OUR VISION

Students at Frank H. Peterson Academies of Technology graduate with an appreciation for life-long learning, prepared to enter the workforce and pursue higher education.

OUR MISSION

Frank H. Peterson Academies of Technology is a safe and orderly learning community. Peterson offers high quality academic programs and a career-centered education, while supporting the development of students' work ethic, self-esteem, respect, tolerance, and a sense of personal responsibility. The school provides a strong foundation that helps students become lifelong learners and productive citizens in the 21st century.

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FRANK H. PETERSON

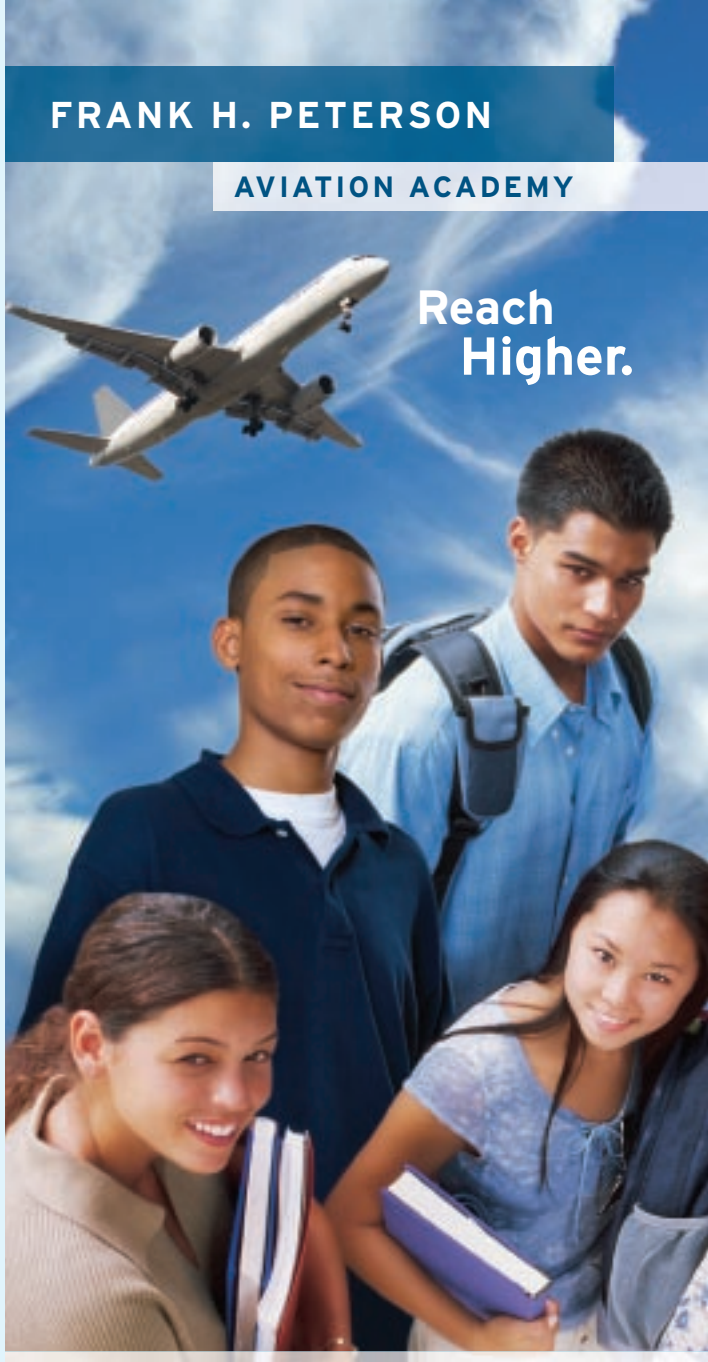
ACADEMIES OF TECHNOLOGY
AVIATION ACADEMY

7450 Wilson Boulevard
Jacksonville, Florida 32210-3596
Phone: (904) 573-1150

www.duvalschools.org/fhp

FRANK H. PETERSON

AVIATION ACADEMY



FRANK H. PETERSON

MAGNET PROGRAMS
Duval County Public Schools Choice

career ACADEMIES
Aviation

PREPARING FOR AN AVIATION CAREER

Preparing for an aviation career is very demanding and requires discipline. Students at Frank H. Peterson start with a solid foundation of aviation basics, and move on to specialized areas of the field including Air Traffic Controller, Pilot Technology and Operations.

Students in the aviation program who complete Private Pilot Ground School can earn industry certification after passing the FAA knowledge test for private pilot.

Juniors and seniors can earn twelve hours of academic college credit from Florida State College at Jacksonville toward an Associate of Science degree in Operations (Air Traffic Controller), Pilot Technology, or Aviation Maintenance Technology.

To learn more about Aviation, call (904) 573-1150 or visit our web site at www.duvalschools.org/fhp.

AEROSPACE TECHNOLOGY COURSE SELECTION

Aerospace Technology I 8600580
Aerospace the Challenge is a required course for every Aviation Academy student. It is an introduction to Aviation History, Basic Aerodynamics, Principles of Flight, Weather, Federal Regulations and Communications.

Aerospace Technology II 8600680
Introduction to Aerospace Maintenance introduces the students to the basic requirements in the field of aviation to become an Aviation Maintenance Technician. Subjects include basic measurements, introduction to the use of tools, model building, aircraft tire safety and aircraft structures.

Air Traffic Control
Frank H. Peterson Academies of Technology was chosen by Florida State College at Jacksonville to participate in a dual enrollment program as part of its FAA-approved Air Traffic Control program. Students learn on state-of-the-art air traffic control simulators in a special on-site lab. Students who choose to enroll in this program earn twelve hours of free college credit toward an Associate Science Degree in Airport Operations. This credit may also be transferable to other colleges as electives.

ATT 1810 Environment of Air Traffic Controllers (3 Credit Hours)
This course is designed for both students of aviation and the student interested in pursuing a career as an Air Traffic Controller, and provides a better understanding of the Air Traffic Controller's mission and working environment. This course presents a candid view of the Air Traffic Controller's language, tools and profession.

ASC Aviation Weather (3 Credit Hours)
This introductory level course acquaints the aviation student with the fundamentals of the Earth's atmosphere, current theories on meteorology, and the effects of weather on aircraft and air traffic control. Particular emphasis will be given to the acquisition and interpretation of weather reports and forecasts from various weather information sources. Aviation Weather is specifically designed for the aviation student wishing to improve their knowledge and understanding of aviation weather (both theory and services) beyond that necessary for any of the FAA Computer-Based Pilot Knowledge tests.

ASC 1010 History of Air Transportation/ National Air Space System (3 Credit Hours)
This introductory level course presents a chronological history of man's quest for flight starting with early attempts of man-powered heavier-than-air flight, progressing through lighter-than-air flight, un-powered flight, external combustion-powered flight, and finally, internal combustion-powered flight. Both manned and unmanned flight will be considered. Particular emphasis will be given to problems of weight, power and control of aircraft in flight. This course will also provide an overview of the evolution of regulations, airspace allocation, security issues, the Air Traffic Control systems, safety of flight, accident analysis, developments in navigation, as well as the economic, social and political impacts of flight.

ATT 1100 Private Pilot Ground School (3 Credit Hours and National Certification)
This introductory level course provides the classroom instruction in preparation for initial flight training, and the FAA Private Pilot-Airplane Computer-Based Knowledge Test. Topics include the science of flight, airplane systems and instruments, weight and balance, aircraft performance, meteorology, physiology of flight, basic navigation techniques, radio navigation, the Air Traffic Control system, radio communications, the Aeronautical Information Manual, and the Federal Aviation Regulations. The FAA Private Pilot-Airplane Computer-Based Knowledge Test will be offered as an option in lieu of the course final exam immediately following the course.

Additional Courses include:
Advanced Air Navigation, Aviation History, Federal Air Regulations, FAA Aviation Physiology and Crash Survival

Aviation Maintenance Courses
Aviation Maintenance Technology 8715110, 8715120, 8715130, are available through Florida State College at Jacksonville under a separate dual enrollment agreement.

PROGRAM REQUIREMENTS

FAA regulation requires that all Flight and Air Traffic Control students meet certain medical requirements. For more information please review Federal Aviation Regulation Part 76.201.

Additionally, in order to conform to FAA and ICAO Language requirements, Pilots and Air Traffic Control students must be able to speak and communicate fluently in English.