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TO: South Dakota Aeronautics Commission

FROM: Jack Dokken, Office of Aeronautics

DATE: June 18, 2019

SUBJECT: Lake Area Technical Institute Donation

Lake Area Tech (LATI) is requesting funding from the State Aeronautics Fund to help expand their aviation program. They are going to launch a new two-year Professional Pilot program this fall. LATI is asking for \$30,000 for avionics acquisitions.

The attached documents include LATI's request letter and the Professional Pilot curriculum for the upcoming year.



LAKE AREA
TECH
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June 14, 2019

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Dear South Dakota DOT Aeronautics Commission;

I am writing to make a request as a follow-up on a comment that I "shouldn't hesitate to ask for help" that came from the South Dakota Aeronautics Commission during a tour of the school during the last Airports Board Conference in Watertown.

Lake Area Tech's Aviation Program is flourishing, our current enrollment in Aviation Maintenance this fall is at a level I have not seen in the past 23 years I have been at Lake Area Tech. Additionally, we will be launching our new two-year Professional Pilot program which provides new opportunities to prospective students who desire pilot training in a technical school environment. We have developed a curriculum (see attached) that I feel will perfectly serve the needs of our students as they enter the pilot workforce.

The Lake Area Tech Aviation Program would like to request the Aeronautics Commission's support our aviation program with \$30,000 for avionics acquisitions. This would benefit both of the aviation options, as it would serve a dual purpose of supporting both the pilot and mechanic training programs.

Thank you for your consideration in this matter and any support would be truly appreciated and make an enormous impact on the student's education.

Aviation Department Supervisor

Aviation • Professional Fixed Wing Pilot Semester Course Outline • 2019 – 2020



18 Months (4 Semesters) • Revised: 4/1/19

Associate of applied Science (A.A.S.) Degree • Credits Required for Diploma: 66.5

LAKE AREA
TECH

First Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AVM 203	Reciprocating Engine Technology	42	1.5
FLT 100	Introduction to Aviation	84	2
FLT 105	Aviation Meteorology	45	3
FLT 110	Fundamentals of Aviation Ground School Instruction	42	1.5
FLT 115	Fundamentals of Flight	42	1.5
FLT 120	Human Factors in Aviation	15	1
FLT 125	Private Pilot Check Ride	14	.5
MATH 102	College Algebra	45	3
<ul style="list-style-type: none"> Selected Computer Course (Choose one) CSS 102 – Window Application for Technicians CSS 105 – Computer Software Applications 		45	3
Total		374	17

First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AVM 212	Gas Turbine Engine Technology	84	3
FLT 130	Glider Tow	28	1
FLT 135	Instrument Ground Instruction	56	2
FLT 140	Instrument Flight	42	1.5
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
Total		340	14

Aviation • Professional Fixed Wing Pilot • Page 2

Semester Course Outline • 2019 – 2020

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	42	1.5
FLT 215	Commercial Cross Country Ground	14	.5
FLT 220	Advanced Airspace Systems Operations	56	2
FLT 225	Advanced Aircraft systems	45	3
FLT 230	Commercial Pilot Check Ride	14	.5
<ul style="list-style-type: none"> • Selected Communications Course (Choose one) – ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) – SPCM 101 – Fundamentals of Speech * (CSS 100 – Career Search Strategies .5 credit) 		45	3.5
Total		304	16

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
FLT 235	Air Traffic Control	45	3
FLT 240	Intro to Unmanned Flight	28	1
FLT 245	SEL Commercial Maneuvers Ground Instruction	14	.5
FLT 250	SEL Commercial Maneuvers Flight	14	.5
FLT 255	CFI SEL Commercial Maneuvers Ground Instruction	14	.5
FLT 260	CFI SEL Commercial Maneuvers Flight	14	.5
FLT 265	Advanced Multi Engine Ground Instruction	28	1
FLT 270	Advanced Multi Engine Flight	42	1.5
FLT 275	Check Ride Prep	14	.5
FLT 280	Multi-Engine Check ride	14	.5
FLT 285	CFI Check Ride	14	.5
FLT 290	CFII Check Ride	14	.5
FLT 295	FAA Fundamentals of Instruction	45	3
<ul style="list-style-type: none"> • Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * 		45	3
<ul style="list-style-type: none"> • 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		390	19.5

- 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 ENGL 101 or SPCM 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 separate from the university system.