

Departmental/Program Major Courses (111 credits)

Required Major Courses (59 credits)

_____	(1)	AT 10000	Introduction to Aviation Technology
_____	(3)	AT 10200	Aviation Business
_____	(3)	AT 10300	Aerospace Vehicle Propulsion and Tracking Systems
_____	(3)	AT 10600	Basic Aircraft Science
_____	(4)	AT 14400	Private Pilot Lectures
_____	(3)	AT 20200	Aerospace Vehicle Systems Design, Analysis and Operations
_____	(3)	AT 20300	Aviation Operations Management
_____	(3)	AT 49800	AT Capstone
_____	(3)	AT 25200	Aviation Projects
_____	(3)	AT 34001	Aerospace Business Statistics
_____	(3)	AT 36201	Aviation Operations
_____	(3)	AT 41200	Aviation Finance
_____	(3)	AT 42101	Managerial Economics in Aviation
_____	(3)	AT 42201	Aerospace Risk Management
_____	(3)	AT 47500	Aviation Law
_____	(3)	AT 48100	Aviation Safety Problems
_____	(3)	MGMT 20000	Introduction to Accounting
_____	(3)	MGMT 20100	Management Accounting I
_____	(3)	MGMT 30400	Introduction to Financial Management
_____	(3)		Aviation Management Selectives
_____	(0)		Globalization

Other Departmental /Program Course Requirements (52 credits)

_____	(3)	Humanities Foundational Selective (<i>satisfies Human Cultures Humanities for core</i>)
_____	(3)	Behavioral/Social Science Foundational Selective (<i>satisfies Human Culture Behavioral/Social Science for core</i>)
_____	(3)	TECH 12000 (<i>satisfies Information Literacy Selective for core</i>)
_____	(4)	PHYS 21800 (<i>satisfies Science Selective for core</i>)
_____	(3)	Science Foundational Selective (<i>satisfies Science Selective for core</i>)
_____	(3)	ENGL 10600 or ENGL 10800 (<i>satisfies Written Communication for core</i>)
_____	(3)	COM 11400 (<i>satisfies Oral Communication for core</i>)
_____	(3)	MA 15800 (<i>satisfies Quantitative Reasoning Selective for core</i>)
_____	(3)	MA 22100 or MA 16010 (<i>satisfies Quantitative Reasoning Selective for core</i>)
_____	(3)	Economics Selective
_____	(3)	Advanced English Selective
_____	(3)	Technical Communications Selective
_____	(3)	STAT 30100
_____	(12)	Any University-approved minor or departmentally-approved thematic area of study

Electives (9 credits)

_____	(9)	Free Electives	_____ () _____	_____ () _____	_____ () _____
_____	()		_____ () _____	_____ () _____	_____ () _____

University Core Requirements

Human Cultures Humanities	<input type="checkbox"/>	<u>UCC Selective</u>	Science, Technology & Society Selective	<input type="checkbox"/>	<u>TECH 12000</u>
Human Cultures Behavioral/Social Science	<input type="checkbox"/>	<u>UCC Selective</u>	Written Communication	<input type="checkbox"/>	<u>ENGL 10600 / 10800</u>
Information Literacy	<input type="checkbox"/>	<u>TECH 12000</u>	Oral Communication	<input type="checkbox"/>	<u>COM 11400</u>
Science Selective	<input type="checkbox"/>	<u>PHYS 21800</u>	Quantitative Reasoning	<input type="checkbox"/>	<u>MA 15800</u>
Science Selective	<input type="checkbox"/>	<u>UCC Selective</u>	Quantitative Reasoning	<input type="checkbox"/>	<u>UCC Calculus Selective</u>

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

Degree Works is knowledge source for specific requirements and completion

Purdue policy states that a student may attempt a course no more than three times. An attempt is defined as all courses displayed on a student transcript having grades of (including, but not limited to) A, B, C, D, E, F, W, WF, I and IF.

FIRST SEMESTER	Prerequisite	CR	SECOND SEMESTER	Prerequisite	CR
AT 10000 - Introduction to Aviation Technology		1	AT 10200 - Aviation Business		3
AT 10600 – Basic Aircraft Science		3	AT 10300 - Aerospace Vehicle Propulsion		3
AT 14400 – Private Pilot Lectures		4	TECH 12000 - Design Thinking in Technology		3
MA 15800 – Precalculus		3	PHYS 21800 – General Physics		4
English Composition Selective		3	Calculus Selective		3
Total		14	Total		16

THIRD SEMESTER	Prerequisite	CR	FOURTH SEMESTER	Prerequisite	CR
AT 20300 - Aviation Operations Management	AT 10200	3	AT 20200 - Aerospace Vehicle Systems	AT 10600 or AT 14400	3
AT 25200 – Aviation Projects	AT 10200	3	AT 36201 – Aviation Operations	AT 20300	3
MGMT 20000 – Introductory Accounting		3	MGMT 20100 – Management Accounting I	MGMT 20000	3
COM 11400 - Fundamentals of Speech Communication		3	Economics Selective		3
Humanities Foundational Selective		3	Science Foundational Selective		3
Total		15	Total		15

FIFTH SEMESTER	Prerequisite	CR	SIXTH SEMESTER	Prerequisite	CR
AT 34001 – Aerospace Business Statistics	AT 20300	3	AT 42101 – Managerial Economics in Aviation	AT 20300, (MA 22100 or MA 16010)	3
MGMT 30400		3	AT 47500 - Aviation Law	AT 20300	3
STAT 30100 – Elementary Statistical Methods		3	Thematic Area Selective		3
Thematic Area Selective		3	Advanced English Selective		3
Behavioral / Social Science Selective		3	Free Elective		3
Total		15	Total		15

SEVENTH SEMESTER	Prerequisite	CR	EIGHTH SEMESTER	Prerequisite	CR
AT 41200 – Aviation Finance	MGMT 20100	3	AT 49800 – AT Capstone	Senior Standing	3
AT 48100 – Aviation Safety Problems	AT 20300	3	Thematic Area Selective		3
Aviation Management Selective		3	AT 42201 – Aerospace Risk Management		3
Thematic Area Selective		3	Technical Communication Selective		3
Free Elective		3	Free Elective		3
			Globalization		0
Total		15	Total		15

120 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

**The student is ultimately responsible for knowing and completing all degree requirements.
MyPurduePlan is knowledge source for specific requirements and completion**

AVIATION TECHNOLOGY CURRICULUM DETAILS

Fall 2016

English Composition Selectives

ENGL 10600
ENGL 10800

Advanced English Selectives

ENGL 42000
ENGL 42100

Technical Communication Selectives

COM 31500
COM 32000
COM 32400
COM 32500
COM 41500

Calculus Selectives

MA 16010
MA 16100
MA 16500
MA 22100
MA 22300

Economics Selectives

CSR 34200
ECON 21000
ECON 25100
ECON 25200

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

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

- Any University-approved minor
- 6 credit hours of 20000- or higher-level courses AND 6 credit hours of 30000 or higher-level courses from any of the following departments: AT, AFT, EAS, ECON, ENTR, HTM, IT, MGMT, OLS, or POL
- 12 consecutive credit hours in a Foreign Language

Aviation Management:

Aviation Management selectives may consist of any 30000, 40000, or 50000 level AT prefixed courses. In addition, AFT 35100 and 36100 may be used as AM selectives.

Airport Management

Recommended courses for the Airport Management focus area are AT 35900, AT 45100, and AT 45900.

Airline Management

Recommended courses for the Airline Management focus area are AT 33800 and AT 43800.

Airframe & Powerplant Certificate

AENT students are highly encouraged to enroll in the following courses in order to receive the FAA A&P certificate. These courses can be utilized to meet the Thematic Area graduation requirements.

- AT 36302
- AT 37200
- AT 40200
- AT 47200

Seeking A&P certificate (Please indicate by initialing): Yes _____ No _____

Globalization Requirement

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.

AT Leadership Requirement consists of one of the following options:

- Complete the capstone course in an AABI- or ABET-accredited program.
- Complete an approved internship experience.
- Complete an FAA-issued certification.