

MANUFACTURING ENGINEERING TECHNOLOGY									2016-2017						
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	<b>MATH 1180</b> Pre-Calculus	4	<b>MATH 1220</b> or 1700 Calculus I	4+1	<b>PHYS 1150/1160</b> General Physics II (L)	3	<b>EDMM 2001</b> Applied Electricity & Electronics (L) (F, Sp, Sull)	3	<b>EDMM 3480</b> Designing for Production (L) (F)	3	<b>EDMM 3260</b> Operations Planning & Control (F, Sp, Sul)	3	<b>EDMM 3200</b> Engineering Cost Analysis (F, Sp, Sul)	3	<b>EDMM 4020</b> Supervision of Industrial Operations (F, Sp)
	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 Co-requisite EDMM 3540		STAT 2160 or 2600 or IEE 2610 ≥ C		MATH 1220 or 2000 or 1700 ≥ C		Junior Standing
3	<b>IEE 1020</b> Technical Communication (F, Sp)	3+1	<b>CHEM 1100 + 1110</b> General Chemistry I (L)	3	<b>EDMM 2460</b> Intro to Computer- Aided Design (L) (F, Sp, Sul)	3	<b>EDMM 2500</b> Plastics Properties and Processing (L) (F, Sp)	3	<b>EDMM 3520</b> Metal Casting (L) (F)	3	<b>EDMM 3280</b> Quality Assurance and Control (F, Sp, Sull)	3	<b>EDMM 4540</b> Fabrication, Assembly, Finishing (L) (F)	2	<b>EDMM 4570</b> Manufacturing for Sustainability (F)
	ENGL 1000 or placement		MATH 1110 ≥ C		EDMM 1420 ≥ C		CHEM 1100/1110 recommended		EDMM 2540 ≥ C ME 2500 ≥ C		STAT 2160 or 2600 or IEE 2610 ≥ C		EDMM 2810 ≥ C		
3	<b>EDMM 1420</b> Engineering Graphics (F, Sp, Sul)	4+1	<b>PHYS 1130/1140</b> General Physics I (L)	3	<b>IEE 2610</b> Engineering Statistics (F, Su1)	4	<b>EDMM 2810</b> Statics and Strength of Materials (F, Sp, Sul)	3	<b>EDMM 3540</b> Metrology (L) (F)	3	<b>EDMM 3580</b> Computer-Aided Manufacturing (L) (Sp)	3	<b>EDMM 4580</b> Manufacturing Systems Integration (L) (F)	2	<b>EDMM 4920</b> 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	<b>EDMM 1500</b> Intro to Manufacturing (F, Sp, Sull)	3	<b>EDMM 1220</b> Auto in Society (F, Sp)	1	<b>CS 1021</b> Intro. Engr. Comp. I: Spreadsheets	3	<b>EDMM 3020</b> Engr. Teams: Theory & Practice (F, Sp, Sul)	3	<b>EDMM 3840</b> Fluid Mechanics and Hydraulics (L) (F, Sp)	3	<b>APPROVED ELECTIVE**</b>	2	<b>EDMM 4910</b> Multidisciplinary Senior Proposal (F, Sp)	1	<b>EDMM 4930</b> Multidisciplinary Senior Project Consultation (F, Sp)
					MATH 1180 ≥ C		IEE 1020 ≥ C		EDMM 2810 ≥ C PHYS 1130+1140 ≥ C				Department Approval	EDMM 4910 ≥ C Department Approval	
2	<b>GEN ED Area VIII*</b> Health & Well Being			3	<b>EDMM 2540</b> Machining Processes (L) (F, Sp, Sul)	3	<b>EDMM 2560</b> Properties of Materials (L) (F)	3	<b>APPROVED ELECTIVE**</b>	3	<b>GEN ED II*</b> Humanities	3	<b>APPROVED ELECTIVE**</b>	3	<b>APPROVED ELECTIVE**</b>
					EDMM 1500 recommended		CHEM 1100 + 1110 ≥ C or								
				2	<b>EDMM 2830</b> Thermodynamics (L) (F, Sp)	3	<b>ME 2500</b> Materials Science (F, Sp, Sul)	3	<b>GEN ED IV*</b> Other Cultures & Civilizations			3	<b>GEN ED I*</b> Fine Arts	3	<b>GEN ED III*</b> 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	<b>EDMM 2220 Mobile Energy Sources &amp; Lubricants</b>	1-3	<b>EDMM 2990 Cooperative Education</b>	3	<b>EDMM 3240 Automotive Power Systems</b>	3	<b>EDMM 3250 Automotive Electric Systems</b>	3	<b>EDMM 3500 Production Thermoplastic Processing</b>	3	<b>EDMM 4250 Automatic &amp; Automated Drive Line Control Systems</b>
	College Writing				EDMM 1500 recommended		EDMM 1500 & 2001 recommended		EDMM 2500 ≥ C		EDMM 1220 recommended
3	<b>EDMM 4260 Automotive Structure, Ride &amp; Safety</b>	3	<b>EDMM 4520 Die Casting</b>	3	<b>EDMM 4560 Process Testing &amp; Measurement</b>	3	<b>EDMM 4590 Mold Design &amp; Construction</b>	3	<b>EDMM 4870 Manufacturing Productivity Techniques</b>	3	<b>EDMM 4880 Applied Process Reengineering</b>
	EDMM 1220 recommended		EDMM 2540 ≥ C		EDMM 2810 ≥ C		EDMM 2500 & 2540 ≥ C		Senior Standing		Senior Standing
			ME 2500		IEEM 2610 or STAT 2600 ≥ C						
			EDMM 3520 recommended		ME 2500						
3	<b>EDMM 5500 Advanced Plastics Processing</b>	3	<b>EDMM 5520 Casting Simulation &amp; Solidification</b>								
	EDMM 2500 or equivalent										
3	<b>IEEM 3120 Systems Decision Making</b>	3	<b>IEEM 3420 Ergonomics Design</b>								
	IEEM 2610 or STAT 2600 ≥ C										

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