

## Professional Flight Technology - Plan of Study Fall 2009

Name: \_\_\_\_\_ Entry Date \_\_\_\_\_

### Associate of Applied Science Courses (AVFLTECH-AS)

\* = Typically offered in fall only

\*\* = Typically offered in spring only

First Sem.	Substitute	Gr		Second Sem.	Substitute	Gr		Third Sem.	Substitute	Gr		Fourth Sem.	Substitute	Gr	
AT 10000*			1	AT 12100**			3	AT 21000			1	AT 21100			1
AT 14400			4	AT 23100			2	AT 24100*			3	AT 25300			2
AT 14500			2	AT 24300			2	AT 24800			2	AT 25400			4
ENGL 10600/10800			3	AT 24500 (S/S)			1	AT 24900			4	PHYS Sel <sup>1</sup>			4
MA 15900			5	COM 11400			3	ECON 21000/25100			3	STAT 30100			3
				MA 22100/22300			3	PSY 12000			3				
				POL 10100/13000			3								
Total			15	Total			17	Total			16	Total			14

Students must complete **ALL** the courses listed above before they will be permitted to enroll in 30000-40000 level aviation courses.

(62)

### Bachelor of Science Courses (AVPRF-FLT-BS)

Fifth Sem.	Substitute	Gr		Sixth Sem.	Substitute	Gr		Seventh Sem.	Substitute	Gr		Eighth Sem.	Substitute	Gr	
AT 30000			3	AT 30100			2	AT 40000			1	AT 46600**			1
AT 32100*			2	AT 32200**			2	AT 41600			2	AT 46800**			1
AT 32300*			1	AT 32400**			1	AT 46500*			1	AT 49700			3
AT 35300			1	AT 32700			3	AT 46700*			1	PFT Selective <sup>1</sup>			3
AT 35400*			2	AT 35600			2	AT 49600			1	PFT Selective <sup>1</sup>			3
AT 35500*			4	AT 38400**			2	PFT Selective <sup>1</sup>			3	ENGL Selective <sup>1</sup>			3
PHYS Sel <sup>1</sup>			4	EAS 32500**			3	OLS/MGMT Sel <sup>1</sup>			3	Free Elective			1
								TECH COM Selective <sup>1</sup>			3	Globalization <sup>2</sup>			0
Total			17	Total			15	Total			15	Total			15

<sup>1</sup> Information about selective courses may be found on the reverse side of this sheet.

(62)

<sup>2</sup> Globalization: Due to the international nature of the aviation industry, all B.S. degree students must complete a globalization requirement using one of the following options:

- a. Complete any university-sponsored study abroad program lasting at least 7 days
- b. Complete an internship or approved international research project that involves at least 7 days of international travel
- c. Provide documentation of having lived/traveled outside the U.S. for at least 15 days after a student's 12<sup>th</sup> birthday.
- d. Complete or place out of the Level IV course in any foreign language.

## PROFESSIONAL FLIGHT TECHNOLOGY SELECTIVE COURSES AND INFORMATION

### AT SIMULATOR SEQUENCES

Students must complete at least two credit hours in at least one sequence to graduate.

#### AT Simulator Sequence 1 (B-727)

AT 46600 Transport Aircraft Operations Lecture IV

AT 46800 Transport Aircraft Operations Lab IV

or

#### AT Simulator Sequence 2 (Regional)

AT 46900 Airline Copilot Operations (*Requires consent of Department and special consideration.*)

### GENERAL EDUCATION SELECTIVE COURSES

ENGL Sel (Sem. 8): ENGL 30900, 42000, 42100

OLS/MGMT Sel (Sem. 7): MGMT 20000, OLS 25200

TECH COM Sel (Sem. 7): COM 31500, 32000, 32400, 41500

PHYS Selectives (Sems. 4 & 5):

PHYS 17200 Modern Mechanics

PHYS 21800 General Physics

PHYS 21900 General Physics II

PHYS 22000 General Physics

PHYS 22100 General Physics

PHYS 24100 Electricity and Optics

### PFT SELECTIVE COURSES

Select 9 credits hours from the following courses:

AT 38100 Aviation Security

AT 41200 Aviation Finance

AT 43300 Aviation Internship

AT 47500 Aviation Law

AT 48100 Aviation Safety

IT 28100 Industrial Safety

MGMT 45500 Legal Background for Business I

MGMT 45600 Legal Foundations for Business II

OLS 28400 Leadership Practices

OLS 33100 Occupational Safety and Health

OLS 38600 Leadership for Organizational Change

Any 50000-level AT courses

**Or complete** one of the following academic minors in:

Minor in Communication

Minor in Earth & Atmospheric Science

Minor in Economics (Krannert)

Minor in Management (Krannert)

Minor in Organizational Leadership & Supervision

Minor in Political Science

**Or complete** the Certificate in Entrepreneurship and Innovation

### CTI AIR TRAFFIC CONTROL ENDORSEMENT

All AT students may add the CTI ATC Endorsement if desired. To be eligible to add the CTI ATC endorsement to your PFT degree program you must complete your degree in Professional Flight Technology with the following specific courses included in the degree program (no substitutions). Students must obtain a grade of 'C' or better in the required courses to be eligible for CTI endorsement.

AT 10000 Introduction to Aviation

AT 10600 Basic Aircraft Science

AT 14400 Fundamentals of Flight

AT 12100 Aircraft Powerplants for Flight Crews

AT 24100 Aircraft Systems for Flight Crews

AT 28500 ATC Procedures and Weather

AT 36900 Air Traffic Control

AT 47900 Control Tower Operator

AT 48100 Aviation Safety

Completion of the online **Air Traffic Control Preparation** course and associated examination.

This course is designed to prepare individuals for success in the Federal Aviation Administration (FAA) air traffic controller training program. Through the use of online lectures, programmed learning workbooks, presentations, and exams, this course will cover all the material required prior to employment by the FAA. This material includes air traffic control procedures, federal aviation regulations, aviation weather observation and reporting, principles of navigation, and the use and interpretation of aeronautical charts. The course is offered through Continuing Education and has a separate fee. Students have access to the material for three years upon enrollment. Students must obtain a minimum of 80% on each section of the examination.