



METROPOLITAN STATE UNIVERSITY™
OF DENVER
College of Professional Studies

Advanced Manufacturing Sciences, B.S. - Computer Information Systems Concentration
 Minor (Not Required)
 2018 - 2019 Catalog Year

First Year		
Fall: 13 Credits	Written Communication (3)	
	Oral Communication (3)	
	MTH 1110 (4) College Algebra for Calculus	
	PHI 1030 (3) Introduction to Ethics (Recommended)	
Spring: 15 Credits	Written Communication (3)	
	Historical (3) MC or GD recommended	
	AMS 1010 (3) Survey of Adv Manuf & Workplace Prep	
	IND 1450 or CET 1215 or MET 1200 (3)	
	CIS 1010 (3) Introduction to Computers*	

Third Year		
Fall: 16 Credits	CET 3120 (3) Engineering Economy	
	MET 3000 (4) Manufacturing Analysis	
	MGT 3000 (3) Organizational Management	
	CIS 3050 (3) Fundamentals of Systems Analysis and Design	
	CIS 3060 (3) Database Management Systems	
Spring: 16 Credits	CSS 3000 (4) Computing for Adv Manufacturing	
	CIS 3230 (3) Telecommunication Systems and Networking	
	Advisor Approved Elective* (3)	
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Second Year		
Fall: 15 Credits	Art and Humanities (3) MC or GD recommended	
	CIS 2010 (3) Foundation of Information Systems	
	EET 1001 (3) Electronics: An Introduction	
	MET 1010 or IND 2830 (3)	
	MTH 1120 (3) College Trigonometry	
Spring: 17 Credits	PHY 2010 (4) College Physics I AND	
	PHY 2030 (1) College Physics Laboratory	
	ECO 2020 (3) Principles of Microeconomics (Recommended)	
	COM 2610 (3) Introduction to Technical Writing	
	MET 1310 (3) Principles of Quality Assurance	
CIS 2110 (3) Structured Problem Solving in Information		

Fourth Year		
Fall: 15 Credits	CIS 3490 (3) Managing Business Info with Enterprise Systems	
	CIS 3500 (3) Information Systems Security	
	CIS 4260 (3) Database Administration	
	Advisor Approved Elective* (3)	
	Advisor Approved Elective* (3)	
Spring: 12 Credits	AMS 4950 (3) Professional Internship	
	CIS 4410 (3) Management Information Systems	
	Advisor Approved Elective* (3)	
	Advisor Approved Elective* (3)	

*Students need to complete 24 credits of AMS advisor approved electives. A minimum of 2 credits of electives must be Upper Division (3000 or 4000 level). 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*