

*Academic Pathway*

**Aviation Maintenance Technology**

Associate of Applied Science

**Academic & Career Pathway: Aviation Maintenance Technology**

Student:

Advisor:

<b>Course/Semester (Prefix, Number and Title)</b>	<b>Credits</b>	<b>Fall/Spring Only</b>	<b>Milestone Course</b>	<b>Notes</b>	<b>Completed</b>
<b>Semester 1 First Year Students, Fall AVMT General Courses</b>				<b>Summer semester required in AVMT.</b>	
AVMT 100 Intro to Aviation/Math and Basic Physics	3				
AVMT 105 Basic Electricity	3.5				
AVMT 110 Aircraft Drawings/Weight and Balance	3				
AVMT 115 Materials and Processes/Fluid Lines and Fittings/Cleaning and Corrosion Control	4				
AVMT 120 Ground Operations and Servicing	1.5				
AVMT 125 Maintenance Publications/Forms & Records/Mechanic Privileges & Limitations	3				
AVMT 130 Basic Aerodynamics	3				
M111T Technical Math	3			Recommended to take first fall semester.	
Total Credits	24			Will Require Overload Signature	
<b>Semester 2 First Year Students, Spring AVMT Airframe Courses</b>					
AVMT 135 Assembly and Rigging/Airframe Inspection	4				
AVMT 140 Sheet Metal	4				
AVMT 145 Composites and Plastics	4				
AVMT 150 Wood Structures	2				
AVMT 175 Aircraft Electrical Systems	2.5				
AVMT 187 Aircraft Instruments, Communication and Navigation Systems	2.25				

WRIT 121T Technical Writing	3				
COMX 106 Communicating in a Dynamic Workplace	2			It is ideal for students to take COMX 106 in Semester 2 of the program, but it may be offered at other times.	
Total Credits	23.75			Will Require Overload Signature	
<b>Semester 3 First Year Students, Summer AVMT Airframe Courses</b>					
AVMT 155 Aircraft Coverings and Finishes	2				
AVMT 160 Aircraft Welding	3				
AVMT165 Hydraulic and Pneumatic Systems	3				
AVMT 170 Aircraft Landing Gear, Position and Warning Systems	3				
AVMT 180 Aircraft Fuel Systems/Fire Protection Systems/Ice and Rain Control	3				
AVMT 185 Cabin Atmosphere Control Systems	2.5				
Total Credits	16.5				
<b>Semester 4 Second Year Students, Fall AVMT Powerplant Courses</b>					
AVMT 225 Reciprocating Engine Systems	5.5				
AVMT 230 Reciprocating Engine Overhaul	5.5				
AVMT 240 Engine Instrument Systems	3				
AVMT 250 Engine Fire Protection Systems	2.5				
Total Credits	16.5				
<b>Semester 5 Second Year Students, Spring AVMT Powerplant Courses</b>					
AVMT 235 Turbine Engines and Systems 1	6				
AVMT 237 Turbine Engines and Systems 2	2				
AVMT 245 Engine Electrical Systems/Auxiliary Power Units	3.75				

AVMT 255 Propellers and Unducted Fans	4				
Total Credits	13.75				

***\*Students must earn a C- or better in order to successfully complete a course***