

Metropolitan State University of Denver
Aviation Technology Major, B.S.: Air Traffic Collegiate Training Initiative 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	
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)		

This is only a guide and is not meant to replace advising with a faculty advisor. Students are recommended to meet with their faculty advisor at least once a year to review their degree plan.

Second Year	Suggested Course plan	Prerequisite	Alternative Course Plan
Fall: 15 credit hours	AES 2110 (6) Commercial/Instrument Ground (F, S)	AES 1100 & 1400	
	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	
	Minor (3)		
Spring: 16 credit hours	AES 2710 (3) Instrument Flight Simulation I (F, S)	AES 2110 or permission of instructor	
	AES 2200 (4) Fundamentals of Air Traffic Control (F, S)	AES 1100 or permission of instructor	
	ECO 2020 (3) Principles of Microeconomics (F, S, Su)	ENG 1010 or 1020; any 1000-level MTH course	
	Minor (3)		
	Elective (3) (F, S, Su)		

Third Year	Suggested Course plan	Prerequisite	Alternative Course Plan
Fall: 15 credit hours	AES 3460 (3) Weather for Aircrews (F, S)	AES 1400, at least Junior standing or permission of instructor	
	Historical (3) HIS 1920, 3090, or 3590 recommended (Multicultural) (F, S, Su)		
	Elective (3) (F, S, Su)		
	Elective (3) (F, S, Su)		
	Minor (3)		
Spring: 15 credit hours	AES 3880 (3) Aviation Security (F, S)	At least Junior standing	
	Arts and Humanities (3): ENG 2850 recommended (Global Diversity) (F, S, Su)		
	Elective (3) (F, S, Su)		
	Elective (3) (F, S, Su)		
	Minor (3)		

This is only a guide and is not meant to replace advising with a faculty advisor. Students are recommended to meet with their faculty advisor at least once a year to review their degree plan.

Fourth Year	Suggested Course plan	Prerequisite	Alternative Course Plan
Fall: 15 credit hours	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	
	Elective (3) (F, S, Su)		
	Elective (3) (F, S, Su)		
	Minor (3)		
Spring: 13 credit hours	AES 4930 (3) Professional Flight Standards Seminar OR	Senior standing; AES 3000, AES 4040, & FAA Commercial Pilot Certificate with instrument rating	
	AES 4950 (3) Aviation & Aerospace Science Management Strategies OR	Completion or concurrent enrollment in all AES core courses and Senior Standing	
	COM 4790 (3) Senior Seminar in Technical Communications (F, S)	Senior standing, 12 or more hours in AES or COM designated courses, or permission of instructor; satisfaction of all general studies requirements	
	AES 4910 (3) Aviation Management & Job Targeting (F, S)	Aerospace Science major & Senior standing	
	AES 4100 (3) Advanced Air Traffic Control (F, S)	AES 1400, 2110, 2200, or permission of instructor	
	Elective (1) (F, S, Su)		
	Minor (3)		

This is only a guide and is not meant to replace advising with a faculty advisor. Students are recommended to meet with their faculty advisor at least once a year to review their degree plan.

	Suggested Course plan	Prerequisite	Alternative Course Plan
Semester:			

Semester:			

	Suggested Course plan	Prerequisite	Alternative Course Plan
Semester:			

Semester:			

This is only a guide and is not meant to replace advising with a faculty advisor. Students are recommended to meet with their faculty advisor at least once a year to review their degree plan.