



HKACC UAS Pilot Certificate Program 4th Cohort (2019)

1. Introduction

Eligible prospective candidates are now invited to apply for the HKACC UAS Pilot Certificate Program (“the Program”) 4th Cohort from the date of this notice until 18th February 2019.

Background

Firstly introduced in 2016, the HKACC UAS Pilot Certificate Program is organized by the Technical & Operations Support Wing (“TOS Wg”) of the Hong Kong Air Cadet Corps (“HKACC”). The Program provides a comprehensive ground theory and practical training for UAS operations on a non-profit making basis.

2. Eligibility

The program is open to HKACC Senior Members and Cadets Members at the age of 16 or above, and members of supporting organizations (listed below) at the age of 21 or above: -

- (i) Department of Mechanical Engineering, the University of Hong Kong;
- (ii) Hong Kong Aviation Club;
- (iii) Hong Kong Institution of Engineers and
- (iv) Hong Kong Institute of Surveyors

3. Program Structure

The program will be divided into two phases (Theory & Indoor Training and Outdoor Training). A tentative course structure is at below: -

Phase	Subject	Sessions Date & Venues
	Compulsory Briefing Session	2nd March 2019 at HKU (TBC)
1	Comprehensive Lectures (Ground Theory)	The training sessions will be conducted intensively on weekdays &/or weekends in 4 consecutive months starting March 2019, details will be announced at the Compulsory Briefing Session
	UAS Flight Simulation	
	UAS Construction and Ground theory exam	
	Indoor flight practice	
Indoor Practical Exam		
2	Outdoor flight practice	
	Outdoor Practical Exam	

4. Venue

Hong Kong Aviation Club and The University of Hong Kong. (*subject to change with prior notice*)

5. Class Size

Approximately 20 Trainees.

6. Instruction Language

The Program will be conducted in Cantonese supplemented with English. Handouts will be written in English.

7. Dress Code

Smart casual

Sunburnt-mitigating clothes and sun-glasses are necessary for personal protection and well-being during outdoor sessions.

8. Assessment & Certificate

There is a total of three examinations in the Program, namely one ground theory written examination and two practical examinations (i.e. Indoor practical and outdoor practical). A general description of each level can be referred to the following tables. Generally, after passed the beginner level, trainees would receive the training and attend exam for Intermediate Level and then Senior Level. (Trainees who passed Senior Level might apply Coach Level course in future

class). Trainees shall submit the report with training log book for assessment. HKACC Members who have passed the Senior Level might be nominated by TOS Wg to receive the **Bronze Aero-model Pilot Badge** award.

Level	General Description	Passing Marks
Beginner	Able to manipulate a light-UAS (Multicopter) and fly specific path in indoor area.	60%
Junior	Able to manipulate a UAS (Multicopter) and fly specific path with positioning sensors.	60%
Intermediate	Able to manipulate the UAS (Multicopter) and fly specific path without external reference positioning sensors except height sensor, and head free mode.	75%
Senior	Able to manipulate the UAS (Multicopter) and fly complicated paths without external reference positioning sensors (e.g. GNSS, compass), and head free mode.	75%

Remark:

1. The passing mark of written examination is 75% for all levels.
2. An 80% attendance is required

9. Program Fee

HKACC Senior Member (21 of age or above at the application deadline.)	HK\$1,200
HKACC Cadet Member (Below 21 of age at the application deadline.)	HK\$ 800
Supporting Organization*	HK\$1,200

*An associate membership fees of **HK\$30, valid for 1 year**, will be charged in addition to the course fee for **non-HKACC applicants**. (i.e. HK\$1,230 inclusive).

The program fee is used to cover the program costs and non-refundable. **Extra cost for the light-quadcopter for indoor training and other necessary equipment are required** for the program (**Approx. HK\$700**) at candidates' own expenses. (The ordering procedure will be announced after accepted the placing offer.). Candidates should also note an additional charge of HK\$200 for 2nd or subsequent attempts (i.e. re-examinations) for the written and practical examination (if granted).

10. Course Material

Item	Description	Source
1	Handout	Provided
2	Quadcopter for indoor training (approx. size =100mm rotor to rotor)	Trainee need to purchase a recommended quadcopter which fulfill the exam requirement for practice. (The ordering procedure will be announced after accepted the placing offer.)
2	Multicopter for outdoor training (Size = 250 rotor to rotor)	Provided
3	Multicopter for outdoor training (Size ≥ 400 rotor to rotor)	Provided
4	Laptop computer (with window 10 or above) for flight controller setup & flight simulation.	Not provided, trainee should bring their own computer.

11. Application Procedure

The applicant **must** send the completed electronic application form with a recent passport photo to uav.trg.1@gmail.com by **18th February 2019 (Monday)**.

Applications lodged by other communication means, incomplete or late applications will **not** be entertained.

If the applicant accepted the offer, a cheque made payable to "Hong Kong Air Cadet Corps" in the **appropriate program fee** amount (paragraph 9 above refers) should be submitted at the Compulsory Briefing Session which will tentatively be held on 2nd March 2019 (Saturday) from 14:00 to 16:00 hours at the University of Hong Kong (room number to be confirmed).

12. Code of Conduct

All trainees shall observe the Code of Conduct as well as rule & regulation of the Hong Kong Air Cadet Corps. Candidates are also expected to observe additional classroom discipline where appropriate.

13. Program Administration

The HKACC reserves all rights to administer, alter and revise all materials and activities in the program without prior notification and consultation with the trainees.

14. Admission Enquiries

Enquires can be addressed to:

uav.trg.1@gmail.com

Herbert MUI
Flight Lieutenant
Technical Operations & Support Wing
Hong Kong Air Cadet Corps.

1st February 2019