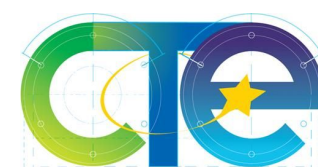




BREVARD PUBLIC SCHOOLS CAREER & TECHNICAL EDUCATION



Aviation Assembly & Fabrication

CERTIFICATES

*Aerospace/Aircraft Assembly
(AAA) certification*

Private Pilot Ground School

PROGRAM HIGHLIGHTS

Here are just some of the skills students will possess after successfully completing the program:

- Program located at Eau Gallie High School.
- Possess an understanding of fundamentals of flight, aircraft safety of flight principles, federal aviation administration regulations, and safety practices in the aviation environment.
- Experience with aircraft communication equipment and aircraft propulsion and associated systems, navigation systems and procedures, flight planning and flight training skills.
- Demonstrate abilities to apply the design process.
- Demonstrate the proper use and maintenance of aviation tools and understanding of basic aviation corrosion control.
- Prepare, analyze, and evaluate technical reports and data.
- Select, configure, calibrate, operate and evaluate precision test equipment.
- Demonstrate knowledge and understanding of basic electricity and electronics.
- Demonstrate a basic knowledge of structural assembly – metallic / composite.
- Demonstrate a basic knowledge of wiring and fiber optics installation, allowance / tolerance and tolerance buildups, hydraulic and pneumatic tubing.
- Demonstrate technical knowledge of computer control as it is related to aviation/aviation projects.
- Experience with aircraft composite materials, sealants and epoxy.
- Knowledge of sheet metal layout, marking, measurements and spacing.


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140
Classroom
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