Central Florida Aerospace Academy

Campus Located at Lakeland Linder Regional Airport

CFAA's Mission:
Through a combination of relevant academic experiences, collaboration with the local aerospace community, and an aviation focus, all students will engage in a rigorous college preparatory program that will maximize the potential for successful careers.

Engineering
Aerospace
Avionics
A & P

The vision of the Central Florida Aerospace Academy is to promote the lifelong process of learning by challenging students with a rigorous curriculum and tailored hands-on experiences with special focus on science, technology, engineering, and math. The Academy will respond to the needs of industry by placing emphasis on teamwork, individual achievement, skill development, creativity, and innovation, as well as critical thinking. As students are prepared to be productive and responsible members of the workforce, the Academy will instill in them an appreciation for professionalism, ethical behavior, and an awareness of global opportunities, while developing self-worth, high expectations, and mutual respect among a diverse population of students and staff.

www.FLYCFAA.com
Aerospace Technology

Students will receive:
- Introduction to the aerospace environment with a focus on flight, navigation, aircraft systems, and design of aircraft and spacecraft
- Basic introduction to aerodynamics, aerospace materials, structures, propulsion, flight mechanics, and stability and control
- Understanding and appreciation of the history of aviation, space flight, and exploration, and the role of the Federal Aviation Administration (FAA) and the National Aeronautics and Space Administration (NASA)
- A strong background in and ability to apply knowledge of mathematics, science, and engineering technology
- An understanding of professional and ethical responsibility
- Opportunities to design and conduct experiments, as well as to analyze and interpret data
- Twelve credits of dual enrollment courses through Polk State College’s Aviation program
- Completion of Private Pilot written exam
- High School Diploma

Avionics

Students will receive:
- An introduction to various career opportunities available in the field of avionics
- An understanding in the basics of troubleshooting, repairing, and installing airborne radio communications, navigation, and radar equipment systems
- Opportunities to explore and gain introductory experience in the latest, cutting edge avionics advancements
- An understanding of professional and ethical responsibility
- Certifications in various aspects of avionics
- High School Diploma

Airframe & Powerplant

Students will receive:
- Hands-on training on how to check, inspect, troubleshoot, and repair aircraft
- Systems based instruction in electrical generation and distribution
- Landing gear and hydraulic systems
- Air-conditioning, pressurization, and other bleed air systems
- Aircraft structures and flight control surfaces
- Aircraft instrument and instrumentation systems
- Introduction to jet engines (gas turbines)
- Introduction to reciprocating engines (piston)

Additonal Activities

- Band, Student Organizations, Clubs and Sports offered at Kathleen High School
- Volunteer Opportunities at Sun ‘n Fun Fly-In
- Sun ‘n Fun Future Eagles Aviation Club & Restoration Club
- Dual Enrollment Courses through Polk State College
- Air Force Auxiliary, Civil Air Patrol
- Air Force JROTC

Scholarships

All qualified CF-FAA students are eligible to receive the Florida Gold Seal Scholarship which may pay a significant percentage of tuition and fees to Florida public and private colleges, universities and career centers. Students may also apply for the James Ray scholarship which pays for 75% of the cost of flight training.

Call for more info:
(863) 413-3620

www.FLYCF-FAA.com

When once you have tasted flight, you will forever walk the earth with your eyes turned skyward, for there you have been, and there you will always long to return.
- Leonardo da Vinci