Name: _____ Student Number: _____

ENGINEERING DESIGN TECHNOLOGY

2018-2019

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 1220 or 1700 Calculus I**	3+1	**CHEM 1100/1110 General Chemistry I (L)**	3	**EDMM 2460 Intro to Computer-Aided Design (F, Sp, Sul)**	3	**EDMM 2001 Applied Electricity & Electronics (L) (F, Sp, Sul)**	2	**EDMM 2830 Thermodynamics (L) (F, Sp)**	3	**EDMM 3200 Engineering Cost Analysis (F, Sp, Sul)**	3	**EDMM 4480 Advanced Computer-Aided Analysis (L) (F)**	2	**EDMM 4920 Multidisciplinary Senior Project (F, Sp)**
	MATH 1180 ≥ C or placement		MATH 1110 ≥ C or placement		EDMM 1420 ≥ C		PHYS 1070/1080 ≥ C		PHYS 1130 +1140 ≥ C		MATH 1220 or 2000 or 1700 ≥ C		EDMM 3440 ≥ D		EDMM 4910 ≥ C
							or PHYS 1150+1160 ≥ C		MATH 1220 or 1700 ≥ C				*EDMM 3480 ≥ D		Department Approval
							or PHYS 2070/2080 ≥ C						*Can be concurrent		
3	**IEE 1020 Technical Communication (F, Sp)**	4	**MATH 1230 or 1710 Calculus II**	3	**IEE 2610 Engineering Statistics (L) (F, Sul)**	3	**EDMM 2500 Plastics Properties & Processing (L) (F, Sp)**	3	**EDMM 3480 Design For Production (L) (F)**	3	**EDMM 3440 Product and Machine Design (L) (F)**	3	**EDMM 4490 Advanced Product and Systems Design (L) *(F)***	1	**EDMM 4930 Multidisciplinary Senior Project Consultation (F, Sp)**
	MATH 1110 or placement		MATH 1220 or 1700 ≥ C		MATH 1220 or 1700 ≥ C		Recommended CHEM 1100/1110		EDMM 1420, EDMM 2540, EDMM 2810 & EDMM 2460≥ C		EDMM 1430 ≥ C		EDMM 3440 ≥ D		EDMM 4910 ≥ C
									Co-requisite IME 3540		EDMM 2810 ≥ C				Department Approval
3	**EDMM 1420 Engineering Graphics (L) (F, Sp, Sul)**	3	**EDMM 1440 Descriptive Geometry (L) (Sp)**	4+1	**PHYS 1150/1160 General Physics II (L)**	4	**EDMM 2810 Statics and Strength of Mmaterials (F, Sp, Sul)**	3	**EDMM 3540 Metrology (L) (F)**	3	**EDMM 3460 Programming for Computer-Aided Design (L) (F)**	2	**EDMM 4910 Multidisciplinary Senior Proposal (F, Sp)**	3	**APPROVED ELECTIVE****
			Recommended EDMM 1420		PHYS 1130 ≥ C		MATH 1220 or 1700 or 2000 ≥ C		EDMM 2610 ≥ C		EDMM 2460 ≥ C		Department Approval		
									Co-requisite EDMM 3480		CS 1110 ≥ C				
3	**EDMM 1430 Product Design Fund. (L) (F)**	4+1	**PHYS 1130/1140 General Physics I (L)**	1	**CS 1021 Intro. to Engr. Computation I: Spreadsheets (F, Sp)**	3	**EDMM 3020 Engr. Teams: Theory & Practice (F, Sp, Sul)**	3	**EDMM 3840 Fluid Mechanics and Hydraulics (L) (F, Sp)**	3	**EDMM 4460 Advanced CAD (L) (Sp)**	3	**APPROVED ELECTIVE****	3	**GEN ED II* Humanities**
			MATH 1110 ≥ C or placement		**MATH 1180 ≥ C**		IEE 1020 ≥ C		EDMM 2810 ≥ C		EDMM 2460 ≥ C				
									PHYS 1130+1140 ≥ C						
3	**EDMM 1500 Intro to Manufacturing (F, Sp, Sul)**			1	**CS 1023 Intro. to Engr. Computation III: Cmptr. Progr. (F, Sp)**	3	**ME 2500 Materials Science (F, Sp, Sul)**	3	**APPROVED ELECTIVE****	3	**APPROVED ELECTIVE****	3	**GEN ED I* Fine Arts**	3	**GEN ED III* U.S. Cultures & Issues**
					MATH 1180 ≥ C		CHEM 1100 + 1110 ≥ C								
							MATH 1220 or 1700 ≥ C								
							ME 2615 or EDMM 1500 ≥C								
							or								
				3	**EDMM 2540 Machining Processes (L)**	3	**EDMM 2560 Properties of Materials (L) (F)**	2	**GEN ED VIII* Health & Well Being**					3	**GEN ED IV* Other Cultures & Civilizations**
					EDMM 1500 recommended		CHEM 1100 + 1110 ≥ C								
16 hours		16 hours		16 hours		16 hours		16 hours		15 hours		14 hours		15 hours	
														124 hours total	

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. | 76 Cr. EDT req. | 14 Cr. Gen Ed Req. | 12 Cr. EDT Elective Req.

A 'C' or better is required for admission to upper level CEAS courses

ENGINEERING DESIGN 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	Cr. Hrs.	Elective	Cr. Hrs.	Elective
3	**EDMM 1220 Automobile & Society**	3	**EDMM 2220 Mobile Eneregy Sources & Lubricants**	1-3	**EDMM 2990 Cooperative Education**	3	**EDMM 3120 Systems Decision Making**	3	**EDMM 3240 Automotive Power Systems**	3	**EDMM 3250 Automotive Electric Systems**	3	**EDMM 3260 Operations Planning & Control**
			College Writing				IEE 2610 or STAT 2600 ≥ C		EDMM 1500 recommended		EDMM 1500 & 2001 recommended		STAT 2160 or 2600 or IEE 2610 ≥ C
3	**EDMM 3280 Quality Assurance & Control**	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**	3	**EDMM 4260 Automotive Structure, Ride & Safety**	3	**EDMM 4520 Die Casting**
	STAT 2160 or 2600 or IEE 2610 ≥ C		EDMM 2500 ≥ C		EDMM 2540 ≥ C		EDMM 2540 ≥ C		EDMM 1220 recommended		EDMM 1220 recommended		EDMM 2540 ≥ C
					EDMM 2560 or ME 2500 ≥ C		EDMM 2460 ≥ C						ME 2500
													EDMM 3520 recommended
3	**EDMM 4560 Process Testing & Measurement**	2	**EDMM 4570 Manufacturing for Sustainability**	3	**EDMM 4590 Mold Design & Construction**	3	**EDMM 4870 Manufacturing Productivity Techniques**	3	**EDMM 4880 Applied Process Reengineering****	3	**EDMM 5500 Advanced Plastics Processing**	3	**IEE 3420 Ergonomics Design**
	EDMM 2810 ≥ C				EDMM 2500 & 2540 ≥ C		Senior Standing		Senior Standing		EDMM 2500 or equivalent		
	IEEM 2610 or STAT 2600 ≥ C								ISM minors only				
	ME 2500												
4	**MATH 2720 Multivariate Calculus & Matrix Algebra**	4	**MATH 3740 Differential Equations & Linear Algebra**	1	**MSL 1020 Introduction to the Profession of Arms (Sp)**	2	**MSL 2020 Army Doctrine & Team Development (Sp)**	3	**MSL 3020 Applied Leadership in Small Unit Operations (Sp)**		**MSL 4020 Mission Command & the Company Grade Officer (Sp)**		
	MATH 1230 or 1710 ≥ C		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.

** This course is restricted to ISM minors