

Bachelor of Science in Aeronautics with a Major in Aviation Safety and Operations

Code	Title	Credits
AVIT 176	Aviation Safety Standards for Construction Activities	3
AVIT 208	Aviation Safety	3
AVIT 276	OSHA Safety Standards for Industry	3
AVIT 311	Safety Management System (SMS)	3
AVIT 312	Aircraft Accident Investigation	3
AVIT 313	Aviation Insurance	3
AVIT 314	Advanced Aircraft Accident Investigation	3
AVIT 350	Human Error	3
AVIT 376	Hazardous Materials Management	3
AVIT 412	Aviation Safety Analysis	3
AVIT 443	Airport Safety and Emergency Management	3
AVIT 476	Risk Management	3

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:

Communication (9 total credits)

Code	Title	Credits
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 total credits)

Code	Title	Credits
Elective		3
Elective		3
Elective		3

Fine Art and Humanities Electives (9 total credits)

Code	Title	Credits
Humanities Elective		3
Fine Arts Elective		3
Fine Arts or Humanities Elective		3

Math, Science, and Technology (9 total credits)

Code	Title	Credits
Elective		3
Elective		3
Elective		3

Aviation Requirements

Code	Title	Credits
AVIT 100	Aviation Orientation	1
AVIT 105	Essentials of Flight (Pilot Certificate can replace AVIT 105 requirement.)	3
AVIT 103 or AVIT 104	Introduction to Air Traffic Management Fundamentals of Air Traffic Management	2
AVIT 126	Introduction to UAS Operations	2
AVIT 250	Human Factors	2
AVIT 328	Fundamentals of Aircraft Systems Operations	3
AVIT 402	Airport Planning and Administration	3
AVIT 403	Aerospace Law	3
AVIT 405	Airline Operations and Management	3
AVIT 407	General Aviation Operations and Management	3
AVIT 485	Aviation Senior Capstone	3

Safety Courses