AVIATION TECHNOLOGY, AVIATION MANAGEMENT

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
ENGL Selective – English Composition			3	AT 103 - Aerospace Vehicle Propulsion & Tracking			3
MA 159 – Precalculus			5	PSY 120 – Elementary Psychology			3
TECH 120 - Technology and the Individual			3	COM 114 - Fundamentals of Speech Communication			3
POL Selective[1]			3	Calculus Selective[1]			3
Total			**17**	**Total**			**15**

THIRD SEMESTER	SUBSTITUTE	GR	CR	FOURTH SEMESTER	SUBSTITUTE	GR	CR
AT 201 - Aircraft Design & Structures			3	AT 202 - Aerospace Vehicle Systems Design, Analysis & Operations			3
AT 252 – Aviation Projects*			3	AT 362 – Aviation Operations			3
MGMT 200 –Intro Accounting			3	MGMT 201 –Management Accounting			3
Data Analysis Selective[1]			3	Lab Science Selective[1]			4
Lab Science Selective[1]			4	ECON Selective[1]			3
Total			**16**	**Total**			**16**

FIFTH SEMESTER	SUBSTITUTE	GR	CR	SIXTH SEMESTER	SUBSTITUTE	GR	CR
AT 203 - Aviation Operations Management			3	TECH 320 - Technology and the Organization			3
AM Selective[3]			3	AT 475** - Aviation Law			3
Minor Selective			3	AM Selective[3]			3
STAT 301 – Elementary Statistical Methods			3	Minor Selective			3
AM Selective[3]			3	Advanced ENGL Sel[1]			3
Total			**15**	**Total**			**15**

SEVENTH SEMESTER	SUBSTITUTE	GR	CR	EIGHTH SEMESTER	SUBSTITUTE	GR	CR
AM Selective[3]			3	Capstone Experience			3
AM Selective[3]			3	Free Elective			3
AT 481 – Aviation Safety Problems*			3	Free Elective			3
TECH 330 - Technology and the Global Society			3	Minor Selective			3
Minor Selective			3	TECH COM Selective[1]			3
			3	Globalization[2]			0
Total			**18**	**Total**			**15**

[1] Information about selective courses and 2Globalization Requirements & 3AM selectives on reverse side of this sheet.

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

AVIATION TECHNOLOGY: AVIATION MANAGEMENT TECHNOLOGY

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 or ECON 25100*orECON 25200*
 *(required if pursuing a minor in management)
Data Analysis Selective –CNIT 14100, 15500, CGT 14100, 15500, 16300, CS 23500
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 Aviation Management 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 Project (3 credit hours)
And Focused Selectives (up to 9 credit hours)
See attached sheet for detailed description of projects.

3 AM Selectives(15 credit hours)
Any 300, 400, or 500 level AT prefixed courses including, but not limited to:
AT 35900* – Airport Management
AT 36900 *– Air Traffic Control
AT 38100 **– Aviation Security
AT 41200 *– Aviation Finance
AT 43800 *– Airline Operations
AT 45100 **– Airport Operations
AT 47900** – Control Tower Operator

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

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

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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

CAPSTONE PROJECT (AT 498) AND AVIATION MANAGEMENT SELECTIVES (15 CREDIT HOURS)

Students will work with an approved faculty member on a senior capstone project as well as complete 15 credit hours of aviation management selectives. The faculty member must approve the capstone project activity as well as identify a set number required courses that must be completed prior to enrolling in the capstone project course. These required courses count towards the 15 credit hour aviation management selective requirement. Possible capstone project subject areas, faculty members and required AM selectives include:

Aviation Finance - Prof. Lopp (denver@purdue.edu) - AT 41200 Aviation Finance, one course in Finance, Economics or Management plus 9 additional aviation management selective credits.

Air Traffic Control-Prof. Nolan (mnolan@purdue.edu) –AT 36900 Air Traffic Control and AT 47900 Control Tower Operator plus 9 additional aviation management selective credits.

Innovations in Aviation - Prof. Suckow (msuckow@purdue.edu) – ENTR 20000; Intro to Entrepreneurship and ENTR 31000, Marketing and Management for New Ventures plus 9 additional aviation management selective credits.

FBO and Airport Service Quality and Productivity Measures- Prof. Bowen (bdbowen@purdue.edu) – AT 43800 Airline Operations and one additional lower level STAT course plus 9 additional aviation management selective credits. .

Productivity and Performance and Airline Quality - Prof. Bowen (bdbowen@purdue.edu) – AT 43800 Airline Operations and one additional lower level STAT course plus 9 additional aviation management selective credits. .

Safety Management - Prof. Lu (ctlu@purdue.edu) and/or Prof. Ropp (tropp@purdue.edu) – AT 38100 Aviation Security and AT 43800 Airline Operations plus 9 additional aviation management selective credits.

Air Vehicle Lifecycle Maintenance; Hangar of the Future Technologies – Prof. Ropp (tropp@purdue.edu) – IT 23000 Supply Chain Mgmt, one course in computer programming or networking plus 9 additional aviation management selective credits.

Aviation Law and Policy - Prof. Schreckengast (swschrec@purdue.edu) or Prof. Lu (ctlu@purdue.edu)- AT 35900 Airport Management, AT 38100 Aviation Security, one government or policy class plus 6 additional aviation management selective credits.

Airport Management and Operations – Prof. Schreckengast (swschrec@purdue.edu) – AT 38100 Aviation Security, AT 35900 Airport Management and AT 45900 Airport Operations plus 6 additional aviation management selective credits..

Aviation Data Analysis – Prof. Nolan (mnolan@Purdue.edu) –two lower level STAT classes and one additional computer systems course plus 6 additional aviation management selective credits. .

Aviation Management (AM) Selectives
include any 300, 400 or 500 level AT prefixed courses including, but not limited to:
AT 35900 - Airport Management
AT 36900 - Air Traffic Control
AT 38100 - Aviation Security
AT 41200 - Aviation Finance
AT 43800 - Airline Operations
AT 45100 - Airport Operations
AT 47900 - Control Tower Operator[1]