

Hellenic Aviation Summer School



SUMMER 2025 - ATHENS

Module II: Flight Operations

Description:

The **Hellenic Aviation Summer School** is structured as a STEAM (Science Technology Engineering, Arts, Math) academic offering that aims to inspire, engage and educate high school students ages 13-17, in science and technology through applied knowledge of aviation. The program utilizes a series of hands-on, inquiry-based activities delivered through classroom and practicum modalities. These activities encompass applied knowledge of seven key areas within aviation: aerodynamics, aircraft design and systems; flight operations; air traffic management; airport operations; history; and careers. The program is offered by Athens International Airport, Fraport Greece, New England Aeronautical Institute, Metropolitan College and Global Aviation SA with the aegis of the Hellenic Civil Aviation Authority on the following dates: 23-27 June 2025 (Athens at Hellenic Civil Aviation Authority headquarters and Eleftherios Venizelos international airport), 30 June - 4 July 2025 (Thessaloniki at Makedonia international airport), 3 July 2025 (Rhodes at Diagoras international airport), 4 July 2025 (Chania at I. Daskalogiannis international airport), and 30 June - 2 July (Larissa at Hellenic Tactical Air Force Command headquarters).

Module Description - Flight Operations:

This module has as a prerequisite the module on Fundamentals of Aviation and building on the knowledge already gained on the fundamentals of air transportation operations students explore all elements necessary toward the safe and efficient planning of a flight including, aircraft mass and balance, navigation, performance, and weather. At the conclusion of the course students will be able to compose a basic flight plan.

Practical Information:

Language of Instruction: Greek.

Tuition: Free of charge. Certificate of Completion at graduation.

Dates: 24 - 27 June 2025.

Times: 11 am to 5 pm on a typical day or as indicated. Lunch is provided.

Venue: Eleftherios Venizelos international airport and practicum sites: Athens International Airport, Polytechnic University of Athens, Athens Air Traffic Control Center, and Megara General Aviation Airport.

Academic Credit: Three hours of academic credit upon request, through the New England Aeronautical Institute (New Hampshire, USA) at a charge of Euro 300.

ΤΟ ΠΡΟΓΡΑΜΜΑ ΠΡΟΣΦΕΡΕΤΑΙ



ΥΠΟ ΤΗΝ ΑΙΓΙΔΑ





ITINERARY: ATHENS

Day 1:

Introduction to Flight Planning - 24 June 2025

- 11:00 am:** Gathering at Sofitel, Athens International Airport and Registration.
- 11:15 am:** Welcome and Orientation to the Hellenic Aviation Summer School, Module 2.
- 11:30 am:** Lecture on Aviation Weather.
- 02:00 pm:** Break for Lunch (provided).
- 02:30 pm:** Lecture on Aircraft Performance.
- 05:00 pm:** End of Academic Day.

Day 2:

Flight Performance Practicum at Athens Polytechnic University and Aircraft Navigation Practicum at Athens Air Traffic Management Center - 25 June 2025

- 11:00 am:** Gathering at Sofitel, Athens International Airport and briefing on the Plan for the Day.
- 11:15 am:** Departure for Athens Polytechnic University via private bus.
- 11:45 am:** Arrival at Athens Polytechnic University, welcome by university staff and guided tour on aerodynamics laboratories and wind tunnel.
- 01:30 pm:** Departure for Athens Air Traffic Control Center.
- 02:00 pm:** Arrival at Athens Air Traffic Control Center and Break for Lunch (provided).
- 02:30 pm:** Visit and guided tour of Athens Air Traffic control center.
- 04:00 pm:** Return to Downtown Athens.
- 05:00 pm:** End of Academic Day.

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ΥΠΟ ΤΗΝ ΑΙΓΙΔΑ



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Day 3:

Aircraft Navigation and Mass and Balance - 26 June 2025

11:00 am: Gathering at Sofitel, Athens International Airport.

11:30 am: Lecture on Aircraft Navigation.

02:00 pm: Break for Lunch (provided).

02:30 pm: Lecture on Aircraft Mass and Balance.

05:00 pm: End of Academic Day.

Day 4:

Flight Planning Practicum at Athens International Airport hosted by Global Aviation and Graduation - 27 June 2025

11:00 am: Gathering at Sofitel, Athens International Airport.

11:15 am: Practical training on flight planning.

01:30 pm: Presentation of flight plans.

02:30 pm: Lunch, Conclusions and Graduation.

04:15 pm: End of Academic Day.

ΤΟ ΠΡΟΓΡΑΜΜΑ ΠΡΟΣΦΕΡΕΤΑΙ



ΥΠΟ ΤΗΝ ΑΙΓΙΔΑ

