

**Certificate of Applied Science – 58.75 credits  
Aviation Technology - Powerplant**

<b>Name:</b>	<b>Date of Entry:</b>	<b>Advisor:</b>
<b>Dual Major With:</b>	<b>Academic Plan Advisor:</b>	
<b>Transferred From:</b>		
<b>Credit Hours Transferred In:</b>	Must complete 1/3 of degree through Helena College	

Course #	Course Title	CR	Pre - Requisites	SEM	Grade	Comments
<b>First Semester ( 19.5 credits)</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				
M111T	Technical Mathematics	3				
<b>Second Semester (20.75 Credits)</b>						
AVMT 235	Turbine Engines and Systems	8				
AVMT 245	Engine Electrical Systems/Auxillary Power Unit	3.75				
AVMT 255	Aircraft Fuel Sys/Fire Protection	4				
COMX 106	Communicating in a Dynamic Workplace	2				
WRIT 121T	Technical Writing	3	WRIT 096 or placement			
<b>Summer Semester (21.75 Credits)</b>						
AVMT 100	Intro to Aviation Maintenance/Mathematics and Basic Physics	3				
AVMT 105	Basic Electricity	3.75				
AVMT 110	Aircraft Drawings/Weight and Balance	3.75				
AVMT 115	Materials and Processes/Fluid Lines and Fittings/Cleaning and Corrosion Control	3.5				
AVMT 120	Ground Operation and Servicing	2				
AVMT 125	Maintenance Publications/Forms & Records/Mechanic Privileges & Limitations	3				
AVMT 130	Basic Aerodynamics	2.75				

\*\* Summer Semester Credits may be taken prior to the first semester or after the second semester but are required for the CAS.