Aviation • Professional Fixed Wing Pilot
Unmanned Aerial System Operator Option
Semester Course Outline • 2021 – 2022
18 Months (4 Semesters) • Revised: 9/9/21
Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 64

LAKE AREA
TECH COLLEGE

First Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AVM 203	Reciprocating Engine Technology	42	1.5
FLT 100	Introduction to Aviation	28	1
FLT 105	Aviation Meteorology	45	3
FLT 110	Private Pilot Ground School	42	1.5
FLT 115	Private Pilot Flight	84	3
FLT 120	Human Factors in Aviation	15	1
FLT 125	Private Pilot Check Ride	14	.5
MATH 101 or MATH 114	Intermediate Algebra or College Algebra *	45	3

● Selected Computer Course (Choose one)
  CSC 102 – Window Application for Technicians
  CSC 105 – Computer Software Applications
		45	3

	Total	360	17.5

First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AVM 212	Gas Turbine Engine Technology	42	1.5
FLT 130	Glider Tow	28	1
FLT 135	Instrument Ground School	42	1.5
FLT 140	Instrument Flight	56	2
FLT 145	Aviation Safety	30	2
FLT 150	Aviation Law	30	2
FLT 155	Airspace Systems and Operations	56	2
FLT 160	Instrument Pilot Check Ride	14	.5
FLT 165	Intro to Unmanned Flight	28	1
	Total	326	13.5

Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
FLT 200	Aviation Seminar	60	4
FLT 205	PIC Safety Pilot	28	1
FLT 210	Commercial Cross Country Flight	56	2
FLT 220	Commercial Pilot Ground School	56	2
FLT 225	Advanced Aircraft Systems	45	3
FLT 230	Air Traffic Control	45	3
• Selected Communications Course (Choose one) CMST 101 – Fundamentals of Speech * (CSS 100 – Career Search Strategies .5 credit) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit)		45	3
	Total	335	18

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
FLT 235	Commercial Pilot Check Ride	14	.5
FLT 245	SEL Commercial Maneuvers	28	1
FLT 255	Multiengine Flight	28	1
FLT 260	Check Ride Prep	14	.5
FLT 265	Multiengine Check Ride	14	.5
FLT 277	Specialized Flight Operations	28	1
FLT 279	Exploring Professional Aerial Services	28	1
FLT 281	History and Development of Beyond Visual Line of Sight (BVLOS)	28	1
FLT 283	Beyond Visual Line of Sight (BVLOS) Ops Lab	70	2.5
• Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology *		45	3
• Selected Social Science Course (Choose one) ECON 105 – Leadership in the Global Workplace ECON 201 – Principles of Microeconomics I * ECON 202 – Principles of Macroeconomics II * SOC 100 – Introduction to Sociology *		45	3
	Total	342	15

● Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (*) can be transferred directly to the university system. Students should speak with an advisor before doing so.

− Students who select to take transferable communications course CMST 101 or ENGL 101, must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates and is included in the COMM 101 course but is separate from the university system.

− COMM 100 – Technical Communications may be substituted for the selected communications course requirement when necessary. Students who select to take COMM 100 must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates but is not included in the COMM 100 course content.

Optional Courses (Dual Credit Students)

FLT 102 – Intro to Unmanned Aerial System   2 Credits   56 Clock Hours

FLT 132 – Advanced Unmanned Aerial System   1 Credit   28 Clock Hours

FLT 295 – Drone Certification   1 Credit   28 Clock Hours