

# Hellenic Aviation Summer School



## SUMMER 2025 - LARISSA

### 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, flight dynamics, 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:** 30 June - 01 July 2025.

**Times:** 10 am to 4 pm. Lunch is provided.

**Venue:** Metropolitan College, Larissa Campus (6th Km Highway Larissas - Nikaïas).

**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: LARISSA

### Day 1:

#### Introduction to Flight Planning - 30 June 2025

- 10:00 am:** Gathering at Metropolitan College, Larissa Campus (6th Km Highway Larissas - Nikaias) and orientation to the Flight Operations module.
- 10:15 am:** Lecture on Flight Dynamics.
- 12:45 pm:** Break for Lunch (provided).
- 01:30 pm:** Lecture on Aviation Weather.
- 04:00 pm:** End of Academic Day.

### Day 2:

#### Aircraft Navigation and Mass and Balance - 01 July 2025

- 10:00 am:** Gathering at Metropolitan College, Larissa Campus (6th Km Highway Larissas - Nikaias).
- 10:15 am:** Lecture on Aircraft Navigation.
- 12:45 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

