIGHT	---	NIGHT
MSE 507 (3)	Lean Mfg. Systems	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT
MSE 508/L (2/1)	CAD/CAM Systems [1126]	EVE	---	EVE	---	EVE	---	EVE
MSE 509 (3)	CAM Systems	---	NIGHT	---	NIGHT	---	NIGHT	---

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MSE 511/L (2/1)	Robotics [1128]	---	EVE	---	EVE	---	EVE	---
MSE 512 (3)	MEMS Fabrication	---	NIGHT	---		---	NIGHT	---
MSE 513 (3)	NDE Methods [1128]	---	---	NIGHT	---	---	---	NIGHT
MSE 514 (3)	Reliability Maintainability	NIGHT	---	---	---	NIGHT	---	---
MSE 516/L (2/1)	CAD/CAM CATIA I [1126]	---	EVE	---	EVE	---	EVE	---
MSE 517/L (2/1)	CAD/CAM Adv Apps-CATIA II [1126]	EVE	---	EVE	---	EVE	---	EVE
MSE 523 (3)	Composite Materials	NIGHT	--		--	NIGHT	--	
MSE 527/L (2/1)	Mech. Behavior of Materials [1504]	---	---	---	EVE	---	---	---
MSE 528/L (2/1)	Principles Mtls. Engineering [1504]	---		---	NIGHT	---		---
MSE 531 (3)	Corrosion [1554]	---	---	---	NIGHT	---	---	---
MSE 536 (3)	Intro. Adv. Biomaterials	---		---	NIGHT	---	---	---
MSE 550 (3)	Thin Film Technology	---	---	--	---	NIGHT	---	NIGHT
MSE 556 (3)	Nanomaterials Nanotechnology	---	---	NIGHT	---	---	---	Night
MSE 600 (3)	Decision Tools for Engineering Managers	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 601B (3)	Engineering Statistics II	---	---	---	---	---	---	---
MSE 602 (3)	Entrepreneurship and Innovation for Engineering Professionals	NIGHT	---	NIGHT	---	NIGHT	---	NIGHT
MSE 603 (3)	Computer Integrated Mfg. [1115]	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 604 (3)	Engineering Economy and Financial Analysis	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 606 (3)	Production and Operations Management for Engineers	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 606A (3)	Engineering Operations Research II	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 607 A (3)	Sem in Automation Engineering	---	---	---	---	---	---	---
MSE 607B (3)	Systems Engineering & Management.	---	---	---	---	---	---	---
MSE 607C (3)	Sem in manufacturing Systems	---	---	---	---	---	---	---
MSE 608A (3)	Sem. Engineering Management	---	---	---	---	---	---	---
MSE 608B (3)	Leadership of Engineering Professionals and High-Tech Firms	---	NIGHT	---	NIGHT	---	NIGHT	---

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MSE 608C (3)	Engineering Financial & Cost Anlys.	---	---	---	---	---	---	---
MSE 609 (3)	Advanced Topics in CAD/CAM	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 610 (3)	Eng. Supply Chain Systems	---	NIGHT	---	NIGHT	---	NIGHT	---
MSE 611 (3)	Robotics Prog. Automation [1128]	NIGHT	---	NIGHT	---	NIGHT	---	NIGHT
MSE 612 (3)	Sem. Adv Mfg. Technologies	---	NIGHT	---	---	---	NIGHT	---
MSE 614 (3)	Intelligent Mfg.	NIGHT	---	NIGHT	---	NIGHT	---	NIGHT
MSE 617 (3)	Quality Management	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT
MSE 618 (3)	Six Sigma Qual. Engineering [1115]	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT	NIGHT
MSE 624 (3)	Failure Analysis	---	---	NIGHT	---	---	---	NIGHT
MSE 629 (3)	Phase Transformations	NIGHT	---	---	---	NIGHT	---	---
MSE 630 (3)	Electronic Materials	---	NIGHT	---	---	---	NIGHT	---
MSE 690 (3)	Materials Eng. Pratum	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 692 (3)	Engr Mgt Res Prac	---	ALL	---	ALL	---	ALL	---
MSE 697MFS (3)	Mfg. Sys Comps	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 697MFG (3)	Eng. Mgmt. Comps	ALL	ALL	ALL	ALL	ALL	ALL	ALL
MSE 697MTL (3)	Eng. Mgmt. Comps	ALL	ALL	ALL	ALL	ALL	ALL	ALL

**Legend:**

**DAY** ≈ 9am-12pm

**AFT** ≈ 12pm-4pm

**EVE** ≈ 4pm-7pm

**NIGHT** ≈ 7pm-10pm