



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Advanced Manufacturing Sciences, B.S. - Electrical Engineering Technology Concentration
 Minor (Not Required)
 2018 - 2019 Catalog Year

First Year		
Fall: 16 Credits	Written Communication (3)	
	Oral Communication (3)	
	MTH 1110 (4) College Algebra for Calculus	
	PHI 1030 (3) Introduction to Ethics (Recommended)	
	IND 1450 or CET 1215 or MET 1200 (3)	
Spring: 14 Credits	Written Communication (3)	
	AMS 1010 (3) Survey of Adv Manuf & Workplace Prep	
	MTH 1120 (3) College Trigonometry	
	CHE 1100 (4) Principles of Chemistry AND CHE 1150 (1) Principles of Chemistry Laboratory	

Third Year		
Fall: 15 Credits	Art and Humanities (3) MC or GD recommended	
	COM 2610 (3) Introduction to Technical Writing	
	EET 2000 (3) Electric Circuits and Machines	
	EET 3380 (3) Technical Programming for Advanced Manufacturing	
	Advisor Approved Elective* (3)	
Spring: 13 Credits	Historical (3) MC or GD recommended	
	CSS 3000 (4) Computing for Adv Manufacturing	
	EET 2145 (3) Electronics AND EET 2165 (1) Electronics Laboratory	
	EET 3740 (2) Programmable Logic Controllers	

Second Year		
Fall: 15 Credits	PHY 2010 (4) College Physics I AND PHY 2030 (1) College Physics Laboratory	
	MET 1010 or IND 2830 (3)	
	MTH 1410 (4) Calculus I	
	CIS 1010 (3) Introduction to Computers*	
Spring: 17 Credits	CIS 2010 (3) Foundation of Information Systems	
	EET 1001 (3) Electronics: An Introduction	
	MET 1310 (3) Principles of Quality Assurance	
	MTH 2410 (4) Calculus II	
	PHY 2020 (4) College Physics II	

Fourth Year		
Fall: 15 Credits	ECO 2020 (3) Principles of Microeconomics (Recommended)	
	MET 3000 (4) Manufacturing Analysis	
	EET 3370 (3) Digital Circuits for Advanced Manufacturing	
	EET 3690 (3) Fiber Optics	
	EET 3730 (2) Process Control Systems	
Spring: 15 Credits	CET 3120 (3) Engineering Economy	
	AMS 4950 (3) Professional Internship	
	MGT 3000 (3) Organizational Management	
	EET 4330 (3) Data Communications	
	EET 4730 (3) Robotics	

*Students need to complete 5 credits of AMS advisor approved electives. A minimum of 4 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*