AVIATION TECHNOLOGY, PROFESSIONAL FLIGHT TECHNOLOGY

ENTERING DATE AUGUST, 2011 NAME: _____

FIRST SEMESTER	SUBSTITUTE	GR	CR	SECOND SEMESTER	SUBSTITUTE	GR	CR
AT 101 - Gateway to Aviation Technology			3	AT 102 - Aviation Business			3
AT 145 - Private Pilot Flight			2	AT 201 - Aircraft Design & Structures			3
ENGL Selective – English Composition			3	AT 103 - Aerospace Vehicle Propulsion & Tracking			3
MA 159 – Precalculus			5	AT 243 - Commercial Flight I			2
TECH 120 - Technology and the Individual			3	COM 114 - Fundamentals of Speech Communication			3
				Calculus Selective[1]			3
Total			**16**	**Total**			**17**

THIRD SEMESTER	SUBSTITUTE	GR	CR	FOURTH SEMESTER	SUBSTITUTE	GR	CR
AT 203 - Aviation Operations Management			**3**	AT 202 - Aerospace Vehicle Systems Design, Analysis & Operations			**3**
AT 210 - Ground Trainer I			**1**	AT 211 - Ground Trainer II			**1**
AT 223 - Human Factors for Flight Crews			**3**	AT 253 - Instrument Flight			**2**
AT 248 - Commercial Flight II			**2**	AT 254 - Commercial Flight Lectures			**3**
AT 249 - Instrument Flight Lectures			**3**	STAT 301 – Elementary Statistical Methods			**3**
PSY 120 – Elementary Psychology			**3**	Lab Science Selective[1]			**4**
Total			**15**	**Total**			**16**

FIFTH SEMESTER	SUBSTITUTE	GR	CR	SIXTH SEMESTER	SUBSTITUTE	GR	CR
AT 353 - Multi-engine Flight			**1**	AT 327 - Advanced Transport Flight Operations			**3**
AT 354 - Turbine Flight Operations Lecture			**2**	AT 388 - Large Aircraft Systems			**3**
TECH 330 - Technology and the Global Society			**3**	AT 395 - Turbine Aircraft Simulation Laboratory			**1**
Minor Selective			**3**	EAS 325** - Aviation Meteorology			**3**
Lab Science Selective[1]			**4**	ECON Selective[1]			**3**
POL Selective[1]			**3**	Minor Selective			**3**
Total			**16**	**Total**			**16**

SEVENTH SEMESTER	SUBSTITUTE	GR	CR	EIGHTH SEMESTER	SUBSTITUTE	GR	CR
AT 396 - Turbine Aircraft Flight Laboratory			**1**	AT 416 - Airline Indoctrination			**1**
AT 496* – Applied Research Proposal			**1**	AT 487 - Transport Aircraft Simulation Lab			**2**
TECH 320 - Technology and the Organization			**3**	AT 497** – AT Capstone Selective			**3**
Advanced ENGL Sel[1]			**3**	Minor Selective			**3**
TECH COM Selective[1]			**3**	Free Elective			**5**
Minor Selective			**3**	Globalization[2]			**0**
Total			**15**	**Total**			**14**

[1] Information about selective courses and 2Globalization Requirements may be found on the reverse side of this sheet.

* Indicates course offered only fall semester. ** Indicates course offered only spring semester.

AVIATION TECHNOLOGY: PROFESSIONAL FLIGHT

1 Selectives

POL - POL 10100 or POL 10300

ENGL – ENGL 10600 or ENGL 10800

Calculus – MA 22100 or MA 22300

Lab Science (8 credits of LAB science from the College of Science)

ECON (3 credits)

ECON 21000
ECON 25100*
ECON 25200*

*(required if pursuing a minor in management)

Adv Engl Selective – ENGL 42000 or ENGL 42100

TECH/COM – COM 31500, 32000, 32400, or 41500

2 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 12th birthday.
d. Complete or place out of the Level IV course in any foreign language

Air Traffic Control

Any student from the flight curriculum is eligible to complete the FAA CTI program. A detailed explanation of the curriculum is available online at www.tech.purdue.edu/at; the courses that need to be completed to qualify for CTI recommendation in addition to the BS degree in Aviation are:

AT 36900
AT 47900

Capstone Credit (3 credit hours)

AT 49600 and AT 49700

Minor or Thematic Area (12 credit hour minimum)

Students must complete 12 credit hours in one of the following areas:

Any university approved minor. Some of the possible minors include:

- Foreign language such as: Chinese, French, German, Italian, Japanese, Russian, Spanish and Portuguese
- Environmental politics and policy
- Law and society
- Political science
- Psychology
- Economics
- Management
- Earth and atmospheric science
- International studies
- Mathematics
- Physics
- Statistics
- Biotechnology
- End-user computing
- Organizational leadership and supervision

----------< OR >----------

9 credit hours towards a M.S. degree & at least 3 credit hours of 300-400 level electives

----------< OR >----------

Any approved thematic group of at least 12 credit hours in one of the following areas:

- Aeronautical Engineering Technology
- Agriculture
- Engineering or Science
- Data Analysis and/or Computer Systems
- Industrial Organization, Manufacturing and Safety
- Government Policy
- Travel and Tourism
- Entrepreneurship and Business
- Logistics
- Foreign Language
- Management and/or Economics
- Atmospheric Science
- Political Science
- Public Relations
- Statistics