A3AVI002C
(Token- required)

Aviation Course (Level III)

Flying High, Flying Far (Phase II)

The Hong Kong International Aviation Academy (HKIAA)
Introduction in Aircraft Engineering and Maintenance

Application Deadline
5 May 2023 12:00 noon

Result Release
9 May 2023

Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. Describe the components of aircraft systems and engineering principles;

2. Explain the tasks in aircraft engineering and aircraft turnaround operations;

3. Simulate creativity and problem-solving skills through plane model design and construction.

◆ Introduction

Course Introduction

This course provides participants with fundamental knowledge of the main aircraft systems and engineering principles. Students could familiarize themselves with the aircraft engineering system through site visits and hands-on activities.

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 III: Jul 2023 (Tentative)

◆ Schedule (Phase II) updated as of 5 May 2023

	Session		Date	Time	Venue
1	Site Visit	Aircraft engineering systems and principles	20 May (Sat)	09:00am – 1:00pm 8:45am – 1:00pm	[1]HKIAA
2	Lecture			2:00pm – 6:00pm	
3	Lecture	Aircraft line maintenance	27 May (Sat)	09:00am – 1:00pm	
4	Site Visit			2:00pm – 6:00pm	
5	Lecture	Aircraft design and construction	3 Jun (Sat)	09:00am – 1:00pm	
6	Lecture			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 (20 May) :

- Site Visit
- Aircraft engineering systems and principles
- An overview of the aircraft systems
- Aerodynamics

Day 2 (27 May) :

- Aircraft walk-around maintenance activities
- Site Visit

Day 3 (3 Jun) :

- Aircraft designing and construction
- Plane model design project

◆ Medium of Instruction

English

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least **4** sessions; AND
- Completed all the assignments with satisfactory performance

◆ Target Participants

S1 – S6 HKAGE student members in 2022/23 school year

- * Priority will be given to student members who have participated in phase I (A3AVI001C)
- Class size: 35

◆ Screening

NEW applicant please answer the screening question in the online application form.

*The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of Aviation Operation in the screening question can be enrolled in the programme

◆ Submitted Documents

*New applicant : must submit the below required documents:

- One student's photo with **white** background
- HKID e-copy
- The above documents will only be used to register visitor passes for entry into the restricted area. The personal data of unsuccessful applicants will be disposed of.

◆ Enquiries 📞 3940 0101 ✉ programme@hkage.org.hk