

## Professional Flight Technology - Plan of Study Fall 2007

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

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

\* = FALL ONLY COURSES    \*\* = SPRING ONLY COURSES

First Sem.	Substitute	Gr		Second Sem.	Substitute	Gr		Third Sem.	Substitute	Gr		Fourth Sem.	Substitute	Gr	
AT 100*			1	AT 147**			3	AT 210			1	AT 211			1
AT 144			4	AT 231			2	AT 247*			3	AT 253			2
AT 145			2	AT 243			2	AT 248			2	AT 254			4
ENGL COMP <sup>1</sup>			3	AT 245 (S/S)			1	AT 249			4	Free Elective			3
MA 159			5	COM 114			3	ECON 210			3	PHYS Selective			4
				EAS 221**			3	PSY 120			3				
				MA 221			3								
<b>Total</b>			<b>15</b>	<b>Total</b>			<b>17</b>	<b>Total</b>			<b>16</b>	<b>Total</b>			<b>14</b>

Students must complete **ALL** the courses listed above before they will be permitted to enroll in 300-400 level aviation courses.

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

Fifth Sem.	Substitute	Gr		Sixth Sem.	Substitute	Gr		Seventh Sem.	Substitute	Gr		Eighth Sem.	Substitute	Gr	
AT 300			3	AT 301			2	AT 400			1	AT 466/468**			2
AT 321 *			2	AT 327			3	AT 416			2	PFT Selective			3
AT 323 *			1	AT 322 **			2	AT 465 *			1	PFT Selective			3
AT 353			1	AT 324 **			1	AT 467 *			1	ENGL Selective <sup>1</sup>			3
AT 354 *			2	AT 356			2	PFT Selective			3	Free Elective			2
AT 355 *			4	AT 384**			2	OLS/MGMT Selective <sup>1</sup>			3	HUM Elective <sup>1</sup>			3
PHYS Selective			4	EAS 325**			3	TECH COM Selective <sup>1</sup>			3	Globalization			0
<b>Total</b>			<b>17</b>	<b>Total</b>			<b>15</b>	<b>Total</b>			<b>14</b>	<b>Total</b>			<b>16</b>

Globalization: Due to the international nature of the aviation industry, all B.S. degree students must complete a globalization requirement using any ONE of the following seven methods:

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1. Complete a study abroad term
2. Complete an internship outside the U.S.
3. Complete an AT-sponsored study trip (AT 452 & 453)
4. Provide documentation of having lived/traveled outside the U.S. for at least 90 days after a student's 12<sup>th</sup> birthday (does not have to be consecutive)
5. Complete one of the following courses: AGECE 250, 340; AGRY 350; ANTH 205, 303; COM 303; CSR 332; OLS 456; HIST 104, 105, 241, 243, 272, 341; IDIS 380; JPN 280; CHNS 280; POL 130, 141, 235; SOC 338, 341.
6. Complete or place out of the Level IV course in any foreign language
7. Participate in an approved international research project that involves at least 5 days of international travel

## Professional Flight Technology Simulator & Selective Areas

### **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 466 Transport Aircraft Operations Lecture IV

AT 468 Transport Aircraft Operations Lab IV

or

AT Simulator Sequence 2 (Regional)

AT 469 Airline Copilot Operations

*Requires consent of Department and special consideration.*

### **SELECTIVES<sup>1</sup>**

ENGL COMP (Sem1): ENGL 106/108.

ENGL (Sem. 8): ENGL 420, ENGL 421

OLS/MGMT Sel (Sem. 7): ECON 251, 252, 570, MGMT 200, 323, OLS 252, 274 .

TECH COM Sel (Sem. 7): COM 315, 320, 324, 325, 415,

HUM Elec (Sem. 8): Humanities free elective

#### PHYS Selective

PHYS 152	Mechanics
PHYS 218	General Physics
PHYS 219	General Physics
PHYS 220	General Physics
PHYS 221	General Physics
PHYS 251	Heat, Electricity, and Optics

### **PFT SELECTIVE AREAS**

Select 9 credits hours from the following courses:

AT 381 Aviation Security

AT 412 Aviation Finance

AT 433 Aviation Internship

AT 475 Aviation Law

AT 481 Aviation Safety

IT 281 Industrial Safety

MGMT 455 Legal Background for Business I

MGMT 456 Legal Foundations for Business II

OLS 284 Leadership Practices

OLS 331 Occupational Safety and Health

OLS 386 Leadership for Organizational Change

OLS 456 Leadership in a Global Environment

**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 OPTION**

All AT students may add the CTI Air Traffic Control Option if desired. To be eligible to add the CTI Air Traffic Control endorsement to your FLIGHT 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 100 Introduction to Aviation

AT 106 Basic Aircraft Science

AT 144 Fundamentals of Flight

AT 147/247 Aircraft Systems I and II

or AT 187

AT 285 ATC Procedures and Weather

AT 481 Aviation Safety

Additional CTI specific required coursework includes:

AT 369 Air Traffic Control

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. 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.