

**Certificate of Applied Science
Aviation Technology – Airframe 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
First year Fall Semester						
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	20-23*				
First year Spring Semester						
AVMT 135	Assembly & 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	1.75				
AVMT 187	Aircraft Instrument Systems/Comm and Nav Systems	2.25				
WRIT 121T	Technical Writing	3				
	Total Credits	20				
First year Summer Semester						
AVMT 155	Aircraft Covering/Aircraft Finishes	2				
AVMT 160	Aircraft Welding	3				
AVMT 165	Hydraulic and Pneumatic Power Systems	3				
AVMT 170	Aircraft Landing Gear Systems/Position	3				
AVMT 180	Aircraft Fuel Sys/Fire Protection	3				
AVMT 185	Cabin Atmosphere Control Systems	2.25				
COMX 106	Communicating in a Dynamic Workplace	2				
***M111T	Technical Math	3				
	Total Credits	18.25-21.25*				

*** Technical Math can be taken in any semester. * Credit load will require manual override.