

ENGINEERING MANAGEMENT TECHNOLOGY

2019-2020

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 or 2000 Calculus I	4+1	PHYS 1150/1160 General Physics II (L)	3	EDMM 2460 CAD-Solid Modeling (F, Sp, Sul)	3	EDMM 3020 Engr. Teams: Theory & Practice (F, Sp, Sul)	3	EDMM 3120 Systems Decision Making (Sp)	3	EDMM 4020 Engineering Leadership (Sp)	4	EDMM 4040 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	IEE 1020 Technical Communication	3+1	CHEM 1100 + 1110 General Chemistry I (L)	3	IEE 2610 Engineering Statistics (L) (F, Sul)	3	EDMM 2001 Applied Electricity & Electronics (L) (F, Sp, Sul)	3	EDMM 3050 Work Analysis (F)	3	EDMM 3260 Operations Planning Control (F, Sp)	3	EDMM 4120 Industrial Systems Management (F)	2	EDMM 4920 Multidisciplinary Senior Project (F, Sp)
	ENGL 1000 or placement		MATH 1110 ≥ C or placement		MATH 1220 or 1700 ≥ C		PHYS 1150+1160 ≥ C or PHYS 2070+2080				STAT 2160 or 2600 or IEE 2610 ≥ C		Recommended EDMM 3120		EDMM 4910 ≥ C Department Approval
3	EDMM 1420 Engineering Graphics (L) (F, Sp, Sul)	4+1	PHYS 1130/1140 General Physics I (L)	3	ACTY 2100 Principles of Accounting I	4	EDMM 2810 Statics & Strength of Materials (F, Sp, Sul)	1	EDMM 3150 Work Analysis and Design Lab (L) (F)	3	EDMM 3280 Quality Assurance and Control (F, Sp, Sul)	2	EDMM 4910 Multidisciplinary Senior Proposal (F, Sp)	1	EDMM 4930 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	EDMM 1500 Intro to Manufacturing (F, Sp, Sul)	1	CS 1021 Intro. Engr. Comp. I: Spreadsheets (L) (F, Sp)	3	ECON 2010 Principles of Microeconomics (Area V)	3	EDMM 2560 Engineering Material Design (F)	3	IEE 3160 Report Preparation (F, Sp, Sul)	3	MGMT 2520 Human Resource Management	3	APPROVED TECHNICAL ELECTIVE**	3	APPROVED TECHNICAL ELECTIVE**
			MATH 1180 ≥ C				CHEM 1100 + 1110 ≥ C or Junior Standing		IEE 1020 ≥ C						
2	GEN ED Area VIII* Health & Well Being	1	CS 1023 Intro. Engr. Comp. III: Program. (L) (F, Sp)			3	ME 2500 Materials Science (F, Sp, Sul)	3	EDMM 3200 Engineering Cost Analysis (F, Sp, Sul)	3	APPROVED TECHNICAL ELECTIVE**	3	APPROVED TECHNICAL ELECTIVE**	3	GEN ED Area III* U.S.: Cultures and Issues
			MATH 1180 ≥ C				CHEM 1100 + 1110 ≥ C MATH 1220 or 1700 ≥ C ME 2615 or EDMM 1500 ≥ C		MATH 1220 or 2000 or 1700 ≥ C						
						3	GEN ED Area II* Humanities	3	APPROVED TECHNICAL ELECTIVE**			3	GEN ED Area I* Fine Arts	3	GEN ED Area IV* Other Cultures & Civilizations
	15 hours		15 hours		14 hours		16 hours		16 hours		15 hours		17 hours		16 hours

NOTE: Prerequisite courses are shown in smaller print.

22 Cr. Gate courses Req.

70 Cr. UEM Req.

17 Cr. Gen Ed Req.

15 Cr. UEM Elective Req.

124 total hours

* See your academic advisor for general education requirements.

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

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

admission into upper level CEAS courses

Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective		
3	EDMM 1220 Automobile & Society	3	EDMM 2220 Mobile Energy Sources & Lubricants	3	EDMM 2500 Plastics Properties & Processes	3	EDMM 2540 Machine Processes	1-3	EDMM 2990 Cooperative Education	3	EDMM 3120 Systems Decision Making
			College Writing		CHEM 1100/1110 recommended		EDMM 1500 recommended		Department Approval		STAT 2600 or IEE 2610 ≥C
3	EDMM 3240 Automotive Power Systems	3	EDMM 3250 Automotive Electric Systems	3	EDMM 3500 Production Thermoplastic Processing	3	EDMM 3520 Metal Casting	3	EDMM 3580 Computer Aided Manufacturing	3	EDMM 4250 Automatic & Automated Drive Line Control Systems
	EDMM 1220 recommended		EDMM 1220 & 2001 recommended		EDMM 2500 ≥ C		EDMM 2540 ≥ C		EDMM 2540 ≥ C		EDMM 1220 recommended
							ME 2500 or EDMM 2560 ≥ C		EDMM 2460 ≥ C		
3	EDMM 4260 Automotive Structure, Ride & Safety	3	EDMM 4520 Die Casting	3	EDMM 4560 Process Testing & Measurement	3	EDMM 4570 Manufacturing for Sustainability	3	EDMM 4590 Mold Design & Construction	3	EDMM 4870 Manufacturing Productivity Techniques
	EDMM 1220 recommended		EDMM 2540 ≥ C		EDMM 2810 ≥ C				EDMM 2500 ≥ C		Senior Standing
			ME 2500 or EDMM 2560 ≥ C		IEE 2610 or STAT 2600 ≥ C				EDMM 2540 ≥ C		
			EDMM 3520 recommended		ME 2500 or EDMM 2560 ≥ C						
3	EDMM 4880 Applied Process Reengineering	3	EDMM 5500 Advanced Plastics Processing	3	IEE 3420 Ergonomics and Design	3	BUS 1750 Business Enterprise	3	BUS 2200 Introduction to Global Business	4	MATH 1230 or MATH 1710 Calculus II
	Senior Standing		EDMM 2500						Sophomore standing		MATH 1220 or 1710
	ISM minors only										

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

Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective
4	MATH 2720 Multivariate Calculus and Matrix MATH 1710 or 1230	4	MATH 3740	3	MGMT 2500 Organizational Behavior	3	MKTG 2500 Marketing Principles	1	MSL 1020 Introduction fo the Profession of Arms
			MATH 2720						2
									MSL 2020 Army Doctrine and Team Development
3	MOE 0020 Applied Leadership in Small Unit Operations	3	MOE 4020 Mission Command and the Company Grade Officer						

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