

Metropolitan State University of Denver
Aviation and Aerospace Science Major, B.S.: Professional Flight Officer Concentration
Minor (required):
Fall 2014 catalog year

First Year	Suggested Course Plan	
Fall: 16 credits	AES 1100 (6) Aviation Fundamentals (F,S)	
	AES 1710 (3) Instrument Flight Simulation I (F, S)	
	ENG 1010 (3) Composing Arguments (F, S, Su)	
	MTH 1110 (4) College Algebra OR MTH 1112 (4) College Algebra Thru Modeling OR MTH 1310 (4) Finite Math- Mgmt & Soc Scncs (F,S,Su)	
Spring: 15 credits	AES 1400 (3) Aviation Weather (F,S, Su)	
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation (F, S, Su)	
	PHY 1250 (6) Physics of Aviation (F, S)	
	SPE 1010 (6) Public Speaking OR SPE 1710(3) Interpersonal Communication (F, S, Su)	

Third Year	Suggested Course Plan	
Fall: 16 credits	AES 3530 (3) Aerodynamics (F, S)	
	AES 3650 (3) Advance Flight Techniques (F, S)	
	AES 3880 (3) Aviation Security	
	Minor or Unrestricted Elective (3)	
	Minor or Unrestricted Elective (3)	
Spring: 15 credits	AES 3710 (3) Multi-Engine Flight Sim. L (F, S)	
	AES 3850 (3) Human Factors & Physiology of Flight (F, S, Su)	
	AES 4040 (3) Aircraft Performance (F,S)	
	AES 4370 (3) Advance Navigation Systems (F,S)	
	Minor or Unrestricted Elective (3)	

Second Year	Suggested Course Plan	
Fall: 16 credits	AES 2120 (4) Instrument Fundamentals (F, S,)	
	Arts and Humanities (3) (F, S, Su) Multicultural or Global Diversity recommended	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)	
	Social Behavioral I (3) (F, S, Su) Multicultural or Global Diversity recommended	
	Historical (3) (F, S, Su) Multicultural or Global Diversity recommended	
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) Multicultural or Global Diversity recommended	
	AES 3000 (3) Aircraft Systems & Propulsion (F, S)	
	Minor or Unrestricted Elective (3)	

Fourth Year	Suggested Course Plan	
Fall: 13 credits	AES 3550 (3) FAA Instructor Certification Ground (F, S)	
	AES 4710 (4) Turboprop Flight Simulation (F,S)	
	AES 4910 (3) Aviation & Aerospace Strategic Planning (Sr. Exp.) (F, S)	
	Minor or Unrestricted Elective (3)	
Spring: 14 credits	AES 4860 (3) Aviation Safety (F,S)	
	AES 4930 (3) Professional Flight Standards Seminar (F,S)	
	AES 4935 (3) Advanced Commercial Aircraft Systems (F)	
	Minor or Unrestricted Elective (3)	