

Academic Pathway

**Powerplant Aviation Maintenance Technology**

Certificate of Applied Science

**Academic & Career Pathway: Powerplant 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>					
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 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				
COMX 106 Communicating in a Dynamic Workplace	2				
WRIT 121T Introduction to Technical Writing	3				
Total Credits	21.5			Will Require Overload Signature	

<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	15.75				

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