



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Aviation & Aerospace Science B.S. - Air Traffic Collegiate Training Initiative Concentration
 Minor (not required)
 Fall 2020 Catalog Year

First Year		
Fall: 16 Credits	AES 1100 (6) Aviation Fundamentals	
	AES 1400 (3) Aviation Weather (prereq or coreq AES 1100)	
	Written Communication (3)	
	MTH 1110 (4) College Algebra for Calculus OR MTH 1112 (4) College Algebra thru Modeling OR MTH 1310 (4) Finite Math-Mgmt & Social Sciences	
Spring: 15 Credits	AES 1710 (3) Instrument Flight Simulation I (prereq or coreq AES 1100)	
	Written Communication (3)	
	Oral Communication (3)	
	Natural & Physical Sciences (3)	
	Arts & Humanities (3)	

Third Year		
Fall: 15 Credits	AES 3880 (3) Aviation Security	
	AES Elective (3)	
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	Historical (3) MC or GD recommended	
Spring: 15 Credits	AES 4370 (3) Advanced Navigation Systems	
	AES Elective (3)	
	AES Elective (3)	
	AES Elective (3)	
	Arts & Humanities (3)	

Second Year		
Fall: 14 Credits	AES 2120 (4) Instrument Fundamentals	
	AES 2200 (4) Fundamentals of Air Traffic Control	
	Natural & Physical Sciences (3)	
	Social & Behavioral Sciences (3)	
Spring: 15 Credits	AES 2130 (3) Commercial Flight Operations	
	AES 2710 (3) Instrument Flight Simulation II (U.S. citizenship or TSA approval required: ask for details)	
	AES Elective (3)	
	AES Elective (3)	
	Social & Behavioral Sciences (3)	

Fourth Year		
Fall: 15 Credits	AES 4860 (3) Aviation Safety OR	
	AES 4870 (3) Aviation Safety Program Management	
	AES 4910 (3) Aviation & Aerospace Strategic Planning	
	Minor or General Elective (3)	
	Minor or General Elective (3)	
Spring: 15 Credits	AES 4100 (3) Advanced Air Traffic Control	
	AES 4210 (3) Airport Planning & Management II OR	
	AES 4930 (3) Professional Flight Standards Seminar OR	
	JMP 4790 Senior Seminar (3)	
	Minor or General Elective (3)	

*While any approved Natural & Physical Sciences course will be accepted, the department recommends PHY 1000: Intro to Physics