



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Aviation and Aerospace Science, B.S. - Professional Flight Officer Concentration

Minor (not 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)	
	Written Communication (3)	
	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 and Soc. Sciences (F, S,	
Spring: 15 Credits	AES 1400 (3) Aviation Weather (F, S, Su)	
	Written Communication (3)	
	Natural & Physical Science* (3) (F, S, Su)	
	CAS 1010 (3) Public Speaking (F, S, Su) OR CAS 1710(3) Interpersonal Communication (F, S, Su)	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)	

Third Year		
Fall: 16 Credits	AES 3530 (3) Aerodynamics (F, S)	
	AES 3650 (4) Advance Flight Technologies (F, S)	
	AES 3880 (3) Aviation Security	
	AES 2220 (3) Flight Dispatcher & Load Planning (F, S)	
	Social Behavioral II (3) (F, S, Su)	
Spring: 15 Credits	AES 3710 (3) Multi-Engine Flight Simulation I (F, S)	
	AES 3850 (3) Human Factors and Phys. of Flight (F, S, Su)	
	AES 4040 (3) Aircraft Performance (F, S)	
	AES 4370 (3) Advanced Navigation Systems (F, S)	
	Minor or General Elective (3)	

Second Year		
Fall: 14 Credits	AES 2120 (4) Instrument Fundamentals (F, S)	
	AES 2200 (4) Fundamentals of Air Traffic Control (F, S)	
	Arts & Humanities (3) (F, S, Su)	
	Natural & Physical Science (3) (F, S, Su)	
Spring: 15 Credits	AES 2130 (3) Commercial Flight Operations (F, S)	
	ASE 2710 (3) Instrument Flight Simulation II (F, S)	
	AES 3000 (3) Aircraft Systems and Propulsion (F, S)	
	Historical (3) (F, S, Su) GD recommended	
	Social Behavioral I (3) (F, S, Su) MC recommended	

Fourth Year		
Fall: 14 Credits	AES 3550 (4) FAA Instructor Certification Ground (F, S)	
	AES 4710 (4) Turboprop Flight Simulation (F, S)	
	AES 4910 (3) Aviation & Aero. Strat. Planning (Sr. Exp.)	
	Minor or General Elective (3)	
Spring: 15 Credits	AES 4860 (3) Aviation Safety (F, S)	
	AES 4930 (3) Professional Flight Standards Seminar (F, S)	
	AES 4935 (4) Advanced Commercial Aircraft Systems (F)	
	Minor or General Elective (3)	
	Minor or General Elective (2)	

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