Bachelor of Science in Aeronautics with a Major in Unmanned Aircraft Systems Operations

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
CSCI 130	Introduction to Scientific Programming	4
OR		
CSCI 160	Computer Science I	
CSCI 290	Cyber-Security and Information Assurance	3
Other Requirements		
ATSC 231	Aviation Meteorology	4
Select one of the following:		
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	
Aviation Courses		
AVIT 100	Aviation Orientation	1
AVIT 102	Introduction to Aviation	5
AVIT 103	Introduction to Air Traffic Management	2
AVIT 126	Introduction to UAS Operations	2
AVIT 208	Aviation Safety	3
AVIT 221	Basic Attitude Instrument Flying	3
AVIT 222	IFR Regulations and Procedures	3
AVIT 238	UAS Operator Certification	3
AVIT 239	Autonomous Fundamentals	2
AVIT 240	UAS Enabling Concepts	3
AVIT 250	Human Factors	2
AVIT 323	Aerodynamics - Airplanes	3
AVIT 324	Aircraft Systems	3
AVIT 331	UAS Flight Systems	3
AVIT 332		3
AVIT 333	UAS Remote Sensing	4
AVIT 337	Survey of Unmanned Aircraft Systems	2
AVIT 403	Aerospace Law	3
AVIT 430	Crew Resource Management	3
AVIT 450	Counter UAS Applications	3
AVIT 485	Aviation Senior Capstone	3
Low Altitude UAS Commercial Applications and Operations		
AVIT 419	sUAS Commercial Operations	4
Medium/High Altitude Long Endurance UAS Commercial Applications and Operations		
AVIT 325	Multi-Engine Systems and Procedures	2
AVIT 438	UAS Operations	4

Plus electives to total 120 credits.