



Air Force JROTC

Students will receive:

- Introduction in citizenship
- Introduction into civilian, industrial, and military aspects of aerospace
- Leadership skills to meet the greater responsibilities and challenges of those areas
- High School Diploma
- Advanced pay grades in the armed forces and credit toward a senior AFROTC program

Air Force Auxiliary, Civil Air Patrol

Students will receive:

- Flight Instruction for VFR and IFR
- Introduction to Flight Operations and Flight Safety
- Leadership training, Teamwork building, & Physical fitness activities
- Academic scholarships
- High School Diploma

Additional Benefits

- Opportunity to earn college credits toward an A.A. or A.S. degree
- Participation in Sun 'n Fun Future Eagles Aviation Club & Restoration Club
- Volunteer hours toward Bright Futures through Sun 'n Fun Fly-In

In partnership with:



Central Florida Aerospace Academy

Address:

4141 Medulla Road
Lakeland, Florida 33811
(Directly across from the Florida Air Museum)

Website: www.flycfaa.com



Phone: 863-647-4761

Fax: 863-647-4764

E-mail: CFAA@polk-fl.net



Central Florida Aerospace Academy

“Inspiring students to explore and reach new heights in air and space”



“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



The Academy

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.



Admission/Requirements

- Prospective students can apply online at www.flycfaa.com during the open enrollment windows.
- It is highly recommended that students be able to successfully complete Algebra 1 by the end of their 9th grade year.
- Applicants may not have a past history of consistent and serious discipline problems.
- Students must maintain a minimum unweighted 2.5 GPA semester average to remain in the academy.



Engineering Technology

Students will receive:

- Introduction to engineering fundamentals, hands-on experiments, and measurement labs
- Multidisciplinary engineering topics that parallel college courses in test and measurement; sound and vibration; electricity and electronics, control systems; fluid mechanics; materials; thermodynamics
- Individual capstone project or emphasis on applied aerospace engineering project
- High School Diploma
- Certification: Certified Production Technician



Avionics

Students will receive:

- Preparation in careers as avionics technicians
- Skills in troubleshooting, repairing, and installing airborne radio communications, navigation, and radar equipment systems
- High School Diploma
- Certificate in Avionics



Aerospace Technology

Students will receive:

- Introduction to the aerospace environment with a focus on flight, navigation, aircraft systems, and design of both aircraft and spacecraft
- Understanding of the history of aviation, space flight and the role of the FAA and NASA
- High School Diploma
- Completion of Private Pilot written exam

Airframe & Powerplant Maintenance

Students will receive hands-on training on how to check, inspect, troubleshoot, and repair aircraft. Particular instruction includes:

- Electrical generation & distribution
- Landing gear and hydraulic systems
- Air-conditioning, pressurization, and other bleed air systems
- Aircraft structures and flight control surfaces
- Aircraft instrument & instrumentation
- Jet engines (gas turbines)
- Reciprocating engines (piston)

FIRST Robotics (FRC)

Students get to:

- Learn from professional engineers.
- Build and compete with a robot of your own design
- Learn to use and integrate hardware and software
- Be exposed to design, project management, programming, teamwork, strategic thinking, and Coopertition.
- Earn a place in FIRST Championship.
- Qualify for nearly \$15 million in college scholarships

