



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Advanced Manufacturing Sciences, B.S.- Civil Engineering/Construction 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)	
	ARCH 2003 (3) Building Structures	

Second Year		
Fall: 14 Credits	PHY 2010 (4) & PHY 2030 (1) College Physics I & Lab	
	COM 2610 (3) Introduction to Technical Writing	
	MET 1310 (3) Principles of Quality Assurance	
	Historical (3)-select course approved for Global Div.	
Spring: 16 Credits	CET 3120 (3) Engineering Economy	
	CIS 2010 (3) Foundations of Info. Systems	
	Arts and Humanities (3)-select course approved for Multicultural	
	Natural & Physical Sciences (1)***	
	Social and Behavioral Sciences II (3)**	
	Approved Major Electives (3)****	

Third Year		
Fall: 14 Credits	CET 3100 (3) Construction Methods	
	CS 3000 (4) Computing for Adv. Manufacturing	
	MET 3000 (4) Advanced Manufacturing Analysis	
	Approved Major Electives (3)****	
Spring: 15 Credits	CET 3110 (3) Construction Estimating	
	MGT 3000 (3) Organizational Management	
	Approved Major Electives (6)****	
	Arts and Humanities (3)*	

Fourth Year		
Fall: 15 Credits	CET 4150 (3) Highway Engineering & Surveying	
	CET 4570 (3) Engineering Law	
	Approved Major Electives (9)****	
Spring: 15 Credits	AMS 4950 (3-6) Professional Internship	
	Approved Major Electives (12)****	

*PHI 1030-Ethics is recommended
 **ECO 2020 Microeconomics is recommended
 *** PHY 1020-Physics for Advanced Technology is recommended

****Students need to complete 33-credits of AMS advisor approved electives. A minimum of 11 credits of electives must be upper-division. All students are required to complete 40-credits of upper-division to graduate.