



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

YEAR 1 ENTRY
SELF-FINANCING
ST125104

YEAR 3 ENTRY
SELF-FINANCING
ST125104

PROGRAMME HIGHLIGHTS

- Provides students with a degree qualification widely recognised by the aircraft engineering and maintenance industry;
- Emphasises on professional trainings and techniques highly desired by the aviation field;
- Equips students with professional engineering knowledge and practical skills in the following

1. Aircraft Design
2. Aircraft Maintenance Practices
3. Aerodynamics

4. Jet Engine
5. Avionics
6. Engineering Materials

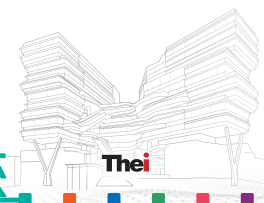
7. Human Factors & Air Legislation
8. Safety & Reliability
9. Aircraft Maintenance Organisation & Management

Professional Recognition

This Programme has been approved by the Hong Kong Civil Aviation Department (HKCAD) as a HKAR-66 Cat. B1 .1 Basic Licence Training Course. 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 award the HKAR-147 Certificate of Recognition (CoR). With this CoR, graduates only need 2 years of relevant work experience to apply the HKAR-66 Cat. B1 .1 Aircraft Maintenance Licence.

APPLYING SCIENCE
EMPOWERING THE FUTURE

應用科學
創建未來





Captain CHAN Chi-pui, Michael

MBS, MBB, GMSM, AE
Former Controller, Government Flying Service
The Government of the Hong Kong Special
Administration Region

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 HKAR-66 Cat. B1.1 Basic Licence Training Course. Graduates from this programme will be professionally competent in the industry."

Core Courses

- Aircraft Maintenance Procedures & Techniques
- Human Factors & 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

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 480 hours of Work-integrated Learning to be eligible for the award of Bachelor of Engineering (Honours) in Aircraft Engineering.

Career Prospects

Graduates may pursue in the following careers:

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