

**ENGINEERING MANAGEMENT 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	<b>MATH 1180</b> Pre-Calculus	4	<b>MATH 1220 or 1700</b> Calculus I	4+1	<b>PHYS 1150/1160</b> General Physics II (L)	3	<b>EDMM 2460</b> Introduction to Computer-Aided Design (L) (F, Sp, Sul)	3	<b>EDMM 3020</b> Engr. Teams: Theory & Practice (F, Sp, Sul)	3	<b>EDMM 3120</b> Systems Decision Making (Sp)	3	<b>EDMM 4020</b> Supervision of Industrial Operations (Sp)	4	<b>EDMM 4040</b> Plant Layout & Material Handling (L) (Sp)
	MATH 1110 ≥ C or placement		MATH 1180 ≥ C		PHYS 1130 ≥ C		EDMM 1420 ≥ C		IEE 1020 ≥ C		STAT 2600 or IEE 2610 ≥ C		Junior Standing		EDMM 3050 ≥ C EDMM 3260 ≥ C Senior Standing
3	<b>IEE 1020</b> Technical Communication	3+1	<b>CHEM 1100 + 1110</b> General Chemistry I (L)	3	<b>IEE 2610</b> Engineering Statistics (L) (F, Sul)	3	<b>EDMM 2001</b> Applied Electricity & Electronics (L) (F, Sp, Sul)	3	<b>EDMM 3050</b> Work Analysis (F)	3	<b>EDMM 3260</b> Operations Planning Control (F, Sp)	3	<b>EDMM 4120</b> Industrial Systems Management (F)	2	<b>EDMM 4920</b> Multidisciplinary Senior Project (F, Sp)
	ENGL 1000 or placement		MATH 1110 ≥ C or placement		MATH 1220 or 1700 ≥ C		PHYS 1150+1160 ≥ C or <b>PHYS 2070+2080</b>				STAT 2160 or 2600 or IEE 2610 ≥ C		Recommended EDMM 3120		EDMM 4910 ≥ C Department Approval
3	<b>EDMM 1420</b> Engineering Graphics (L) (F, Sp, Sul)	4+1	<b>PHYS 1130/1140</b> General Physics I (L)	3	<b>ACTY 2100</b> Principles of Accounting I	4	<b>EDMM 2810</b> Statics & Strength of Materials (F, Sp, Sul)	1	<b>EDMM 3150</b> Work Analysis and Design Lab (L) (F)	3	<b>EDMM 3280</b> Quality Assurance and Control (F, Sp, Sull)	2	<b>EDMM 4910</b> Multidisciplinary Senior Proposal (F, Sp)	1	<b>EDMM 4930</b> Multidisciplinary Senior Project Consultation
			MATH 1110 ≥ C				MATH 1220 or 1700 or 2000 ≥ C		EDMM 3050 (co-req)		STAT 2160 or 2600 or IEE 2610 ≥ C		Department Approval		EDMM 4910 ≥ C Department Approval
3	<b>EDMM 1500</b> Intro to Manufacturing (F, Sp, Sull)	1	<b>CS 1021</b> Intro. Engr. Comp. I: Spreadsheets (L) (F, Sp)	3	<b>ECON 2010</b> Principles of Microeconomics (Area V)	3	<b>GEN ED Area II*</b> Humanities	3	<b>IEE 3160</b> Report Preparation (F, Sp, Sul)	3	<b>MGMT 2520</b> Human Resource Management	3	<b>APPROVED TECHNICAL ELECTIVE**</b>	3	<b>APPROVED TECHNICAL ELECTIVE**</b>
			MATH 1180 ≥ C						IEE 1020 ≥ C Junior Standing						
2	<b>GEN ED Area VIII*</b> Health & Well Being	1	<b>CS 1023</b> Intro. Engr. Comp. III: Program. (L) (F, Sp)			3	<b>EDMM 2560</b> Properties of Materials (F)	3	<b>EDMM 3200</b> Engineering Cost Analysis (F, Sp, Sul)	3	<b>APPROVED TECHNICAL ELECTIVE**</b>	3	<b>APPROVED TECHNICAL ELECTIVE**</b>	3	<b>GEN ED Area III*</b> U.S.: Cultures and Issues
			MATH 1180 ≥ C				CHEM 1100 + 1110 ≥ C or		MATH 1220 or 2000 or 1700 ≥ C						
						3	<b>ME 2500</b> Materials Science (F, Sp, Sul)	3	<b>APPROVED TECHNICAL ELECTIVE**</b>			3	<b>GEN ED Area I*</b> Fine Arts	3	<b>GEN ED Area IV*</b> Other Cultures & Civilizations
							CHEM 1100 + 1110 ≥ C MATH 1220 or 1700 ≥ C								
	15 hours		15 hours		14 hours		16 hours		16 hours		15 hours		17 hours		16 hours
															<b>124 total hours</b>

NOTE: Prerequisite courses are shown in smaller print.

\* See your academic advisor for general education requirements.

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

22 Cr. Gate courses Req.

70 Cr. UEM Req.

17 Cr. Gen Ed Req.

15 Cr. UEM Elective Req.

A 'C' or better and a 2.3 WMU GPA are required for

**ENGINEERING MANAGEMENT TECHNOLOGY ELECTIVES - Select any five (5) of the following\* electives**

Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective		
3	<b>EDMM 1220 Automobile &amp; Society</b>	3	<b>EDMM 2220 Mobile Energy Sources &amp; Lubricants</b>	3	<b>EDMM 2500 Plastics Properties &amp; Processes</b>	3	<b>EDMM 2540 Machine Processes</b>	1-3	<b>EDMM 2990 Cooperative Education</b>	3	<b>EDMM 3240 Automotive Power Systems</b>
		College Writing		CHEM 1100/1110 recommended		EDMM 1500 recommended		Department Approval		EDMM 1220 recommended	
3	<b>EDMM 3250 Automotive Electric Systems</b>	3	<b>EDMM 3500 Production Thermoplastic Processing</b>	3	<b>EDMM 3520 Metal Casting</b>	3	<b>EDMM 3580 Computer Aided Manufacturing</b>	3	<b>EDMM 4250 Automatic &amp; Automated Drive Line Control Systems</b>	3	<b>EDMM 4260 Automotive Structure, Ride &amp; Safety</b>
	EDMM 1220 & 2001 recommended		EDMM 2500 ≥ C		EDMM 2540 ≥ C		EDMM 2540 ≥ C		EDMM 1220 recommended		EDMM 1220 recommended
				ME 2500 or EDMM 2560 ≥ C		EDMM 2460 ≥ C					
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 2540 ≥ C		EDMM 2810 ≥ C		EDMM 2500 ≥ C		Senior Standing		Senior Standing		
	ME 2500 or EDMM 2560 ≥ C		IEE 2610 or STAT 2600 ≥ C		EDMM 2540 ≥ C				ISM minors only		
	EDMM 3520 recommended		ME 2500 or EDMM 2560 ≥ C								
3	<b>BUS 1750 Business Enterprise</b>	3	<b>BUS 2200 Introduction to Global Business</b>	3	<b>MGMT 2500 Organizational Behavior</b>	3	<b>MKTG 2500 Principles of Marketing</b>	3	<b>MKTG 3720 Purchasing Management</b>	3	<b>MKTG 4630 Manufacturing Logistics</b>
			Sophomore standing						MKTG 2500		MKTG 2500
											NUS 3750 or EDMM 3260 or MGMT 2800

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