



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Advanced Manufacturing Sciences, B.S.-Aerospace 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) Survey of Advanced Manufacturing and Workplace Preparation	
	AES 1050 (3) Introduction to Space	
Spring: 15 Credits	Written Communication (3)	
	MTH 1120 (3) Trigonometry	
	EET 1001 (3) Electronics: An Introduction	
	IND 1450 (3) OR CET 1215 (3) or MET 1200 (3)	
	MET 1010 (3) OR IND 2830 (3)	

Third Year		
Fall: 14 Credits	AES 3600 (3) Space Flight Operations I	
	CS 3000 (4) Computing for Advanced Manufacturing	
	MET 3000 (4) Manufacturing Analysis	
	MGT 3000 (3) Organizational Management	
Spring: 15 Credits	AES 4601 (3) Space Flight Operations II	
	Approved Major Electives (3)*	
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	Social and Behavioral Sciences II (3) (ECO 2020 recommended)	

Second Year		
Fall: 17 Credits	PHY 2010 (4) College Physics I AND	
	PHY 2030 (1) College Physics I Lab	
	COM 2610 (3) Introduction to Technical Writing	
	MET 1310 (3) Principles of Quality Assurance	
	Historical (3) GD Recommended	
Arts and Humanities (3) (PHI 1030 Recommended)		
Spring: 16 Credits	AES 3530 (3) Aerodynamics	
	CET 3120 (3) Engineering Economy	
	CIS 2010 (3) Foundations of Information Systems	
	Arts and Humanities (3) MC Recommended	
	Natural & Physical Sciences (1) (PHY 1020 Recommended)	
	Approved Major Electives (3)*	

Fourth Year		
Fall: 15 Credits	AES 4602 (3) Aerospace Comm. Operations	
	AES 4603 (3) Aerospace Operations Systems Analysis Design	
	AES 4610 (3) Aerodynamic Design	
	Approved Major Electives (3)*	
	Approved Major Electives (3)*	
Spring: 12 Credits	AMS 4950 (3-6) Professional Internship	
	AES 4607 (3) Orbital Mechanics and Aerospace Systems Simulations	
	Approved Major Electives (3)*	
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*Students need to complete 24-credits of AMS advisor approved electives. A minimum of 2 credits of electives must be upper-division. All students are required to complete 40-credits of upper-division to graduate.