



A4AVI005C

[\(Token- required\)](#)

[**Gifted Programme**]

Aviation Course (Level IV)

**Mastering the Skies,
Unlocking the Power of Take-off
(Phase II)**

**The Hong Kong International Aviation Academy (HKIAA)
Introduction in Aircraft Engineering and Air Traffic
Management**



**Application Deadline
16 Apr 2024 12:00 noon**

**Result Release
18 Apr 2024**

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. acquire knowledge and essential skills required of air traffic control;
2. understand the Air Traffic Control communication via simulated demonstration;
3. understand the basic aircraft structure, theory of flight, safety principles and their importance for the aviation industry;
4. enhance personal skills such as communication skills and critical thinking skills.

◆ Introduction

Course Introduction

This course provides participants with fundamental aviation knowledge, in particular, Aircraft Engineering and Air Traffic Management through lectures, class activities and visits at the airport.

The course consists of Three phases. The selection is based on students' performance in the final assessment at the end of the programme. The tentative schedule are as below for reference.

Phase 3: July 2024 (Tentative)

◆ Schedule (Phase II)

	Session	Date	Time	Venue
1	Lecture	11 May (Sat)	09:00am – 1:00pm	1HKIAA
2	Site Visit		2:00pm – 6:00pm	
3	Lecture	18 May (Sat)	09:00am – 1:00pm	
4	Simulator Demonstration		2:00pm – 6:00pm	
5	Lecture	25 May (Sat)	09:00am – 1:00pm	
6	Site Visit		2:00pm – 6:00pm	

¹ Address: Hong Kong International Aviation Academy

9/F, HKIA Community Building, 13 Cheong Tat Road, Hong Kong International Airport

◆ Content of this Module

Day 1 (11 May) :

- Aircraft Engineering Systems and Principles
- Overview of the Aircraft Systems
- Site Visit

Day 2 (18 May) :

- Concepts of Air Traffic Management
- Air Traffic Control Simulator Demonstration

Day 3 (25 May) :

- Basic Air Traffic Control Operations
- Site Visit

◆ Medium of Instruction

English

◆ Target Participants

S1 – S6 HKAGE student members in 2023/24 school year

- * Priority will be given to:
 - students who have completed the Phase I (A4AVI004C) with satisfactory performance
 - and students who have completed the 3-phases aviation programme (A3AVI001C – 003C) with satisfactory performance
- Class size: 20

◆ Certificate

E-Certificate will be awarded to participants who have:

- Fulfilled 80% attendance of the programme; AND
- Completed all the assignments with satisfactory performance