



METROPOLITAN STATE UNIVERSITYSM
OF DENVER
College of Professional Studies

Aviation and Aerospace Science, B.S. - Professional Flight Officer Concentration
 Minor (not required)
 Fall 2017 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) (F, S, Su)	
	MTH 1110 (4) College Algebra (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, Su)	
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Spring: 15 Credits	AES 1400 (3) Aviation Weather (F, S, Su)	
	Written Communication (3) (F, S, Su)	
	PHY 1250 (6) Physics of Aviation (F, S)	
	CAS 1010 (3) Public Speaking (F, S, Su) OR	
	CAS 1710(3) Interpersonal Communication (F, S, Su)	

Second Year		
Fall: 16 Credits	AES 2120 (4) Instrument Fundamentals (F, S)	
	Arts & Humanities (3) (F, S, Su)	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)	
	Social Behavioral I (3) (F, S, Su) MC recommended	
	Historical (3) (F, S, Su) GD recommended	
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Spring: 15 Credits	AES 2130 (3) Commercial Flight Operations (S)	
	ASE 2710 (3) Instrument Flight Simulation II (F, S)	
	Social Behavioral II (3) (F, S, Su)	
	AES 3000 (3) Aircraft Systems and Propulsion (F, S)	
	AES 2200 (3) Fundamentals of Air Traffic Control (F, S)	

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)	
	Minor or General Elective (3)	
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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) Advance Navigation Systems (F, S)	
	Minor or General Elective (3)	

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.) (F, S)	
	Minor or General Elective (3)	
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Spring: 13 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)	