

Certificate of Applied Science Aviation Technology – Powerplant CAS		
Name:	Date of Entry:	Advisor:
Dual Major With:	Academic Plan Advisor:	
Transferred From:		
Credit Hours Transferred In:	Must complete 1/3 of degree through Helena College	

Course #	Course Title	CR	Pre - Requisites	SEM	Grade	Comments
Fall Semester – General						
AVMT 100	Intro to Aviation Maintenance/Mathematics 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 Operation and Servicing	1.5				
AVMT 125	Maintenance Publications/Forms & Records/Mechanic Privileges & Limitations	3				
AVMT 130	Basic Aerodynamics	3				
M111T	Technical Math	3				
	Total Credits	24				Will require overload signature
Second year Spring Semester – Powerplant						
AVMT 235	Turbine Engines and Systems 1	6				
AVMT 237	Turbine Engine and Systems 2	2				
AVMT 245	Engine Electrical Systems/Auxiliary Power Unit	3.75				
AVMT 255	Propellers and Unducted Fans	4				
COMX 106	Communicating in a Dynamic Workplace	2				
WRIT 121T	Technical Writing	3				
	Total Credits	20.75				
Second year Fall Semester - Powerplant						
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				