



**METROPOLITAN STATE UNIVERSITY<sup>SM</sup>**  
**OF DENVER**  
**College of Professional Studies**

Mechanical Engineering Technology, B.S. - Mechanical Concentration (Coop Option)  
 Minor (not required)  
 Fall 2016 catalog year

First Year		
Fall: 16 Credits	ENG 1010 (3) Composing Arguments (F, S, Su)	
	MET 1000 (3) Intro to Mechanical Engineering Tech. <b>OR</b> MET 1040 (3) Introduction to Engineering (F, S)	
	MET 1010 (3) Manufacturing Processes (F, S)	
	MET 1200 (3) Technical Drawing I (F, S)	
	MTH 1400 (4) Pre-Calculus (F, S, Su)	
Spring: 18 Credits	CAS 1010 (3) Public Speaking (F, S, Su)	
	CHE 1100 (4) Principles of Chemistry I <b>AND</b> CHE 1150 (1) Principles of Chemistry Lab I (F, S, Su)	
	MET 1210 (3) 3D Modeling (F, S)	
	MET 1310 (3) Principles of Quality Assurance (F, S)	
	MTH 1410 (4) Calculus I (F, S, Su)	
Second Year		
Fall: 17 Credits	EET 2350 (3) Advanced Technical Programming	
	ENG 1020 (3) Freshman Comp: Anly, Rsrch, & Doc (F, S, Su)	
	MET 2200 (3) Materials of Engineering (F, S)	
	MTH 2410 (4) Calculus II (F, S, Su)	
	PHY 2311 (4) General Physics I <b>AND</b> PHY 2321 (1) General Physics I Laboratory (F, S, Su)	
Spring: 18 Credits	CET 2150 (3) Mechanics I-Statics (F, S)	
	COM 2610 (3) Introduction to Technical Writing (F, S, Su)	
	CPD 290A (1) Internship Preparation	
	ECO 2020 (3) Principles of Microeconomics (F, S, Su)	
	PHI 1030 (3) Introduction to Ethics (F, S, Su) <b>OR</b> PHI 3360 (3) Business Ethics (F, S, Su)	
	PHY 2331 (4) General Physics II <b>AND</b> PHY 2341 (1) General Physics II Laboratory (F, S, Su)	
	Summer	Coop I

Third Year			
Fall	Coop I continued from Summer		
Spring: 16 Credits	CET 3135 (4) Mechanics of Materials with Laboratory (F, S)		
	EET 2000 (3) Electric Circuits and Machines (F, S)		
	Historical (3) MC recommended		
	MET 3110 (3) Thermodynamics (F, S)		
	MET 3160 (3) Mechanics II-Dynamics (F, S)		
Fourth Year			
Fall: 13 Credits	EET 3010 (4) Industrial Electronics (F, S) <b>OR</b> EET 3730 (2) Process Control Systems <b>AND</b> EET 3740 (2) Programmable Logic Controllers		
	MET 3185 (3) Fluid Mechanics I (F, S)		
	MET 3410 (3) Geometric Dimensioning & Tolerancing (F, S)		
	MET upper-division elective (3)		
	Spring	Coop II	
	Summer	Coop II from spring continued	
Fifth Year			
Fall: 16 Credits	Arts and Humanities (3)		
	MET 3070 (3) Machine Design (F)		
	MET 3125 (3) Heat Transfer with Laboratory (F)		
	MET 4000 (3) Project Engineering (F)		
	MET 4100 (1) Senior Project I (Sr. Exp.)		
	MET upper-division elective (3)		
	Spring: 14 Credits	MET 3320 (3) Instrumentation Laboratory (S)	
MET 4070 (3) Computer Aided Design (S) (Sr. Exp.)			
MET 4280 (3) Advanced Energy Technology (S)			
MET 4110 (2) Senior Project II			
Social Behavioral I (3) IND 2810 GD recommended			