

Aviation Maintenance – Technical Certificate

This program is designed for students who intend to become certified aviation mechanics, but do not wish to obtain a college degree at this time. Students who successfully complete this program will be eligible to take the Federal Aviation Administration (FAA) certification exams for Airframe Mechanic, Powerplant Mechanic, or both (A&P). This program is approved by the FAA, which requires that every single required hour of instruction be given to each student. Because of this requirement and the vital importance of mechanical performance, class attendance is an absolute must to remain in good standing in the program. Failure to attend the classes in accordance with instructor established guidelines may result in dismissal from the program. The program is divided into three separate segments: general aviation, airframe, and power plant. The required segments are taken sequentially in an intensive combination of lecture and laboratory learning. Students may be required to attend classes as many as 30 clock hours per week. Consult with your advisor each semester to determine an appropriate schedule. Students must earn a grade of “C” or above in each required course.

General Aviation Requirements:	Credit Hours
AV 15004 Aviation Math & Physics	4
AV 15033 Aircraft Electricity I	3
AV 15143 Aircraft Drawing & Weighing	3
AV 15014 Aircraft Structures I	4
AV 15023 Aviation Fundamentals	3
Total Credit Hours	17

TC Aviation Maintenance			
Minimum Scores Required			
	Math	English	Reading
ACT	11	11	11
Accuplacer	26A	52	33

Airframe Requirements:	
AV 15076 Aircraft Structures II	6
AV 15083 Aircraft Assembly & Rigging	3
AV 15153 Aircraft Welding & Painting	3
AV 15054 Aircraft Electricity II	4
AV 15114 Aircraft Hydraulics & Pneumatics	4
AV 15103 Aircraft Instruments	3
AV 15162 Aircraft Ice & Atmosphere	2
AV 15172 Aircraft Fuel & Fire	2
AV 15183 Airframe Inspection	3
Total Credit Hours	30

Powerplant Requirements:	
AV 25007 Reciprocating Engines	7
AV 25015 Turbine Engines	5
AV 25074 Powerplant Support Systems	4
AV 25084 Powerplant Electrical Systems	4
AV 25023 Aircraft Lubrication & Cooling	3
AV 25093 Propellers	3
AV 25103 Powerplant Inspection	3
Total Credit Hours	29

Total Program Credit Hours	76
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