

Bachelor of Science in Aeronautics with a Major in Commercial Aviation

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 103	College Algebra	3
Math, Science, and Technology Elective		2
Aviation Core Courses		
AVIT 100	Aviation Orientation	1
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 309	Flight Physiology	3
AVIT 327	Gas Turbine Engines	2
AVIT 403	Aerospace Law	3
AVIT 411	International and Long Range Navigation	3
AVIT 430	Crew Resource Management	3
AVIT 485	Aviation Senior Capstone	3
Select two of the following:		6
AVIT 402	Airport Planning and Administration	
AVIT 405	Airline Operations and Management	
AVIT 407	General Aviation Operations and Management	
Other Requirements		
ATSC 231	Aviation Meteorology	4
Select one of the following:		3
ENGL 227	Literature and the Environment	3
or ENGL 230	Analyzing Worldview through Story	
or ENGL 308	The Art of Writing Nonfiction	
or BADM 225	Professional Communication for Business	
Required Courses - Airplane Option		
AVIT 102	Introduction to Aviation	5
AVIT 221	Basic Attitude Instrument Flying	3
AVIT 222	IFR Regulations and Procedures	3
AVIT 323	Aerodynamics - Airplanes	3
AVIT 324	Aircraft Systems	3
AVIT 325	Multi-Engine Systems and Procedures	2
AVIT 414	Certified Flight Instructor Certification	5
AVIT 415	Instrument Flight Instructor	4
AVIT 421	Advanced Aerodynamics	3
AVIT 428	Transport Category Aircraft Systems	4
AVIT 480	Advanced Aircraft Operations	3

Required Courses - Helicopter Option

AVIT 142	Introduction to Aviation-Helicopter	5
AVIT 143	Private Pilot-Helicopter Certification Lab	1
AVIT 241	Commercial Helicopter	4
AVIT 242	Introduction to Commercial Flying-Helicopter Lab	1
AVIT 247	R44 Helicopter Transition Lab	1
AVIT 310	Public Safety Aviation	3
AVIT 342	IFR Regulations and Procedures-Helicopter	3
AVIT 343	Instrument Rating-Helicopter Certification Lab	1
AVIT 444	Helicopter Advanced Operations	4
AVIT 445	Commercial Pilot-Helicopter Certification Lab	1
Two of the Following Courses for the Helicopter Option		
AVIT 311	Safety Management System (SMS)	3
AVIT 238	UAS Operator Certification	3
AVIT 247	R44 Helicopter Transition Lab	1
AVIT 415	Instrument Flight Instructor	4
AVIT 440	Helicopter Instructor Certification	1
Plus electives to total 120 credits.		