



Aviation & Aerospace Science B.S. - Air Traffic Control Concentration

Minor (not required)

Fall 2024 Catalog Year

First Year		
Fall: 14 Credits	AES 1100 (4) Aviation Fundamentals	
	AES 1400 (3) Aviation Weather	
	Written Communication (3)	
	Quantitative Literacy (4) Algebra-based math course recommended	
Spring: 15 Credits	AES 1710 (3) Instrument Flight Sim I	
	Written Communication (3)	
	Oral Communication (3)	
	Natural & Physical Science (3)	
	Arts & Humanities (3)	

Third Year		
Fall: 15 Credits	AES 3880 (3) Aviation Security	
	AES Elective (3)	
	AES Elective (3)	
	AES Elective (3)	
Spring: 15 Credits	Historical (3) ESSJ or GD recommended	
	AES 4370 (3) Advanced Navigation Systems	
	AES Elective (3)	
	AES Elective (3)	
	AES Elective (3)	
	Arts & Humanities (3)	

Second Year		
Fall: 14 Credits	AES 2120 (4) Instrument Fundamentals	
	AES 2200 (4) Fundamentals of Air Traffic Control	
	Natural & Physical Science (3)	
	Social & Behavioral Science (3) ESSJ or GD recommended	
Spring: 15 Credits	AES 2130 (3) Commercial Flight Operations	
	AES 2710 (3) Instrument Flight Simulation II	
	AES Elective (3)	
	AES Elective (3)	
	Social & Behavioral Science (3)	

Fourth Year		
Fall: 15 Credits	AES 4860 (3) Aviation Safety <b>OR</b>	
	AES 4870 Aviation Safety Program Management	
	AES 4910 (3) Aviation & Aerospace Strategic Planning	
	AES Elective (3)	
	Minor or General Elective (3)	
	Minor or General Elective (3)	
Spring: 17 Credits	AES 4100 (3) Advanced Air Traffic Control	
	AES 4210 (3) Airport Planning & Management II <b>OR</b>	
	AES 4930 (3) Professional Flight Standards Seminar <b>OR</b>	
	JMP 4790 (3) Senior Seminar	
	Minor or General Elective (3)	
	Minor or General Elective (3)	
	Minor or General Elective (5)	

Consider a certificate to be strategic with your AES elective courses!