

Bachelor of Science in Aeronautics with a Major in Air Traffic Management

NOTE: This program has a selective admission process. See your adviser for information.

Required: 120 credits (36 of which must be numbered 300 or above) including:

- I. Essential Studies Requirements (see University ES listing).
- II. School of Aerospace Sciences Requirements (see College section).
- III. The following curriculum:

Code	Title	Credits
Essential Studies Courses		
ENGL 110	College Composition I	3
ENGL 130	Composition II: Writing for Public Audiences	3
COMM 110	Fundamentals of Public Speaking	3
Social Science Electives		9
Fine Arts and Humanities Electives		9
ATSC 110	Meteorology I	3
ATSC 110L	Meteorology I Laboratory	1
MATH 107	Precalculus	3-4
or MATH 110	Mathematics in Society	
PHYS 161	Introductory College Physics I	4-5
or PHYS 150	Physics for Aerospace Sciences	
Aviation Courses		
AVIT 100	Aviation Orientation	1
AVIT 102	Introduction to Aviation	3-6
or AVIT 105	Essentials of Flight	
or AVIT 142 & AVIT 143	Introduction to Aviation-Helicopter and Private Pilot-Helicopter Certification Lab	
AVIT 103	Introduction to Air Traffic Management	2
AVIT 126	Introduction to UAS Operations	2
AVIT 208	Aviation Safety	3
AVIT 250	Human Factors	2
AVIT 260	Control Tower Operations I	4
AVIT 261	RADAR Operations I	4
AVIT 362	Advanced Tower Operations II	4
AVIT 363	RADAR Operations II	4
AVIT 402	Airport Planning and Administration	3
AVIT 403	Aerospace Law	3
AVIT 464	Control Tower/Radar Operations III	4
AVIT 468	Non-RADAR Environment	4
AVIT 469	Air Traffic Control Computer Equipment and Message Entry	2
AVIT 470	Enroute RADAR Operations	4
AVIT 485	Aviation Senior Capstone	3
Other Requirements		
Select one of the following		3
COMM 212	Interpersonal Communication	
COMM 401	Organizational Communication	
Select three of the following		8-10
AVIT 239	Autonomous Fundamentals	
AVIT 309	Flight Physiology	

AVIT 311	Safety Management System (SMS)	
AVIT 312	Aircraft Accident Investigation	
AVIT 314	Advanced Aircraft Accident Investigation	
AVIT 328	Fundamentals of Aircraft Systems Operations	
AVIT 350	Human Error	
AVIT 430	Crew Resource Management	
AVIT 476	Risk Management	
ATSC 231	Aviation Meteorology	
MGMT 300	Principles of Management	
Select one of the following		3
BADM 225	Professional Communication for Business	
ENGL 227	Literature and the Environment	
ENGL 230	Analyzing Worldview through Story	
ENGL 231	Literature and Social Issues	
ENGL 308	The Art of Writing Nonfiction	

Plus electives to reach 120 credits

* Students will be required to use their electives to establish expertise in a second field, which means completion of a second major, a minor, a specialization, or other degree sub-plans. The Aviation Department may be consulted to discuss other sub-plan options.