



METROPOLITAN STATE UNIVERSITYSM

OF DENVER

College of Professional Studies

Advanced Manufacturing Sciences, B.S.- Operations Management Concentration

Minor (not required)

Fall 2017 catalog year

First Year		
Fall: 16 Credits	Written Communication (3)	
	MTH 1110 (4) College Algebra	
	Oral Communication (3)	
	AMS 1010 (3) Sur. of Adv. Manufacturing & Workplace Preparation	
	IND 1450 (3) OR CET 1215 (3) or MET 1200 (3)	
Spring: 15 Credits	Written Communication (3)	
	MTH 1120 (3) Trigonometry	
	EET 1001 (3) Electronics: An Introduction	
	MET 1010 (3) OR IND 2830 (3)	
	Approved Major Electives (3)****	

Second Year		
Fall: 16 Credits	MTH 1210 (4) Introduction to Statistics	
	COM 2610 (3) Introduction to Technical Writing	
	Historical (3)-select course approved for Global Div.	
	MET 1310 (3) Principles of Quality Assurance	
	MGT 1850 (3) Introduction to Business	
Spring: 14 Credits	CIS 2010 (3) Foundations of Info. Systems	
	PHY 2010 (4) & PHY 2030 (1) College Physics I & Lab	
	Social and Behavioral Sciences II (3)**	
	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: 15 Credits	CET 3120 (3) Engineering Economy	
	CS 3000 (4) Computing for Advanced Manufacturing	
	MGT 3000 (3) Organizational Management	
	MET 3000 (4) Manufacturing Analysis	
	Natural & Physical Sciences (1)***	
Spring: 14 Credits	MGT 3530 (3) Human Resource Management	
	MGT 3550 (3) Operations Management	
	Approved Major Electives (5) ****	
	Arts and Humanities (3)*	
Fourth Year		
Fall: 15 Credits	MGT 4050 (3) Purchasing & Supply Chain Mgmt.	
	MGT 4350 (3) Enterprise Planning	
	MGT 4550 (3) Project Management	
	Approved Major electives (6)****	
Spring: 15 Credits	AMS 4950 (3-6) Professional Internship	
	Approved Major Electives (12)****	

****Students need to complete 26-credits of AMS advisor approved electives. A minimum of 8 credits of electives must be upper-division. All students are required to complete 40-credits of upper-division to graduate.