



**METROPOLITAN STATE UNIVERSITY**  
**OF DENVER**  
**College of Professional Studies**

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

First Year		
Fall: 16 Credits	MET 1000 (3) Intro to Mechanical Engineering Technology <b>OR</b>	
	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 <b>AND</b>	
	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 <b>AND</b>	
	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 <b>AND</b>	
	PHY 2341 (1) General Physics II Laboratory	
	PHI 1030 (3) Introduction to Ethics <b>OR</b>	
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 <b>OR</b>	
	EET 3730 (2) Process Control Systems <b>AND</b>	
	EET 3740 (2) Programmable Logic Controllers	
	MET 3185 (3) Fluid Mechanics	
	MET 3410 (3) Geometric Dimensioning & Tolerancing	
	<b>MET Upper Division Elective (3)</b>	
Fourth Year		
Fall: 16 Credits	Arts and Humanities (3) GD or MC Recommended	
	<b>MET 3070 (3) Machine Design (Fall)</b>	
	<b>MET 3125 (3) Heat Transfer with Laboratory (Fall)</b>	
	MET 4000 (3) Project Engineering (Fall)	
	MET 4100 (1) Senior Project I (Senior Experience)	
	<b>MET Upper Division Elective (3)</b>	
Spring: 14 Credits	<b>MET 3320 (3) Instrumentation Laboratory (Spring)</b>	
	<b>MET 4070 (3) Computer Aided Design (Spring)</b>	
	<b>MET 4280 (3) Advanced Energy Technology (Spring)</b>	
	MET 4110 (2) Senior Project II (Senior Experience)	
	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)**