



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Aviation and Aerospace Science, B.S. - Air Traffic Collegiate Training Initiative Concentration

Minor or 18 free elective hours required

Fall 2018 catalog year

First Year		
Fall: 16 Credits	AES 1100 (6) Aviation Fundamentals (F, S)	
	AES 1710 (3) Instrument Flight Simulation I (F, S)	
	MTH 1110 (4) College Algebra for Calculus (F, S, Su) OR MTH 1112 (4) College Algebra Thru Modeling (F, S, Su) OR MTH 1310 (4) Finite Math – Mgmt & Soc. Sciences (F, S, Su)	
	Written Communication (3) (F, S, Su)	
Spring: 15 Credits	AES 1400 (3) Aviation Weather (F, S, Su)	
	Written Communication (3) (F, S, Su)	
	Natural & Physical Science* (3) (F, S, Su)	
	CAS 1010 (3) Public Speaking (F, S) OR CAS 1710 (3) Interpersonal Communication (F, S)	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)	

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

Second Year		
Fall: 14 Credits	AES 2120 (4) Instrument Fundamentals (F, S)	
	AES 2200 (4) Fundamentals of Air Traffic Control (F, S)	
	Natural & Physical Science (3) (F, S, Su)	
	Social Behavioral I (3) (F, S, Su) MC or GD recommended	
Spring: 15 Credits	AES 2130 (3) Commercial Flight Operations (F, S)	
	AES 2710 (3) Instrument Flight Simulation II (F, S)	
	Social Behavioral II (3) (F, S, Su) MC or GD recommended	
	AES Elective (3) (F, S, Su)	
	AES Elective (3) (F, S, Su)	

Fourth Year		
Fall: 15 Credits	AES 4860 (3) Aviation Safety (F, S) OR AES 4870 (3) Aviation Safety Program Management (F, S)	
	AES 4910 (3) Aviation & Aero. Strat. Planning (Sr. Exp.) (F, S)	
	Minor or general elective (3)	
	Minor or general elective (3)	
	Minor or general elective (3)	
	Minor or general elective (3)	
Spring: 15 Credits	AES 4100 (3) Advanced Air Traffic Control (F, S)	
	AES 4210 (3) Airport Planning and Management II* OR AES 4930 (3) Professional Flight Standards Seminar OR COM 4790 (3) Senior Seminar in Tech. Com. (Sr. Exp.) (F, S)	
	Minor or general Elective (3)	
	Minor or general elective (3)	
	Minor or general elective (3)	

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