

Hellenic Aviation Summer School



SUMMER 2025 - THESSALONIKI

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 Air Transportation and building on the knowledge already gained on the fundamentals of the air transportation system students explore all elements necessary toward the safe and efficient planning of a flight including, aircraft mass and balance, navigation, aircraft performance, and aviation 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.

Dates: 03 - 04 July 2025.

Times: 10 am to 4 pm on a typical day or as indicated. Lunch is provided.

Venue: Main Terminal at Makedonia International Airport (initial meeting place: Starbucks, Departures, External Area, T1).

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: THESSALONIKI

Day 1:

Introduction to Flight Planning - 03 July 2025

- 10:00 am:** Gathering at Starbucks (Departures, External Area, TI).
- 10:15 am:** Escorting of students by Fraport staff to the classroom.
- 10:30 am:** Lecture on Aviation Weather.
- 01:00 pm:** Break for Lunch (provided).
- 01:30 pm:** Lecture on Aircraft Performance.
- 04:00 pm:** End of Academic Day.

Day 2:

Aircraft Navigation and Mass and Balance - 04 July 2025

- 10:00 am:** Gathering at Starbucks (Departures, External Area, TI).
- 10:15 am:** Escorting of students by Fraport staff to the classroom.
- 10:30 am:** Lecture on Aircraft Navigation.
- 01:00 pm:** Break for Lunch (provided).
- 01:30 pm:** Lecture on Aircraft Mass and Balance.
- 04:00 pm:** Conclusions, Graduation, and End of Academic Day.

ΤΟ ΠΡΟΓΡΑΜΜΑ ΠΡΟΣΦΕΡΕΤΑΙ



ΥΠΟ ΤΗΝ ΑΙΓΙΔΑ

