

ENGINEERING DESIGN 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	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, Sull)	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 or PHYS 1150+1160 ≥ C or PHYS 2070/2080 ≥ C		PHYS 1130 +1140 ≥ C MATH 1220 or 1700 ≥ C		MATH 1220 or 2000 or 1700 ≥ C		EDMM 3440 ≥ D *EDMM 3480 ≥ D *Can be concurrent		EDMM 4910 ≥ C Department Approval
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 3460 Programming for Computer-Aided Design (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 2460 ≥ C CS 1110 ≥ C		EDMM 1430 ≥ C EDMM 2810 ≥ C		EDMM 3440 ≥ D		EDMM 4910 ≥ 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 3480 Design For Production (L) (F)	3	EDMM 3840 Fluid Mechanics and Hydraulics (L) (F, Sp)	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 1420, EDMM 2540, EDMM 2810 & EDMM 2460 ≥ C Co-requisite IME 3540		EDMM 2810 ≥ C PHYS 1130+1140 ≥ C		Department Approval		
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 3540 Metrology (L) (F)	3	EDMM 4460 CAD Applications (L) (Sp)	3	APPROVED ELECTIVE**	3	GEN ED II* Humanities
			MATH 1110 ≥ C or placement		MATH 1180 ≥ C		IEE 1020 ≥ C		EDMM 2610 ≥ C Co-requisite EDMM 3480		EDMM 2460 ≥ C				
3	EDMM 1500 Intro to Manufacturing (F, Sp, Sull)			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 or								
				3	EDMM 2540 Machining Processes (L)	3	EDMM 2560 Properties of Materials (L) (F)	2	GEN ED Area 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
															<i>124 hours total</i>

NOTE: Prerequisite courses are shown in smaller print.

* See your academic advisor for general education requirements.

22 Cr. Gate Courses Req.

76 Cr. EDT req.

14 Cr. Gen Ed Req.

12 Cr. EDT Elective Req.

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

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		
3	EDMM 1220 Automobile & Society	3	EDMM 2220 Mobile Energy Sources & Lubricants	1-3	EDMM 2990 Cooperative Education	3	EDMM 3240 Automotive Power Systems	3	EDMM 3250 Automotive Electric Systems	3	EDMM 3260 Operations Planning & Control
			College Writing				EDMM 1500 recommended		EDMM 1500 & 2001 recommended		STAT 2160 or 2600 or IEEM 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
	STAT 2160 or 2600 or IEEM 2610 ≥ C		EDMM 2500 ≥ C		EDMM 2540 ≥ C ME 2500 ≥ D		EDMM 2540 ≥ C EDMM 2460 ≥ C		EDMM 1220 recommended		EDMM 1220 recommended
3	EDMM 4520 Die Casting	3	EDMM 4560 Process Testing & Measurement	3	EDMM 4590 Mold Design & Construction	3	EDMM 4870 Manufacturing Productivity Techniques	3	EDMM 4880 Applied Process Reengineering**	3	EDMM 5500 Advanced Plastics Processing
	EDMM 2540 ≥ C ME 2500 EDMM 3520 recommended		EDMM 2810 ≥ C IEEM 2610 or STAT 2600 ≥ C ME 2500		EDMM 2500 & 2540 ≥ C		Senior Standing		Senior Standing		EDMM 2500 or equivalent
3	IEEM 3120 Systems Decision Making	3	IEEM 3420 Ergonomics Design								
	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.

** This course is restricted to ISM minors