Unmanned Aircraft Systems Operations – Airplane   2019 Catalog

Medium/High Altitude Long Endurance UAS Commercial Applications and Operations

NAME_____   STUDENT ID_____

Essential Studies Requirements:

I. Communication *(9 credits)*

Engl	110	Composition I	3_____
Engl	130	Composition II	3_____
Comm	110	Fund. Public Speaking	3_____

II. Social Science *(9 credits; 2 depts.)*

_____	3_____
_____	3_____
_____	3_____

III. Fine Arts and Humanities *(9 credits; 2 depts.)*

Fine Arts Course

_____	3_____

Humanities Course

_____	3_____

Fine Arts or Humanities Course

_____	3_____

IV. Math, Science & Technology *(9 credits)*

AtSc	110	Meteorology I	3_____
AtSc	110L	Meteorology Lab	1_____
Math	103	College Algebra	3_____
CSci	130	Intro to Scientific Computing	
	OR		4_____
CSci	160	Computer Science I	
CSci	290	Cyber-Security Info Assur.	3_____

Other Requirements

AtSc	231	Aviation Meteorology	4_____

Note: This leads to a single and multi-engine commercial

certificate with instrument rating.

Electives as needed to meet graduation requirements

Aviation Requirements:

Flight Courses

Avit	102	Introduction to Aviation	5_____
Avit	221	Basic Attitude Inst. Flying	3_____
Avit	222	IFR Regulation & Procedures	3_____
Avit	238	UAS Operations Certification	3_____
Avit	323	Aerodynamics – Airplanes	3_____
Avit	325	Multi-Engine Systems & Proced.	2_____
Avit	337	Survey of UAS	2_____
Avit	438	UAS Operations	4_____

Non-Flight Courses

Avit	100	Aviation Orientation	1_____
Avit	103	Intro to Air Traffic Management	2_____
Avit	126	Intro to UAS Operations	2_____
Avit	208	Aviation Safety	3_____
Avit	239	Autonomous Fundamentals	2_____
Avit	240	UAS Enabling Concepts	3_____
Avit	250	Human Factors	2_____
Avit	324	Aircraft Systems	3_____
Avit	331	UAS Flight Systems	3_____
Avit	332	UAS Ground Systems	3_____
Avit	333	UAS Remote Sensing	4_____
Avit	403	Aerospace Law	3_____
Avit	430	Crew Resource Mgmt.	3_____
Avit	450	Counter UAS Applications	3_____
Avit	485	Aviation Senior Capstone	3_____

Other Requirements (One of the Following)

Engl	227	Intro to Lit. and Culture	3_____
Engl	228	Diversity in Global Lit.	3_____
Engl	229	Diversity in U.S. Lit.	3_____
Engl	308	Art of Writing Non Fiction	3_____
Badm	225	Prof Comm for Business	3_____

X= currently enrolled in course