



METROPOLITAN STATE UNIVERSITYSM
OF DENVER

College of Professional Studies

Advanced Manufacturing Sciences, B.S. - Electrical Engineering Technology Concentration
 Minor (Not Required)
 2019 - 2020 Catalog Year

First Year		
Fall: 16 Credits	ENG 1010 (3) Composing Arguments	
	Oral Communication (3)	
	MTH 1110 (4) College Algebra	
	PHI 1030 (3) Introduction to Ethics (Recommended)	
	MET 1010 (3) Manufacturing Processes (Recommended) OR IND 2830 (3) Manufacturing Materials and Processes	
Spring: 17 Credits	ENG 1020 (3) Research and Argument Writing	
	AMS 1010 (3) Survey of Adv Manuf & Workplace Prep	
	MTH 1120 (3) College Trigonometry	
	CHE 1100 (4) Principles of Chemistry	
	CHE 1150 (1) Principles of Chemistry Laboratory	
	CIS 1010 (3) Introduction to Computers*	

Third Year		
Fall: 16 Credits	CET 3120 (3) Engineering Economy	
	AMS 3010 (3) Additive Manufacturing Stratasys Cert Prep	
	MET 3000 (4) Manufacturing Analysis	
	EET 2000 (3) Electric Circuits and Machines	
	EET 3380 (3) Tech Prog for Adv Manuf or Any 3000-4000 EET	
Spring: 15 Credits	Historical (3) MC or GD recommended	
	CSS 1751 (3) Computing and Security for Manufacturing	
	EET 2145 (3) Electronics	
	EET 2165 (3) Electronics Laboratory	
	EET 3740 (3) Programmable Logic Controllers	
	EET 2310 (3) Digital Circuits I*	

Second Year		
Fall: 15 Credits	PHY 2010 (4) College Physics I	
	PHY 2030 (1) College Physics Laboratory	
	EET 1001 (3) Electronics: An Introduction	
	MET 1200 (3) Technical Drawing I (Recommended) OR IND 1450 (3) Technical Drawing and CAD OR CET 1215 (3) Engineering Graphics	
	MTH 1410 (4) Calculus I	
Spring: 17 Credits	ECO 2020 (3) Principles of Microeconomics (Recommended)	
	MET 1310 (3) Principles of Quality Assurance	
	MET 2010 (3) CNC Machining and Inspection	
	MTH 2410 (4) Calculus II	
	PHY 2020 (4) College Physics II	

Fourth Year		
Fall: 17 Credits	JMP 2610 (3) Introduction to Technical Writing	
	JMP 2610 Introduction to Technical Writing	
	EET 3690 (3) Fiber Optics or Any 3000-4000 EET	
	EET 3730 (2) Process Control Systems	
	EET 4730 (3) Robotics	
	Advisor Approved Elective (Must be 3000-4000)*	
Spring: 15 Credits	AMS 4950 (3) Professional Internship	
	EET 3370 (3) Digital Cir for Adv Manuf or Any 3000-4000 EET	
	EET 4330 (3) Data Communications	
	Advisor Approved Elective (Must be 3000-4000)*	
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*Students need to complete 8 credits of AMS advisor approved electives. A minimum of 8 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*