



# METROPOLITAN STATE UNIVERSITY<sup>SM</sup>

OF DENVER

## College of Professional Studies

Aviation and Aerospace Science, B.S. - Aerospace Operation Concentration

Minor (not required)

Fall 2015 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 (F, S, Su) OR	
	MTH 1112 (4) College Algebra Thru Modeling (F, S, Su) OR MTH 1310 (4) Finite Math- Management & Social Sciences (F, S, Su)	
Spring: 15 Credits	AES 1400 (3) Aviation Weather (F, S)	
	ENG 1020 (3) Freshman Comp: Anly, Rsrch, & Documt (F, S)	
	PHY 1250 (6) Physics of Aviation (F, S)	
	SPE 1010 (3) Public Speaking (F, S, Su) OR	
	SPE 1710 (3) Interpersonal Communication (F, S, Su)	

Third Year	Suggested Course Plan	
Fall: 15 Credits	AES 3600 (3) Space Flight Operations I (F)	
	AES Elective (3) (F, S)	
	AES 3850 (3) Human Factors and Physiology of Flight (F, S)	
	AES 3880 (3) Aviation Security (F, S)	
	Minor or General Elective (3) (F, S, Su)	
Spring: 15 Credits	AES 4370 (3) Advanced Navigation Systems (F, S)	
	AES 4601 (3) Space Flight Operations II (S)	
	AES Elective (3) (F, S)	
	Arts and Humanities (3) (F, S)	
	Minor or General Elective (F, S, Su)	

Second Year	Suggested Course Plan	
Fall: 15 Credits	AES 2220 (3) Flight Dispatcher and Load Planning (F, S)	
	AST 1040 (3) Introduction to Astronomy (F, S, Su)	
	PHI 1030 (3) Introduction to Ethics (F, S, Su)	
	Historical (3) (F, S, Su) MC or GD recommended	
	Social Behavioral I (3) (F, S, Su) MC or GD recommended	
Spring: 15 Credits	AES 1050 (3) Introduction to Space (F, S)	
	AES 3000 (3) Aircraft Systems and Propulsion (F, S)	
	COM 2610 (3) Intro to Technical Writing OR MKT 2040 (3) Business Communication (F, S, Su)	
	Social and Behavioral Science II (3) (F, S, Su)	
	Minor or General Elective (3) (F, S, Su)	

Fourth Year	Suggested Course Plan	
Fall: 15 Credits	AES 4200 (3) Airport Planning and Management I (F, S)	
	AES 4603 (3) Aerospace Op. System Analysis & Design (F)	
	AES 4860 (3) Aviation Safety (F, S) OR AES 4870 (3) Aviation Safety Program Management (F)	
	Minor or General Elective (3) (F, S, Su)	
	Minor or General Elective (3) (F, S, Su)	
Spring: 14 Credits	AES 4602 (3) Aerospace Commercialized Operations (F, S)	
	AES 4607 (3) Orbital Mech. & Aerospace Systems Sim. (F, S)	
	AES 4910 (3) Aviation & Aerospace Strategic Planning (Sr. Exp.) (F, S)	
	AES 4930 (3) Professional Flight Standards Sem. (F, S) OR AES 4210 (3) Airport Planning and Management II (F, S) OR COM 4790 (3) Senior Seminar in Tech. Comm. (F, S)	
	Minor or General Elective (2) (F, S, Su)	