PURDUE UNIVERSITY

Professional Flight Technology
College of Technology

AVPRF-BS
120 credits for graduation

Departmental/Program Major Courses (116 credits)

Required Major Courses (55 credits)

_____	(3)	AT 10100	Gateway to Aviation Technology
_____	(3)	AT 10200	Aviation Business
_____	(3)	AT 10300	Aerospace Vehicle Propulsion and Tracking Systems
_____	(3)	AT 20200	Aerospace Vehicle Systems Design, Analysis and Operations
_____	(3)	AT 20300	Aviation Operations Management
_____	(3)	AT 49800	AT Capstone
_____	(2)	AT 14500	Private Pilot Flight
_____	(1)	AT 21000	Ground Trainer I
_____	(1)	AT 21100	Ground Trainer II
_____	(3)	AT 22300	Human Factors for Flight Crews
_____	(2)	AT 24300	Commercial Flight I
_____	(2)	AT 24800	Commercial Flight II
_____	(3)	AT 24900	Instrument Flight Lectures
_____	(2)	AT 25300	Instrument Flight
_____	(3)	AT 25400	Commercial Flight Lectures
_____	(3)	AT 32700	Advanced Transport Flight Operations
_____	(1)	AT 35300	Multi-engine Flight
_____	(2)	AT 35400	Turbine Flight Operations Lectures
_____	(3)	AT 38800	Large Aircraft Systems
_____	(1)	AT 39500	Turbine Aircraft Simulation Laboratory
_____	(1)	AT 39600	Turbine Aircraft Flight Laboratory
_____	(2)	AT 41600	Airline Indoctrination
_____	(2)	AT 48700	Transport Aircraft Simulation Laboratory
_____	(3)	AT 32500	Advanced Aviation Meteorology

Other Departmental /Program Course Requirements (55 credits)

_____	(3)	Humanities Foundational Selective *(satisfies Human Cultures Humanities for core)*
_____	(3)	Behavioral/Social Science Foundational Selective (satisfies Human Culture Behavioral/Social Science for core)
_____	(3)	TECH 12000 *(satisfies Information Literacy Selective for core)*
_____	(4)	PHYS 21800 *(satisfies Science Selective for core)*
_____	(3)	Science Foundational Selective *(satisfies Science Selective for core)*
_____	(3)	ENGL 10600 or ENGL 10800 *(satisfies Written Communication for core)*
_____	(3)	COM 11400 *(satisfies Oral Communication for core)*
_____	(3)	MA 15800 (satisfies *Quantitative Reasoning Selective* for core)
_____	(3)	MA 22100 (satisfies *Quantitative Reasoning Selective* for core)
_____	(3)	Economics Selective
_____	(3)	Advanced English Selective
_____	(3)	Technical Communications Selective
_____	(3)	STAT 30100
_____	(3)	TECH 32000
_____	(12)	Any University-approved minor or departmentally-approved thematic area of study

Electives (10 credits)

_____	(10)	**Free Electives**	____	( )	_____	____	( )	_____	____	( )	_____
_____	( )	_____	____	( )	_____	____	( )	_____	____	( )	_____

University Core Requirements

Human Cultures Humanities	€	**UCC Selective**	*Science, Technology & Society Selective*	€	**TECH 12000**
Human Cultures Behavioral/Social Science	€	**UCC Selective**	*Written Communication*	€	**ENGL 10600 / 10800**
Information Literacy	€	**TECH 12000**	*Oral Communication*	€	**COM 11400**
Science Selective	€	**PHYS 21800**	*Quantitative Reasoning*	€	**MA 15800**
Science Selective	€	**UCC Selective**	*Quantitative Reasoning*	€	**MA 22100**

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The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion

Professional Flight Technology

FIRST SEMESTER	Prerequisite	CR	SECOND SEMESTER	Prerequisite	CR
AT 10100 - Gateway to Aviation Technology		3	AT 10200 - Aviation Business		3
AT 14500 - Private Pilot Flight	AT 10100	2	AT 10300 - Aerospace Vehicle Propulsion		3
TECH 12000 - Technology and the Individual		3	AT 24300 - Commercial Flight I	AT 14500	2
MA 15800 – Precalculus		3	COM 11400 - Fundamentals of Speech Communication		3
English Composition Selective		3	Calculus Selective		3
Total		**14**	**Total**		**14**

THIRD SEMESTER	Prerequisite	CR	FOURTH SEMESTER	Prerequisite	CR
AT 20200 - Aerospace Vehicle Systems	AT 10100	3	Behavioral / Social Science Selective		3
AT 20300 - Aviation Operations Management	AT 10200	3	AT 21100 - Ground Trainer II	AT 21000	1
AT 21000 - Ground Trainer I	AT 24300	1	AT 25300 - Instrument Flight	AT 21100, AT 24800, AT 25400	2
AT 22300 - Human Factors for Flight Crews	AT 24300	3	AT 25400 - Commercial Flight Lectures	AT 24900	3
AT 24800 - Commercial Flight II	AT 24300	2	Thematic Area Selective		3
AT 24900 - Instrument Flight Lectures	AT 10100	3	PHYS 21800 – General Physics		4
		15	**Total**		**16**

FIFTH SEMESTER	Prerequisite	CR	SIXTH SEMESTER	Prerequisite	CR
AT 35300 - Multiengine Flight	AT 25300	1	AT 32700 - Advanced Transport Flight Operations	AT 25300	3
AT 35400 - Turbine Flight Operations Lecture	AT 25400	2	AT 38800 - Large Aircraft Systems	AT 35400	3
Free Elective		3	AT 39500 - Turbine Aircraft Simulation Laboratory	AT 35300	1
Thematic Area Selective		3	AT 32501 - Aviation Meteorology	AT 24900	3
Humanities Selective		3	STAT 30100 – Elementary Statistical Methods		3
Physical Science Selective		3	Free Elective		3
		15	**Total**		**16**

SEVENTH SEMESTER	Prerequisite	CR	EIGHTH SEMESTER	Prerequisite	CR
AT 39600 - Turbine Aircraft Flight Laboratory	AT 35400, AT 39500	1	AT 41600 - Airline Indoctrination	AT 48700	2
Economics Selective		3	AT 48700 - Transport Aircraft Simulation Lab	AT 32700, AT 38800, AT 39500, AT 41600	2
TECH 32000 - Technology and the Organization	TECH 12000	3	AT 49800 – AT Capstone	Senior Standing	3
Advanced English Selective		3	Thematic Area Selective		3
Technical Communication Selective		3	Free Elective		4
Thematic Area Selective		3	Globalization		0
Total		**16**	**Total**		**14**

120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.

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AVIATION TECHNOLOGY: PROFESSIONAL FLIGHT TECHNOLOGY

English Composition Selectives
ENGL 10600
ENGL 10800

Calculus Selectives
MA 16100
MA 16500
MA 22100
MA 22300

Advanced English Selectives
ENGL 42000
ENGL 42100

Economics Selectives
ECON 21000
ECON 25100
ECON 25200

Science, Humanities, and Behavioral/Social Science Selectives per UCC listing

Technical Communication Selectives
COM 31500
COM 32000
COM 32400
COM 41500

Thematic Area Selective Requirement (Can be fulfilled by any of the following):

- Any university approved minor
- 9 credit hours of 50000 level AT courses + 3 credit hours of 30000-40000-50000 level elective
- 6 credit hours of 20000-30000-40000 level courses from the following: EAS, ECON, ENTR, HTM, IT, MGMT, OLS, or POL AND 6 credit hours of 30000-40000 level courses from the following: EAS, ECON, ENTR, HTM, IT, MGMT, OLS, or POL
- 12 consecutive credit hours in a Foreign Language

Globalization

Due to the international nature of the aviation industry, all B.S. degree students must meet the department's globalization requirement through one of the following options:

- Complete any university-sponsored study abroad program lasting at least 7 days
- Complete an internship or approved international research project that involves at least 7 days of international travel
- Provide documentation of having lived/traveled outside the U.S. for at least 15 days after a student's 12th birthday.
- Complete or place out of the Level IV (12 credit hours) course in any 1 foreign language.

Revised June 4, 2013