



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

Advanced Manufacturing Sciences, B.S. - Mechanical Engineering Technology Concentration  
 Minor (Not Required)  
 2018 - 2019 Catalog Year

First Year		
Fall: 16 Credits	Written Communication (3)	
	Oral Communication (3)	
	MTH 1110 (4) College Algebra for Calculus	
	PHI 1030 (3) Introduction to Ethics (Recommended)	
	IND 1450 or CET 1215 or MET 1200 (3)	
Spring: 14 Credits	Written Communication (3)	
	AMS 1010 (3) Survey of Adv Manuf & Workplace Prep	
	MTH 1120 (3) College Trigonometry	
	CHE 1100 (4) Principles of Chemistry <b>AND</b> CHE 1150 (1) Principles of Chemistry Laboratory	

Third Year		
Fall: 16 Credits	Art and Humanities (3) MC or GD recommended	
	COM 2610 (3) Introduction to Technical Writing	
	MET 3000 (4) Manufacturing Analysis	
	MET 3215 (3) Composites Manufacturing	
	MET 3250 (3) Tool Design and Production Tooling	
Spring: 16 Credits	Historical (3) MC or GD recommended	
	CSS 3000 (4) Computing for Adv Manufacturing	
	MET 3100 (3) N/C Computer Programming	
	MET 3260 (3) Direct Digital Manufacturing	
	Advisor Approved Elective* (3)	

Second Year		
Fall: 15 Credits	PHY 2010 (4) College Physics I <b>AND</b> PHY 2030 (1) College Physics Laboratory	
	MET 1010 or IND 2830 (3)	
	MTH 1410 (4) Calculus I	
	CIS 1010 (3) Introduction to Computers*	
Spring: 15 Credits	CIS 2010 (3) Foundation of Information Systems	
	EET 1001 (3) Electronics: An Introduction	
	MET 1310 (3) Principles of Quality Assurance	
	MET 1210 (3) 3D Modeling	
	MET 2200 (3) Materials of Engineering	

Fourth Year		
Fall: 15 Credits	ECO 2020 (3) Principles of Microeconomics (Recommended)	
	MET 3300 (3) Statistical Process Control	
	MET 3410 (3) Geometric Dimensioning and Tolerancing	
	MET 3630 (3) Lean Manufacturing Systems Engineering	
	Advisor Approved Elective* (3)	
Spring: 12 Credits	CET 3120 (3) Engineering Economy	
	AMS 4950 (3) Professional Internship	
	MGT 3000 (3) Organizational Management	
	MET 3735 (3) Computer Integrated Manufacturing	

\*Students need to complete 9 credits of AMS advisor approved electives. All students are required to complete 40 credits of Upper Division to graduate. *NOTE: If not a transfer student, may need to complete an additional 1-credit of GS Natural & Physical Sciences*