

# AVIATION MAINTENANCE TECHNICIAN CERTIFICATE OF ACHIEVEMENT

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This certificate is designed to prepare students to qualify for the airframe and powerplant certificates issued by the Federal Aviation Administration (FAA), after passing the FAA testing students are able to work on airliners as well as general aviation. The written examinations are administered by the FAA at computer testing centers.

Code	Title	Units
<b>Required Courses</b>		
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
AERO 054	Powerplant Maintenance - Reciprocating Engine Overhaul	6
AERO 054L	Powerplant Maintenance Laboratory - Reciprocating Engine Overhaul	5
AERO 055	Powerplant Maintenance - Accessory Overhaul	6
AERO 055L	Powerplant Maintenance Laboratory - Accessory Overhaul	5
<b>Total Units</b>		<b>58</b>

*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 aircraft airframe, and powerplant manuals
- Perform required inspections on an aircraft
- Use practical application skills to troubleshoot, service, and repair aircraft airframe and powerplant systems
- Assess the serviceability of aircraft airframe, and powerplant system parts and components
- Write descriptive and concise discrepancy reports