



METROPOLITAN STATE UNIVERSITYSM

OF DENVER

College of Professional Studies

Advanced Manufacturing Sciences, B.S.- Mechanical Engineering Technology Concentration
 Minor (not required)
 Catalog Year: 2016-17

First Year		
Fall: 16 Credits	ENG 1010 (3) Composing Arguments Or ENG 1009	
	MTH 1110 (4) College Algebra	
	Oral Communication (3)	
	AMS 1010 (3) Survey of Advanced Manufacturing	
	IND 1450 (3) OR CET 1215 (3) or MET 1200 (3)	
Spring: 15 Credits	ENG 1020 (3) Freshman Comp: Anly, Rsrch, & Doc.	
	MTH 1120 (3) Trigonometry	
	EET 1001 (3) Electronics: An Introduction	
	MET 1010 (3) OR IND 2830 (3)	
	Arts and Humanities (3)*	

Second Year		
Fall: 16 Credits	CHE 1100 (4) & CHE 1150 (1) Prin. Chemistry I & Lab	
	COM 2610 (3) Introduction to Technical Writing	
	MET 1310 (3) Principles of Quality Assurance	
	MTH 1410 (4) Calculus I	
	Natural and Physical Sciences (1)****	
Spring: 14 Credits	PHY 2010 (4) & PHY 2030 (1) College Physics I & Lab	
	CIS 2010 (3) Foundations of Info. Systems	
	MET 1210 (3) 3D Modeling	
	Arts and Humanities (3)-select course approved for Multicultural	

*PHI 1030-Ethics is recommended

**ECO 2020 Microeconomics is recommended

*** PHY 1020-Physics for Advanced Technology is recommended

Third Year		
Fall: 16 Credits	CS 3000 (4) Computing for Advanced Manufacturing	
	CET 3120 (3) Engineering Economy	
	Historical (3)-select course approved for Global Div.	
	MET 2200 (3) Materials of Engineering	
	MET 3100 (3) N/C Computer Programming	
Spring: 15 Credits	MET 3215 (3) Composites Manufacturing	
	MET 3250 (3) Tool Design and Production Tooling	
	MET 3260 (3) Direct Digital Manufacturing	
	Social and Behavioral Sciences II (3)**	
	Approved Major Electives (3)****	

Fourth Year		
Fall: 16 Credits	MET 3000 (4) Advanced Manufacturing Analysis	
	MET 3300 (3) Statistical Process Control	
	MET 3410 (3) Geometric Dimensioning & Tolerance	
	MGT 3000 (3) Organizational Management	
	Approved Major Electives (3)****	
Spring: 12 Credits	AMS 4950 (3-6) Professional Internship	
	MET 3630 (3) Lean Manufacturing	
	MET 3735 (3) Computer Integrated Manufacturing	
Approved Major Electives (3)****		

****Students need to complete 9-credits of AMS advisor approved electives. All students are required to complete 40-credits of upper-division to graduate.