

Metropolitan State University of Denver
Aviation Technology Major, B.S.: Aerospace Operations Concentration
Minor (required):
Fall 2012 Catalog

First Year	Suggested Course plan	Prerequisites	Alternative Course Plan
Fall: 16 credit hours	AES 1100 (6) Aviation Fundamentals (F, S)		
	AES 1400 (3) Aviation Weather (F, S, Su)		
	AES 1710 (3) Single Engine Flight Sim. I (F, S)		
	MTH 1110 (4) College Algebra OR MTH 1112 (4) College Algebra thru Modeling OR MTH 1310 (4) Finite Mathematics (F, S, Su)	Appropriate placement test score	
	TOTAL SEMESTER CREDIT HOURS:		
Spring: 15 credit hours	ENG 1010 (3) Freshman Composition: The Essay (F, S, Su)	Appropriate placement test score	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)		
	PHY 1250 (6) Physics of Aviation (F, S)	MTH 1110, 1310, or equivalent	
	SPE 1010 (3) Public Speaking (F, S, Su)		
	TOTAL SEMESTER CREDIT HOURS:		

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Second Year	Suggested Course plan	Prerequisite	Alternative Course Plan
Fall: 15 credit hours	AES 2220 (3) Flight Dispatcher & Load Planning (F, S)	AES 1100, 1400, and MTH 1110	
	ECO 2010 (3) Principles of Macroeconomics (F, S, Su)	ENG 1010 or 1020; any 1000-level MTH course	
	ENG 1020 (3) Freshman Composition: Analysis, Research, & Documentation (F, S, Su)	ENG 1010	
	AES Elective (3)		
	Minor (3)		
Spring: 16 credit hours	AES Elective (4)		
	AES Elective (3)		
	ECO 2020 (3) Principles of Microeconomics (F, S, Su)	ENG 1010 or 1020; any 1000-level MTH course	
	COM 2610 (3) Intro to Technical Writing OR MKT 2040 (3) Business Communication (F, S, Su)	ENG 1010 ENG 1010, 1020, SPE 1010 or 1710, and Quantitative Literacy	
	Minor (3)		

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Third Year	Suggested Course plan	Prerequisite	Alternative Course Plan
Fall: 16 credit hours	AES 3000 (3) Aircraft Systems & Propulsion (F, S)	AES 1100 or FAA Priv. Pilot Cert.; PHY 1250 or permission of instructor	
	AES Elective (4)		
	AES Elective (3)		
	Historical (3): HIS 1920, 3090, or 3590 recommended (multicultural) (F, S, Su)		
	Minor (3)		
Spring: 15 credit hours	AES 3850 (3) Human Factors & Physiology of Flight (F, S, Su)	At least Junior standing	
	AES 3880 (3) Aviation Security (F, S)	At least Junior standing	
	Arts and Humanities (3): ENG 2850 recommended (Global Diversity) (F, S, Su)		
	AES Elective (3)		
	Minor (3)		

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Fourth Year	Suggested Course plan	Prerequisite	Alternative Course Plan	
Fall: 15 credit hours	AES Elective (3)			
	AES 4860 (3) Aviation Safety OR AES 4870 (3) Aviation Safety Program Management (F, S)	Senior standing Completion of all required 3000-level AES courses and Senior Standing		
	AES 4370 (3) Advanced Navigation Systems (F, S)	AES 1100 & at least Junior standing		
	AES Elective (3)			
	Minor (3)			
				TOTAL SEMESTER CREDIT HOURS:
Spring: 12 credit hours	AES 4930 (3) Professional Flight Standards Seminar OR	Senior standing; AES 3000, AES 4040, & FAA Commercial Pilot Certificate with instrument rating Completion or concurrent enrollment in all AES core courses and Senior Standing Senior standing, 12 or more hours in AES or COM designated courses, or permission of instructor; satisfaction of all general studies requirements		
	AES 4950 (3) Aviation & Aerospace Science Management Strategies OR			
	COM 4790 (3) Senior Seminar in Technical Communications (F, S, Su)			
	AES 4910 (3) Aviation Management & Job Targeting (F, S)		Aerospace Science major & Senior standing	
	AES elective (3)			
	Minor (3)			
				TOTAL SEMESTER CREDIT HOURS:

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	Suggested Course plan	Prerequisite	Alternative Course Plan
Semester:			

Semester:			

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