

Mechanical 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)					
	MET 1000 Intro to Mechanical Engr Tech & Design	3	Fa, Sp		• Declare Major in MET • MET will accept MATH 1050 & 1060 for MATH 1080 (C or better in both) • LIBS 1504 Information Literacy Competency Exam can be taken in lieu of LIBS 1704
	PDD 1010 Intro to Engineering & Technical Design	3	Fa, Sp	MATH 0970 or MATH 0990	
	ENGL 1010 Introductory College Writing	3	Fa, Sp, Su		
	MATH 1080 QL Pre-Calculus	5	Fa, Sp, Su	MATH 1010 or placement	
	LIBS 1704 IL Information Navigator	1	Fa, Sp, Su		
	Total Semester Credits	15			
Freshman (Semester 2)					
	MET 1500 Mechanical Design Engineering	3	Sp	MET 1000 & MATH 1010 or higher math placement	• C or better in all major and support courses
	COMM 2110 HU Interpersonal & Small Group Com	3	Fa, Sp, Su		
	ECON 1010 SS Economics as a Social Science	3	Fa, Sp, Su		
	ENGL 2010 EN Intermediate College Writing	3	Fa, Sp, Su	ENGL 1010 or placement	
	MATH 1210 Calculus I	4	Fa, Sp, Su	MATH 1050 & 1060 or MATH 1080	
	Total Semester Credits	16			
Freshman (Optional)					
	Total Semester Credits				
Sophomore (Semester 3)					
	MFET 2360 Manufacturing Processes & Materials	3	Fa, Sp		
	CHEM 1110 PS Elementary Chemistry	5	Fa, Sp, Su		
	MATH 1040 QL Introduction to Statistics OR MFET 2410 Quality Concepts & Statistical Applications	3	Fa, Sp, Su Fa, Sp	MATH 1010 or higher	
	PHYS 2210 PS Physics for Scientists & Engineers I	5	Fa, Sp	Co or prereq: MATH 1210	
	Total Semester Credits	16			
Sophomore (Semester 4)					
	MET 2500 Modern Engineering Technologies	3	Sp	MET 1500	• Apply for graduation with an AAS degree in MET • MET will accept MFET 2310 & 2320 for MFET 2300 (C or better in both) • Only 3 credits total are needed for Diversity (DV) requirement
	MFET 2300 Statics & Strength of Materials	5	Fa, Sp	PHYS 2010 or PHYS 2210, MATH 1060 or MATH 1080 or MATH 1210	
	EET 1850 Industrial Electronics	4	Fa, Sp	MATH 1010 or higher	
	Creative Arts (CA)/ Diversity (DV)	3	Fa, Sp, Su		
	Total Semester Credits	15			
Sophomore (Optional)					
	Total Semester Credits	62			

	Course	Credit Hours	Semester Offered	Prerequisites	Notes
Junior (Semester 5)					
	MET 3050 Dynamics	3	Fa	MATH 1210, PHYS 2210, MFET 2300	• Only 3 credits total needed for Diversity (DV) requirement
	MET 3300 Computer Programming App of MET	3	Fa, Sp	MFET 2300	
	MET 3400 Machine Design	3	Fa, Sp	MFET 2300	
	PS 3250 Business Communication OR ENGL 3100 Professional & Technical Writing	3	Fa, Sp, Su	ENGL 2010	
	American Institutions (AI)	3	Fa, Sp, Su		
	Life Science (LS)/ Diversity (DV)	3	Fa, Sp, Su		
	Total Semester Credits	18			
Junior (Semester 6)					
	MET 3150 Engineering Technology Materials	3	Fa, Sp	CHEM 1110, MFET 2300	• Apply for Senior Project • AAS, AS, or AA prerequisite for Senior Project • Only 3 credits total needed for Diversity (DV) requirement
	MET 3500 Mech Measurements & Instrumentation	3	Fa, Sp	EET 1850, MFET 2300	
	MET 4200 Mechanical Design with FEA	3	Fa, Sp	MET 3400, MFET 2300	
	MFET 1210 Machining Principles	3	Fa, Sp		
	Creative Arts (CA)/ Humanities (HU)/ Diversity (DV)	3	Fa, Sp, Su		
	Total Semester Credits	15			
Junior (Optional)					
	Total Semester Credits				
Senior (Semester 7)					
	MET 3700 Testing & Failure Analysis	3	Fa	MET 3150, MFET 2300	• Only 3 credits total needed for Diversity (DV) requirement • Choose an approved 3 credit CS, PDD, EET, MATH, MET, MFET, or PHYS course for a technical elective
	MET 4500 Senior Project I	3	Fa	MET 4200, AAS, AS, or AA	
	MFET 3340 & 3340L Applied Fluid Power/ Lab	3	Fa, Sp	MFET 2300 or MFET 2320 PHYS 2010 or PHYS 2210	
	Social Science (SS)/ Diversity (DV)	3	Fa, Sp, Su		
	Approved Technical Elective	3	Fa, Sp, Su		
	Total Semester Credits	15			
Senior (Semester 8)					
	MET 4510 Senior Project II	3	Sp	MET 4500	• Choose an approved lower division 3 credit and upper division 3 credit CS, PDD, EET, MATH, MET, MFET, or PHYS course for a technical elective • Apply for graduation with BS degree in MET
	MET 4650 Thermal Science	3	Sp	MATH 1210, PHYS 2210, CHEM 1110 or CHEM 1210	
	MET 4990 Seminar in MET	1	Sp	MET 4500	
	Approved Technical Elective	3	Fa, Sp, Su		
	Approved Upper Division Technical Elective	3	Fa, Sp, Su		
	Total Semester Credits	13			
Senior (Optional)					
	Total Semester Credits				
	Total Bachelor Credits	123			

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).

Accredited by the Engineering Technology Accreditation Board of Engineering and Technology (ABET) www.abet.org

MET Advisors: weber.edu/et/student_resources.html
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