

**Departmental/Program Major Courses (116 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
_____	(3)	AT 20200	Aerospace Vehicle Systems Design, Analysis and Operations
_____	(3)	AT 20300	Aviation Operations Management
_____	(1)	AT 49600	Applied Research Proposal
_____	(3)	AT 49700	Applied Research Project
_____	(3)	AT 20802	Aircraft Materials
_____	(3)	AT 26502	Aircraft Electrical Systems
_____	(3)	AT 26700	Fixed & Rotary Wing Assemblies
_____	(3)	AT 27200	Introduction to Composite Technology
_____	(3)	AT 27800	Nondestructive Testing for Aircraft
_____	(3)	AT 30702	Advanced Aircraft Systems
_____	(3)	AT 30802	Aircraft Materials Processes
_____	(3)	AT 33502	Avionics Systems
_____	(3)	AT 37002	Aircraft Powerplant Technology
_____	(3)	AT 37600	Aircraft Gas Turbine Engine Technology
_____	(3)	AT 38500	Design Support Analysis
_____	(3)	AT 44502	Aircraft Electronics
_____	(3)	AT 47600	Aircraft Gas Turbine Engine Technology II

**Other Departmental /Program Course Requirements (57 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 ( <i>satisfies Quantitative Reasoning Selective for core</i> )
_____	(3)	Economics Selective
_____	(3)	Advanced English Selective
_____	(3)	Technical Communications Selective
_____	(3)	STAT 30100
_____	(3)	AT 20501
_____	(2)	CGT 16300
_____	(12)	Any University-approved minor or departmentally-approved thematic area of study

**Electives (4 credits)**

_____	(4)	<b>Free Electives</b>	_____ ( ) _____	_____ ( ) _____	_____ ( ) _____
_____	( )	_____	_____ ( ) _____	_____ ( ) _____	_____ ( ) _____

**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

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.

**Aeronautical Engineering Technology (201510)**

<b>FIRST SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>	<b>SECOND SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>
AT 10000 - Introduction to Aviation Technology		1	AT 20802 – Aircraft Materials	AT 10600	3
AT 10200 - Aviation Business		3	CGT 16300 – Graphical Comm. & Spatial Anal.		2
AT 10600 – Basic Aircraft Science		3	COM 11400 - Fundamentals of Speech Communication		3
TECH 12000 - Technology and the Individual		3	Humanities Foundational Selective		3
MA 15800 – Precalculus		3	Calculus Selective		3
English Composition Selective		3			
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>14</b>

<b>THIRD SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>	<b>FOURTH SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>
AT 10300 - Aerospace Vehicle Propulsion and Tracking Systems		3	AT 20501 – Statics for Aerostructures	AT 10100 or AT 10600, CGT 16300, MA 22100	3
AT 20200 - Aerospace Vehicle Systems	AT 10600 or AT 14400	3	AT 26502 – Aircraft Electrical Systems	AT 20200	3
AT 20300 - Aviation Operations Management	AT 10200	3	AT 27800 - Nondestructive Testing for Aircraft		3
AT 26700 - Fixed And Rotary Wing Assemblies	AT 10100 or AT 10600	3	PHYS 21800 – General Physics		4
AT 27200 – Introduction to Composite Technology	CGT 16300	3	Free Elective		2
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

<b>FIFTH SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>	<b>SIXTH SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>
AT 30702 - Advanced Aircraft Systems	AT 20200	3	AT 30802 - Aircraft Materials Processes	AT 20100 or AT 20501, MA 22100, PHYS 21800	3
STAT 30100 - Elementary Statistical Methods		3	AT 33502 - Avionics Systems	AT 20200 or AT 26502	3
Thematic Area Selective (AT 36302 for A&P)		3	AT 37600 - Aircraft Gas Turbine Engine Technology I	AT 10300	3
Behavioral/Social Science Found. Selective		3	AT 38500 – Design Support Analysis	STAT 30100	3
Science Foundational Selective		3	Advanced English Selective		3
<b>Total</b>		<b>15</b>	<b>Total</b>		<b>15</b>

<b>SEVENTH SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>	<b>EIGHTH SEMESTER</b>	<b>Prerequisite</b>	<b>CR</b>
AT 37002 - Advanced Aircraft Powerplants	AT 10300	3	AT 49700 - Applied Research Project	AT 30802, AT 49600	3
AT 44502 - Aircraft Electronics	AT 33502	3	Thematic Area Selective (AT 37200 for A&P)		3
AT 47600 - Aircraft Gas Turbine Engine Tech. II	AT 37600	3	Thematic Area Selective (AT 40200 for A&P)		3
AT 49600 - Applied Research Proposal	AT 20100 or AT 20501, STAT 30100	1	Thematic Area Selective (AT 47200 for A&P)		3
Economics Selective		3	Technical Communication Selective		3
Free Elective		2	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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