

**Departmental/Program Major Courses (109 credits)**

**Required Major Courses (54 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
- \_\_\_\_\_ (3) AT 25200 Aviation Projects
- \_\_\_\_\_ (3) AT 36201 Aviation Operations
- \_\_\_\_\_ (3) AT 47500 Aviation Law
- \_\_\_\_\_ (3) AT 48100 Aviation Safety Problems
- \_\_\_\_\_ (3) MGMT 20000 Introduction to Accounting
- \_\_\_\_\_ (3) MGMT 20100 Management Accounting I
- \_\_\_\_\_ (3) AT 42101 Managerial Economics in Aviation
- \_\_\_\_\_ (3) AT 41200 Aviation Finance
- \_\_\_\_\_ (12) Aviation Management Selectives

**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 (11 credits)**

- \_\_\_\_\_ (11) **Free Electives** \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( )
- \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( ) \_\_\_\_\_ ( )

**University Core Requirements**

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

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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**

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## Aviation Management

FIRST SEMESTER			SECOND SEMESTER		
	Prerequisite	CR		Prerequisite	CR
AT 10100 - Gateway to Aviation Technology		3	AT 10200 - Aviation Business		3
MA 15800 – Precalculus		3	AT 10300 - Aerospace Vehicle Propulsion		3
TECH 12000 - Technology and the Individual		3	COM 11400 - Fundamentals of Speech Communication		3
Humanities Selective		3	Behavioral / Social Science Selective		3
English Composition Selective		3	Calculus Selective		3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

THIRD SEMESTER			FOURTH SEMESTER		
	Prerequisite	CR		Prerequisite	CR
AT 20300 - Aviation Operations Management	AT 10200	3	AT 20200 - Aerospace Vehicle Systems	AT 10100	3
AT 25200 – Aviation Projects	AT 10100	3	AT 36201 – Aviation Operations	AT 20300	3
MGMT 20000 – Introductory Accounting		3	MGMT 20100 – Management Accounting I	MGMT 20000	3
PHYS 21800 – General Physics		4	Economics Selective		3
Free Elective		2	Physical Science Selective		3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

FIFTH SEMESTER			SIXTH SEMESTER		
	Prerequisite	CR		Prerequisite	CR
Aviation Management Selective		3	Free Elective		3
Aviation Management Selective		3	Thematic Area Selective		3
STAT 30100 – Elementary Statistical Methods		3	AT 47500 - Aviation Law	AT 20300	3
Thematic Area Selective		3	AT 42101 – Managerial Economics in Aviation	AT 20300, MA 22100	3
Free Elective		3	Advanced English Selective		3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

SEVENTH SEMESTER			EIGHTH SEMESTER		
	Prerequisite	CR		Prerequisite	CR
AT 48100 – Aviation Safety Problems	AT 20300	3	AT 49800 – AT Capstone	Senior Standing	3
TECH 32000 - Technology and the Organization	TECH 12000	3	Thematic Area Selective		3
Thematic Area Selective		3	Technical Communication Selective		3
AT 41200 – Aviation Finance	MGMT 20010, AT 20300	3	Aviation Management Selective		3
Aviation Management Selective		3	Free Elective		3
			Globalization		0
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

**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: AVIATION MANAGEMENT

## 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

### Aviation Management Selectives:

Any 30000, 40000, or 50000 level AT prefixed courses including, but not limited to:

AT 35900 – Airport Management  
AT 36900 – Air Traffic Control  
AT 38100 – Aviation Security

AT 43800 – Airline Operations  
AT 45100 – Airport Operations  
AT 47900 – Control Tower Operator

### Air Traffic Control

Any student in the Aviation Management major is eligible to complete the FAA CTI program. A detailed explanation of the curriculum is available online at [www.tech.purdue.edu/at](http://www.tech.purdue.edu/at).

Required courses for the Air Traffic Control area of specialization are AT 28500, AT 36900, and AT 47900.

### Airport Management

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

### Airline Management

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

### 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 12<sup>th</sup> birthday.
- Complete or place out of the Level IV (12 credit hours) course in any 1 foreign language.