

MANUFACTURING ENGINEERING TECHNOLOGY									2017-2018						
Cr. Hrs	SEM 1	Cr. Hrs	SEM 2	Cr. Hrs	SEM 3	Cr. Hrs	SEM 4	Cr. Hrs	SEM 5	Cr. Hrs	SEM 6	Cr. Hrs	SEM 7	Cr. Hrs	SEM 8
4	MATH 1180 Pre-Calculus	4	MATH 1220 or 1700 Calculus I	4+1	PHYS 1150+1160 General Physics II (L)	3	EDMM 2001 Applied Electricity & Electronics (L) (F, Sp, Sul)	3	EDMM 3480 Designing for Production (L) (F)	3	EDMM 3260 Operations Planning & Control (F, Sp, Sul)	3	EDMM 3200 Engineering Cost Analysis (F, Sp, Sul)	3	EDMM 4020 Supervision of Industrial Operations (F, Sp, Sul)
	MATH 1110 ≥ C or placement		MATH 1180 ≥ C		PHYS 1130 ≥ C		PHYS 1070+1080 ≥ C or PHYS 1150+1160 ≥ C or PHYS 2070+2080 ≥ C		EDMM 1420, EDMM 2540, EDMM 2810 & EDMM 2460 ≥ C		STAT 2160 or 2600 or IEE 2610 ≥ C		MATH 1220 or 2000 or 1700 ≥ C		Junior Standing
3	IEE 1020 Technical Communication (F, Sp)	3+1	CHEM 1100+1110 General Chemistry I (L)	3	EDMM 2460 Intro to Computer- Aided Design (L) (F, Sp, Sul)	3	EDMM 2500 Plastics Properties and Processing (L) (F, Sp)	3	EDMM 3520 Metal Casting (L) (F)	3	EDMM 3280 Quality Assurance and Control (F, Sp, Sul)	3	EDMM 4540 Fabrication, Assembly, Finishing (L) (F)	2	EDMM 4570 Manufacturing for Sustainability (Sp)
	ENGL 1000 or placement		MATH 1110 ≥ C		EDMM 1420 ≥ C		CHEM 1100/1110 recommended		EDMM 2540 and (EDMM 2560 or ME 2500) ≥ C		STAT 2160 or 2600 or IEE 2610 ≥ C		EDMM 2810 ≥ C		
3	EDMM 1420 Engineering Graphics (F, Sp, Sul)	4+1	PHYS 1130+1140 General Physics I (L)	3	IEE 2610 Engineering Statistics (F, Sp)	4	EDMM 2810 Statics and Strength of Materials (F, Sp, Sul)	3	EDMM 3540 Metrology (L) (F)	3	EDMM 3580 Computer-Aided Manufacturing (L) (Sp)	3	EDMM 4580 Manufacturing Systems Integration (L) (F)	2	EDMM 4920 Multidisciplinary Senior Project (F, Sp)
			MATH 1110 ≥ C or placement		MATH 1220 or 1700 ≥ C		MATH 1220 or 1700 or 2000 ≥ C		IEE 2610 ≥ C Co-requisite EDMM 3480		EDMM 2540 ≥ C EDMM 2460 ≥ C		EDMM 2460 ≥ C EDMM 2001 and EDMM 3580 recommended		EDMM 4910 ≥ C Department Approval
3	EDMM 1500 Intro to Manufacturing (F, Sp, Sul)	3	EDMM 1220 Auto in Society (F, Sp)	1	CS 1021 Intro. Engr. Comp. I: Spreadsheets	3	EDMM 3020 Engr. Teams: Theory & Practice (F, Sp, Sul)	3	EDMM 3840 Fluid Mechanics and Hydraulics (L) (F, Sp)	3	APPROVED ELECTIVE**	2	EDMM 4910 Multidisciplinary Senior Proposal (F, Sp)	1	EDMM 4930 Multidisciplinary Senior Project Consultation (F, Sp)
			MATH 1180 ≥ C		MATH 1180 ≥ C		IEE 1020 ≥ C		EDMM 2810 ≥ C PHYS 1130+1140 ≥ C				Department Approval	EDMM 4910 ≥ C Department Approval	
2	GEN ED VIII* Health & Well Being			3	EDMM 2540 Machining Processes (L) (F, Sp, Sul)	3	EDMM 2560 Properties of Materials (L) (F, Sp)	3	APPROVED ELECTIVE**	3	GEN ED II* Humanities	3	APPROVED ELECTIVE**	3	APPROVED ELECTIVE**
					EDMM 1500 recommended		CHEM 1100 + 1110 ≥ C or								
				2	EDMM 2830 Thermodynamics (L) (F, Sp)	3	ME 2500 Materials Science (F, Sp, Sul)	3	GEN ED IV* Other Cultures & Civilizations			3	GEN ED I* Fine Arts	3	GEN ED III* U.S. Culture & Issues
					PHYS 1130 +1140 ≥ C MATH 1220 or 1700 or 2000 ≥ C		CHEM 1100 + 1110 ≥ C MATH 1220 or 1700 ≥ C								
	15 hours		16 hours		17 hours		16 hours		18 hours		15 hours		17 hours		14 hours
															128 total hours

NOTE: Prerequisite courses are shown in smaller print.

22 Cr. Gate Courses Req.

80 Cr. MFT Req.

14 Cr. Gen Ed Req.

12 Cr. MFT Elective Req.

* See your academic advisor for general education requirements.

A 'C' or better is required for

** A minor is recommended. See elective options on page 2.

admission to upper level CEAS courses

MANUFACTURING ENGINEERING TECHNOLOGY ELECTIVES - Select any four (4) of the following* electives

Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective		
3	EDMM 2220 Mobile Energy Sources & Lubricants	1-3	EDMM 2990 Cooperative Education	3	EDMM 3120 Systems Decision Making	3	EDMM 3240 Automotive Power Systems	3	EDMM 3250 Automotive Electrical Systems	3	IEE 3420 Ergonomics and Design
	College Writing				IEE 2610 or STAT 2600 ≥ C		EDMM 1500 recommended		EDMM 1500 & 2001 recommended		
3	EDMM 3500 Production Thermoplastic Processing	3	EDMM 4250 Automatic & Automated Drive Line Control Systems	3	EDMM 4260 Automotive Structure, Ride & Safety	3	EDMM 4520 Die Casting	3	EDMM 4560 Process Testing & Measurement	3	EDMM 4590 Mold Design & Construction
	EDMM 2500 ≥ C		EDMM 1220 recommended		EDMM 1220 recommended		EDMM 2540 ≥ C		EDMM 2810 ≥ C		EDMM 2500 & 2540 ≥ C
							ME 2500		IEEM 2610 or STAT 2600 ≥ C		
							EDMM 3520 recommended		ME 2500		
3	EDMM 4870 Manufacturing Productivity Techniques	3	EDMM 4880 Applied Process Reengineering	3	EDMM 5500 Advanced Plastics Processing	3	EDMM 5520 Casting Simulation & Solidification	4	MATH 1230 or 1710 Calculus II	4	MATH 2720 Multivariate Calculus & Matrix Algebra
	Senior Standing		Senior Standing ISM minors only		EDMM 2500 or equivalent		Upperclass student		MATH 1220 or 1700 ≥ C		MATH 1230 or 1710 ≥ C
4	MATH 3740 Differential Equations & Linear Algebra	1	MSL 1020 Intro to the Profession of Arms	2	MSL 2020 Army Doctrine & Team Development	3	MSL 3020 Applied Leadership in Small Unit Operations	3	MSL 4020 Mission Command and the Company Grade Officer		
	MATH 2720 ≥ C		Approval of department chair		Approval of department chair		Approval of department chair		Approval of department chair		

* This is not an exhaustive list; please talk with your Academic Advisor for other options and/or to discuss a minor.