



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Advanced Manufacturing Sciences, B.S.- Computer Information Systems 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	
	Historical (3)-select course approved for Global Div.	
	EET 1001 (3) Electronics: An Introduction	
	MET 1010 (3) OR IND 2830 (3)	

Second Year		
Fall: 17 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	
	CIS 2010 (3) Foundations of Info. Systems	
	Arts and Humanities (3)*	
Spring: 15 Credits	CET 3120 (3) Engineering Economy	
	CIS 2110 (3) Structured Prob. Solving in Info. Sys.	
	Arts and Humanities (3)-select course approved for Multicultural	
	Social and Behavioral Sciences II (3)**	
	Approved Major Electives (3)	

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

Third Year		
Fall: 15 Credits	CIS 3050 (3) Fund. Of Systems Analysis & Design	
	CIS 3060 (3) Database Management Systems	
	CS 3000 (4) Computing for Adv. Manufacturing	
	MET 3000 (4) Manufacturing Analysis	
	Natural & Physical Sciences (1)***	
Spring: 15 Credits	CIS 3230 (3) Telecommunications Systems & Net.	
	CIS 3490 (3) Managing Bus. Info. with Ent. Systems	
	MGT 3000 (3) Organizational Management	
	Approved Major Electives (6)****	

Fourth Year		
Fall: 15 Credits	CIS 4260 (3) Database Administration	
	CIS 4410 (3) Management Information Systems	
	Approved Major Electives (9)****	
Spring: 12 Credits	AMS 4950 (3-6) Professional Internship	
	Approved Major Electives (9)****	

****Students need to complete 27-credits of AMS advisor approved electives & may not select in ACC, CIS, ECO, FIN, MKT, MGT. A minimum of 5 credits of electives must be upper-division. All students are required to complete 40-credits of upper-division to graduate.