METROPOLITAN STATE UNIVERSITY℠ OF DENVER
College of Professional Studies

Mechanical Engineering Technology, B.S. - Manufacturing Concentration
Minor (not required)
Fall 2020 Catalog Year

First Year		
Fall: 16 Credits	MET 1000 (3) Intro to Mechanical Engineering Technology **OR** MET 1040 (3) Introduction to Engineering	
	MET 1010 (3) Manufacturing Processes	
	MET 1200 (3) Technical Drawing I	
	MTH 1400 (4) Precalculus Mathematics*	
	Written Communication (3)	
Spring: 18 Credits	CHE 1100 (4) Principles of Chemistry **AND** CHE 1150 (1) Principles of Chemistry Lab	
	Written Communication (3)	
	MET 1210 (3) 3D Modeling	
	MET 1310 (3) Principles of Quality Assurance	
	MTH 1410 (4) Calculus I	

Second Year		
Fall: 18 Credits	EET 2350 (3) Advanced Technical Programming	
	MET 2200 (3) Materials of Engineering	
	MTH 2410 (4) Calculus II	
	PHY 2311 (4) General Physics I **AND** PHY 2321 (1) General Physics I Laboratory	
	Oral Communication (3)	
Spring: 17 Credits	CET 2150 (3) Mechanics I-Statics	
	JMP 2610 (3) Introduction to Technical Writing	
	ECO 2020 (3) Principles of Microeconomics	
	PHY 2331 (4) General Physics II **AND** PHY 2341 (1) General Physics II Laboratory	
	PHI 1030 (3) Introduction to Ethics **OR** PHI 3360 (3) Business Ethics	

Third Year		
Fall: 16 Credits	CET 3135 (4) Mechanics of Materials with Laboratory	
	EET 2000 (3) Electric Circuits and Machines	
	MET 3110 (3) Thermodynamics	
	MET 3160 (3) Mechanics II-Dynamics	
	Historical (3) GD or MC recommended	
Spring 13 Credits	EET 3010 (4) Industrial Electronics **OR** EET 3730 (2) Process Control Systems **AND** EET 3740 (2) Programmable Logic Controllers	
	MET 3185 (3) Fluid Mechanics	
	MET 3410 (3) Geometric Dimensioning & Tolerancing	
	MET 3100 (3) N/C Computer Programming (Spring)	

Fourth Year		
Fall: 17 Credits	Arts and Humanities (3) GD or MC Recommended	
	MET 3000 (4) Manufacturing Analysis (Fall)	
	MET 3250 (3) Tool Design and Production Tooling (Fall)	
	MET 3330 (3) Robotics for Manufacturing (Fall)	
	MET 4000 (3) Project Engineering (F)	
	MET 4100 (1) Senior Project I (Senior Experience)	
Spring: 14 Credits	**MET 3300 (3) Statistical Process Control** (Spring)	
	MET 4080 (3) Computer Aided Manufacturing (Spring)	
	MET 4110 (2) Senior Project II (Senior Experience)	
	MET Upper Division Elective (3)	
	Social and Behavioral Sciences (3) Recommended: IND 2810 - Technology and Design: Global Perspectives	

*The sequence of MTH 1110 - College Algebra for Calculus and MTH 1120 - College Trigonometry may be substituted for MTH 1400.

(Concentration courses listed in bold)