

Product Design and Development: An Engineering Technology - Graduation MAP



WEBER STATE
UNIVERSITY

This is a suggested plan. Meet with an academic advisor to create a specific plan that best fits your academic needs. Remember, taking an average of 15 credit hours per semester facilitates timely graduation.

Catalog Year: 2020-2021

NAME: _____

	Course	Credit Hour	Semester Offered	Prerequisites	Notes
Freshman (Semester 1)					
	PDD 1010 Intro to Engineering & Technical Design	3	Fa, Sp	MATH 1010 or placement	• Declare major in PDD • C or better in all major and support courses • PDD will accept MATH 1050 and 1060 for MATH 1080 (C or better in both)
	ENGL 1010 EN Introductory College Writing	3	Fa, Sp, Su		
	MATH 1080 QL Pre-Calculus	5	Fa, Sp, Su	MATH 1010 or placement	
	MFET 1210 Machining Principles	3	Fa, Sp		
	American Institutions (AI)	3	Fa, Sp, Su		
	Total Semester Credits	17			
Freshman (Semester 2)					
	PDD 1160 Geo Dimen & Tolerancing Using 3D CAD	3	Fa, Sp	PDD 1010	
	PDD 1020 Introduction to 2D CAD Software	3	Fa, Sp		
	ENGL 2010 EN Intermediate College Writing	3	Fa, Sp, Su	ENGL 1010 or placement	
	LIBS 1704 IL Information Navigator	1	Fa, Sp, Su		
	CHEM 1010 PS Introductory Chemistry	3	Fa, Sp, Su		
	Creative Arts (CA)	3	Fa, Sp, Su		
	Total Semester Credits	16			
Freshman (Optional)					
	Total Semester Credits				
Sophomore (Semester 3)					
	MFET 2150/L Metal Forming, Casting, & Welding/ Lab	3	Fa		• MFET 2150L is a co-requisite with MFET 2150
	PDD 2460 Product Design Fndmntls Using 3D CAD	3	Fa, Sp	PDD 1160	
	MFET 2410 Quality Concepts & Statistical Applications	3	Fa, Sp	MATH 1010 or higher	
	COMM 1020 HU Principles of Public Speaking OR COMM 2110 HU Interpersonal & Small Group Com	3	Fa, Sp, Su		
	Social Science (SS)	3	Fa, Sp, Su		
	Total Semester Credits	15			
Sophomore (Semester 4)					
	PDD 2650 Product Design & Development	3	Sp	PDD 2460	• MFET 2440L is a co-requisite with MFET 2440 • ANTH 2010, GEOG 1300, or HIST 1510 will satisfy the 3 credit Diversity (DV) requirement • Apply for graduation with an AAS degree in PDD
	MFET 2440/L CNC in Manufacturing/ Lab	3	Sp	MFET 1210, MATH 1080 (or MATH 1050 & 1060)	
	PHYS 2010 PS College Physics I	5	Fa, Sp, Su	MATH 1060 (C or better) or MATH 1080 (B or better)	
	ANTH 2010 SS/DV People & Cultures of the World OR GEOG 1300 SS/DV Places & Peoples of the World OR HIST 1510 SS/DV World Hist from 1500 C.E. to Present	3	Fa, Sp, Su		
	Approved Lower Division Elective	2	Fa, Sp, Su		
	Total Semester Credits	16			
Sophomore (Optional)					
	Total AAS Credits	64			

	Course	Credit Hours	Semester Offered	Prerequisites	Notes
Junior (Semester 5)					
	MFET 2310 Statics for Engineering Technology	3	Fa, Sp	PHYS 2010 or PHYS 2210, MATH 1060 or MATH 1080	- Take MFET 2310 this semester as it is a prerequisite for several other courses - MFET 2300 is equivalent to MFET 2310 & 2320
	PDD 3100 Tool Design	3	Fa	MFET 1210, PDD 2460, MATH 1080 (or MATH 1050 & 1060)	
	PDD 3460 CREO	3	Fa		
	PDD 3470 Introduction to CATIA V5	3	Fa	PDD 2460 or MFET 2870 or Instructor Approval	
	Approved Upper Division Elective	3	Fa, Sp, Su		
	Total Semester Credits	15			
Junior (Semester 6)					
	MFET 2320 Mechanics of Materials	3	Fa, Sp	MFET 2310	- MFET 2300 is equivalent to MFET 2310 & 2320 - Apply for senior project - AAS, AS, or AA prerequisite for Senior Project
	MFET 3550 Manufacturing Supervision	3	Fa, Sp	MFET 2410 or MATH 1040	
	PDD 3300 Applied Kinematic Analysis	3	Sp	MFET 2300 or MFET 2310	
	Approved Upper Division Elective	3	Fa, Sp, Su		
	Creative Arts (CA)/ Humanities (HU)	3	Fa, Sp, Su		
	MFET 3620 Senior Capstone Project Planning	.5			
	Total Semester Credits	15.5			
Junior (Optional)					
	Total Semester Credits				
Senior (Semester 7)					
	MFET 4610 Senior Project Planning & Estimating	3	Fa, Sp		MFET 4610L is a co-requisite with MFET 4610
	MFET 4610L Senior Project I (Design)	3	Fa, Sp	Coreq: MFET 4610	
	MET 3150 Engineering Technology Materials	3	Fa, Sp	CHEM 1010, MFET 2300 or MFET 2320	
	MET 3400 Machine Design	3	Fa, Sp	MFET 2300 or MFET 2320	
	Life Science (LS)	3	Fa, Sp, Su		
	Total Semester Credits	14			
Senior (Semester 8)					
	MFET 4620L Senior Project II (Build)	2	Fa, Sp		- MFET 3710L is a co-requisite for MFET 3710 - Apply for graduation with BS degree in PDD
	MFET 3710/L Computer Aided Manufacturing & Rapid Prototyping/ Lab	3	Sp	MFET 2440/L, PDD 1010, PDD 1160 or MFET 3460	
	PDD 4200 Advanced Mechanical Design	3	Sp	MFET 2320	
	PDD 4470 Advanced CATIA V5	3	Sp	PDD 3740	
	PDD 4500 Hydraulic & Pneumatic Applications	3	Sp	MET 3400	
	MFET 4995 CMfgT Exam Review	1			
	Total Semester Credits	15			
Senior (Optional)					
	Total Semester Credits				
	Total Bachelor Credits	123.5			

Gen Ed Breadth Requirements (do not duplicate departments)

☐ HU	☐ CA	☐ HU or CA
☐ SS	☐ SS	
☐ PS	☐ LS	☐ PS or LS
☐ DV (Double dip with breadth course)		

Avoid misadvisement! Consult your academic advisor (weber.edu/advisors), the WSU Catalog (weber.edu/catalog), and your CatTracks degree evaluation (log into your eWeber Student Portal).

This is a suggested course sequence not an academic contract. Curriculum and program requirements are subject to change without notification.

Program is accredited by the Northwest Commission on Colleges and Universities (NWCCU). Student will have the opportunity to earn several industry certificates as part of this program.

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