

# Aviation Fundamentals

## Plattsburgh



### Program Highlights

- Extensive, hands-on training opportunities on various aircraft and training equipment
- Highly trained and experienced instructors
- Diverse mechanical and technical curriculum

### Career Connections

- Aviation Maintenance
  - Narrow Body Aircraft
  - Wide Body Aircraft
  - General Aviation
- Aviation Manufacturing
- NASCAR and Automotive Industry
- Coach Manufacturing (Bus)
- Train Manufacturing

### NYSED Approved Program



Students in the Aviation Fundamentals program, candidates will receive instruction in General Aviation and Airframe I. While still in high school, technician candidates will receive integrated academic credit. All students will receive extensive hands on, aviation-related learning opportunities throughout the duration of their course of study.

[www.cves.org](http://www.cves.org)



# Aviation Fundamentals

## *Course of Study*



### **General**

- Hangar and Shop Safety
- Human Factors
- Mathematics
- Physics
- Basic Electricity
- Aircraft Drawings
- Weight and Balance
- Fluid Lines and Fittings
- Materials and Processes
- Ground Operation and Service
- Aircraft Cleaning and Corrosion Control
- Maintenance Forms and Records
- Maintenance Publications
- Mechanic Privileges and Limitations
- Emergency Systems

### **Airframe**

- Wood Structures
- Aircraft Covering
- Aircraft Finishes
- Sheet Metal and Non-Metallic Structures
- Welding
- Assembly and Rigging
- Airframe Inspection
- Aircraft Landing Gear Systems

- Hydraulic and Pneumatic Power Systems
- Aircraft Fuel Systems