

# AVIATION MAINTENANCE TECHNICIAN ASSOCIATE OF SCIENCE DEGREE

- g. Broaden their possibilities for advancement in their career fields.
- h. Further their education at a four-year university to complete a bachelor degree.

To graduate with a specialization in Aviation Maintenance Technician, students must complete the following requirements with a grade of C or better plus the general breadth requirements for the Associate Degree (minimum total = 60 units). This degree 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.

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>

To earn an SBVC Associate Degree students must complete one of the following general education patterns:

SBVC GE requirements (<https://www.valleycollege.edu/student-services/counseling/graduation-requirements/>)

CSU GE requirements (<https://www.valleycollege.edu/student-services/counseling/csuge/>)

IGETC requirements (<https://www.valleycollege.edu/student-services/counseling/igetc/>)

## Program Learning Outcomes

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

- a. Interpret airframe and powerplant manuals.
- b. Perform required inspections on an aircraft.
- c. Troubleshoot aircraft airframe and powerplant systems.
- d. Service and repair aircraft airframe and powerplant systems.
- e. Assess the serviceability of parts.
- f. Write descriptive discrepancy reports.