

**Bachelor of  
Engineering (Honours)  
in Aircraft Engineering**  
飛機工程 (榮譽)  
工學士

Year **1** Entry

Self-financed  
ST125104

Year **3** FT Entry

Self-financed  
ST125104



### Programme Highlights

- Provides students with a degree qualification in aircraft engineering so as to fulfil high-quality manpower needs of the aircraft engineering and maintenance industry;
- Equips students with strong engineering knowledge and practical skills in nine particular subject areas: 1. Aircraft Design; 2. Aircraft Maintenance Organisation & Management; 3. Aircraft Maintenance Practices; 4. Aerodynamics; 5. Jet Engine; 6. Avionics; 7. Engineering Materials; 8. Human Factor & Air Legislation; and 9. Safety & Reliability; and
- Prepares students to sit for the Hong Kong Civil Aviation Department (HKCAD) HKAR-66 Cat. B1.1 aircraft maintenance licence examination.



This programme is recognised under the QF (Level 5)  
QR Registration No. : 19/000917/L5  
Registration Validity Period: 01/09/2019 To 31/08/2024

For online application:  
VTC Web-based Admissions System  
[www.vtc.edu.hk/admission](http://www.vtc.edu.hk/admission)



## Industry Endorsement

"Because of our strategic location in the heart of Asia, Hong Kong is one of the busiest aviation hubs in the world (Hong Kong Airport is the world's third busiest for international passenger and first for cargo). The Aircraft Engineering degree programme offered by the Faculty of Science and Technology of THEI is vocationally-oriented and features both theoretical and practical trainings which meet the genuine needs of the industry. The programme is recognised by HKCAD as a HKAR66 Cat. B1.1 Basic Licence Training Course. Graduates from this programme will be professionally competent in the industry."

### Captain

#### CHAN Chi-pui, Michael

MBS, MBB, GMSM, AE

Former Controller, Government Flying Service

The Government of the Hong Kong Special Administration Region

## Core Courses

- Aircraft Maintenance Procedures & Techniques
- Human Factor & Air Legislation
- Aerodynamics & Fluid Dynamics
- Aircraft Maintenance Organisation & Management
- Safety & Reliability
- Aircraft Avionics Systems
- Aircraft Structure & Accessory Systems
- Flight Stability & Automatic Control
- Gas Turbine Engine Design

## Career Prospects

Graduates may pursue in the following careers:

- Aircraft material/parts controllers
- Cadet pilots
- Planning officers
- Non-destructive test inspectors
- Graduate trainees
- Aircraft design engineers
- Aircraft maintenance assistant engineers
- Component maintenance technicians
- Quality assurance officers
- Technical services engineers
- Management trainees

## Professional Recognition

This Programme has been approved by the Hong Kong Civil Aviation Department (HKCAD) as a HKAR66 Cat. B1.1 Basic License Training Course. That means graduates who accumulate around 1,100 hours of aircraft maintenance practical training and pass all the HKAR-66 Cat. B1.1 knowledge examinations and practical assessments are eligible to get the HKAR-147 Certificate of Recognition (CoR). With this CoR, graduates only need 2 years of relevant work experience to apply for the HKAR-66 Cat. B1.1 Aircraft Maintenance Licence.

## Supporting Industrial Partners

(In alphabetical order)

- Cathay Pacific Airways Limited
- China Aircraft Services Limited
- Dah Chong Hong - Dragonair Airport GSE Service Limited
- Dragon General Aviation Group Limited
- Government Flying Service
- Guangzhou Civil Aviation College
- Hong Kong Aircraft Engineering Company Limited
- Pan Asia Pacific Aviation Services Limited

## Work-integrated Learning

Work-integrated Learning (WIL) modules are directed industry attachments that provide powerful learning experiences by integrating theoretical learning with its application in the workplace. Students are required to complete the relevant Work-integrated Learning to be eligible for the award of Bachelor of Engineering (Honours) in Aircraft Engineering.

