

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 WES Course Level 1: Quantitative Reasoning		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 Senior Project (F, Sp)
	ENGL1000 or placement WES Course Level 1: Writing		MATH 1110 ≥ C or placement		MATH 1220 or 1700 ≥ C WES Course Level 1: Communication		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 (F, Sp, Sul)	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, Sull)	3	EDMM 4910 Senior Proposal (F, Sp)	1	EDMM 4930 Senior Project Consultation (F, Sp)
			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
													WES Course Level 3: Local&Nat'l Perspectives		
3	EDMM 1500 Intro to Manufacturing (F, Sp, Sull)	3	WES Course Level 2: Societies and Cultures	3	ECON 2010 Principles of Microeconomics (F, Sp, Sul)	3	EDMM 2560 Engineering Material Design (F)	3	IEE 3160 Report Preparation (F, Sp, Sul)	3	EDMM 4870 Manufacturing Prod. Techniques (F, Sp, Sul)	3	APPROVED TECHNICAL ELECTIVE**	3	APPROVED TECHNICAL ELECTIVE**
	WES Course Level 2: Science and Technology & Planetary Sustainability				WES Course Level 1: Quantitative Reasoning		CHEM 1100 + 1110 ≥ C or		IEE 1020 ≥ C Junior Standing						
3	WES Course Level 2: Personal Wellness			3	WES Course Level 2: Artistic Theory and Practice	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	WES Course Level 3: Global Perspectives
							CHEM 1100 + 1110 ≥ C MATH 1220 or 1700 ≥ C ME 2615 or EDMM 1500 ≥ C		MATH 1220 or 2000 or 1700 ≥ C						
						3	WES Course Level 1: Inquiry and Engagement	3	APPROVED TECHNICAL ELECTIVE**					3	WES Course Level 2: World Lang. and Cultures
	16 hours		16 hours		17 hours		16 hours		16 hours		15 hours		15 hours		16 hours
							22 Cr. Gate courses Req.		70 Cr. UEM Req.		18 Cr. Gen Ed Req.		15 Cr. UEM Elective Req.		127 total hours

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.

A 'C' or better and a 2.3 WMU GPA are required for admission into upper level CEAS courses

Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective	Cr. Hrs.	Elective		
3	EDMM 2500 Plastics Properties & Processes	3	EDMM 2540 Machine Processes	1-3	EDMM 2990 Cooperative Education	3	EDMM 3500 Production Thermoplastic Processing	3	EDMM 3520 Metal Casting	3	EDMM 3580 Computer Aided Manufacturing
	CHEM 1100/1110 recommended		EDMM 1500 recommended		Department Approval		EDMM 2500 ≥ C		EDMM 2540 ≥ C ME 2500 or EDMM 2560 ≥ C		EDMM 2540 ≥ C EDMM 2460 ≥ C
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 4880 Applied Process Reengineering	3	EDMM 5500 Advanced Plastics Processing
	EDMM 2540 ≥ C ME 2500 or EDMM 2560 ≥ C		EDMM 2810 ≥ C IEE 2610 or STAT 2600 ≥ C				EDMM 2500 ≥ C EDMM 2540 ≥ C		Senior Standing ISM minors only		EDMM 2500
	EDMM 3520 recommended		ME 2500 or EDMM 2560 ≥ C								
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	4	MATH 2720 Multivariate Calculus and Matrix Algebra	4	MATH 3740
					Sophomore standing		MATH 1220 or 1710		MATH 1710 or 1230		MATH 2720
3	MGMT 2500 Organizational Behavior	3	MKTG 2500 Marketing Principles	1	MSL 1020 Introduction for the Profession of Arms	2	MSL 2020 Army Doctrine and Team Development	3	MSL 3020 Applied Leadership in Small Unit Operations	3	MSL 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.