

OBAP PHILADELPHIA ACE ACADEMY 2023



DATE: JUNE 19TH – 23RD



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About the OBAP Philadelphia ACE Academy

The Organization of Black Aerospace Professionals ACE Academy is a nationally recognized program co-sponsored by the Federal Aviation Administration. (FAA) and the National Black Coalition of Federal Aviation Employees (NBCFAE).

The purpose of Aviation Career Education (ACE) is to offer first level exposure to the aviation industry by providing aviation career exploration for middle and high school students. Academy participants learn about aviation history, theory of flight, and other aviation related subjects. Students will have the opportunity to go on field trips to aviation facilities, museums and participate in other hands-on activities designed to give students a total aviation experience.

Overview

The Philadelphia ACE program is designed to expose youth to the wide variety of career opportunities in aviation. The goal is to provide an opportunity for students to receive hands-on experience of learning about the history of aviation, contributions made by minorities in aviation, fundamentals of aerodynamics, the role of government in aviation, and the many careers available in the aviation industry. It is also designed to help students understand the importance of education and how it relates to various aviation and aerospace careers. Students will also experience the joy of flight by flying in the right seat of an aircraft.

Students will meet Aviation Professionals and participate in field trips to a variety of aviation facilities and educational institutions.

Activities

As a member of Philadelphia ACE Academy, you will:

- Take an orientation flight in a Cessna or Piper aircraft
- Receive introductory aviation education
- Take field trips to different aviation-related facilities
- Be introduced to aviation history
- Fly a full-motion flight simulator, when available
- Learn the qualities of leadership

- Associate and work with other youth
- Meet professionals from the aviation community
- Operate unmanned aerial systems and remote-control vehicles, when available

Admission Requirements

Admission is offered to boys and girls from 13 to 18 years old who have an interest in learning about aviation and aerospace. Students must be physically capable of participating in all activities.

- High standards of behavior and self-discipline are expected, and students must abide by all academy regulations.
- Parents or guardians must attend an orientation before programs begin.

Location

Community College of Philadelphia
1700 Spring Garden St
Philadelphia, PA 19130

Contact Information

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Date	Time	Activity
Thursday June 15 th	1800 – 1900	Parent/Guardian Brief
Monday June 19 th	0800 – 0845	Welcome/General Safety Briefing/Meet the Team Introduction/Ice Breaker Exercise
	0845 – 0900	Break
	0900 – 0945	Tour of Community College of Philadelphia
	0945 – 1000	Break
	1000 – 1100	Lesson: History of Flight & Pioneers in Aviation Lesson
	1100 – 1200	Lunch
	1200 – 1300	Lesson: Aerodynamics and Principles of Flight
	1300 – 1315	Break
	1315 – 1400	Lesson: Aircraft Structure & Components
	1400 – 1415	Break
	1415 – 1500	Lesson: Unmanned Aerial Systems (uAS/Drones)
	1500 – 1515	Break
	1515 - 1600	Daily Wrap-up and Dismissal

Date	Time	Activity
Tuesday June 20 th	0800 – 0815	Daily Review
	0815 – 0915	Lesson: Aircraft Flight Instruments
	0915 – 0930	Break (Play “How Air Traffic Control Works” video)
	0930 – 1030	Aviation Weather
	1030 – 1045	Break
	1045 – 1200	Phonetic Alphabet/ FAA Signage and Airport Markings
	1200 – 1300	Lunch
	1300 – 1400	Intro into the World of Engineers
	1400 – 1415	Break
	1415 - 1515	Engineering Cont.
	1515 – 1530	Break
	1530 - 1600	Daily Wrap-up and Dismissal
Date	Time	Activity
Wednesday June 21 st	0800 – 0815	Daily Review
	0815 – 1000	Travel to the Boeing Facility

	1000 - 1200	Boeing Facility Tour
	1200 - 1240	Lunch
	1240 - 1300	Travel to the Philadelphia Airport
	1300 - 1530	Philadelphia Airport Tour
	1530 – 1600	Return Transportation to Community College of Philadelphia

Thursday June 22nd	0800 – 0815	Daily Review
	0815 – 0900	Your Whole Self (Character Building)
	0900- 0915	Break
	0915 – 1130	College Admissions Seminar
	1130 – 1230	Lunch
	1230 – 1330	Scholarship Writing Seminar
	1330 – 1345	Break
	1345 - 1545	Part 107 Test Review
	1545 - 1600	Daily Wrap-up and Dismissal

Date	Time	Activity
Friday June 23 rd	0745 – 0800	Daily Review
	0800 – 0830	Transportation to KPNE
	0830 – 0900	Facility Tour and Safety Briefing
	0900 - 1100	Group 1: Flights Group 2: Flights Aircraft Static Display
	1100 – 1200	Lunch
	1200 - 1500	Group 3: Flights Group 4: Flights Group 5: Flights
	1500 - 1600	Graduation

Important Notes

Student Drop-off and Pickup. Students will need to be dropped-off and picked-up daily at the [Community College of Philadelphia](#). Please see the address below.

1700 Spring Garden St
Philadelphia, PA 19130

Graduation Ceremony

A graduation ceremony will be held on Friday, June 23rd at the Northeast Philadelphia Airport 3:00 pm. Parents & Guardians, you are welcome to attend the ceremony.