

AIRFRAME MAINTENANCE TECHNICIAN CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students to qualify for the Airframe Certificate issued by the Federal Aviation Administration (FAA), which enables the holder to perform 100 hours and annual inspections on aircraft ranging from small aircraft used in general aviation to jets utilized by commercial airlines. The written examinations are administered by the FAA at computer testing centers.

Code	Title	Units
Required Courses		
AERO 050	General/Calculations and Basic Electricity Airframe and Powerplant Technologies	5
AERO 050L	General Laboratory/Calculations And Basic Electricity Airframe and Powerplant Technologies	2
AERO 051	General/Materials and Servicing Airframe and Powerplant Technologies	5
AERO 051L	General Laboratory/Materials and Servicing Airframe and Powerplant Technologies	2
AERO 052	Airframe Maintenance - Structures	6
AERO 052L	Airframe Maintenance Laboratory - Structures	5
AERO 053	Airframe Maintenance - Systems and Components	6
AERO 053L	Airframe Maintenance Laboratory - Systems and Components	5
Total Units		36

Code	Title	Units
Recommended Courses		
AERO 015	Nano Composite Technology	2

Students working for certificates must have a basic knowledge of arithmetic, reading and writing in order to learn and work in the occupations they select.

This is a Gainful Employment Program

Program Learning Outcomes

At the completion of this program, students will be able to:

- Apply general calculations and basic electricity of aviation as required by the Federal Aviation Administration (FAA)
- Apply general materials and servicing of aviation as required by the FAA
- Read and Interpret airframe manuals
- Perform required inspections, maintenance, and repairs on aircraft Airframes
- Evaluate and troubleshoot aircraft airframe systems and components
- Evaluate and service aircraft airframe systems
- Assess the serviceability of aircraft airframe parts and components
- Write descriptive and concise discrepancy reports