

CHAN Yiu Cho, Winson

Graduate Trainee
Cathay Pacific subsidiaries (CPCS, CPSL,
HAS, VL)



"My study in ATE equipped me with comprehensive knowledge of aviation and engineering knowledge, and consolidate the foundation required for success in the job market. The good reputation of ATE also provides me with great opportunities during and after studies, applying the knowledge learnt from ATE, I received the internship offer from some reputed companies including Airbus China and Hong Kong."

Tamzid Mohammad

Site Engineer
ADB Safegate



"As a Site Engineer I am in charge of overseeing our technical work and working closely with Hong Kong Airport Authority to implement our systems following all ICAO/FAA regulations. PolyU AAE not only provided me with knowledge with regards to aircrafts but also airfields. Courses such as Airport Services Engineering introduced me to the concept of an efficient airport system and operation, this helped me with my role as I was already familiar with many airfield systems. I am grateful to PolyU and AAE for giving me the study opportunity and scholarship."



CHU Ho Sum, Derek

Engineering Trainee, Technical Services
Hong Kong Aircraft Engineering Company Limited

"My current job in the Technical Services Department is to provide technical assistance to the production avionics engineers who perform aircraft maintenance. AAE has enriched me with not only the fundamental knowledge of aviation engineering like mechanics and avionics but has also provided me with hands-on practices in aircraft maintenance skills. These knowledge and skills have prepared me well to demonstrate my abilities and what I have learnt in my career in the aircraft MRO industry."



TANG Yu

Pursuing further studies
ETH Zurich

"In addition to the technical specialty, what AAE has dramatically nurtured me is my personality and social skill. The interactive teaching significantly ameliorated my communication skills while the various team projects effectively imparted leadership and team spirit. Again, the research and work in aviation (and of course many other fields) definitely require massive social interaction. I realize those soft skills that I have acquired during my bachelor study are crucial for my postgraduate study. I can get along well with people from various backgrounds, grasp useful resources, and build up a strong connection network. Both academic resources and social resources make me adapt well to postgraduate study, and will for sure help me pursue a decent career."

Entry requirements

For JUPAS applicants:

Applicants shall satisfy the University's General Entrance Requirements of 4 core and 2 elective subjects with:

- Level 3 in English Language and Chinese Language; and
- Level 2 in Mathematics and Liberal Studies; and
- Level 3 in two elective subjects including Extended Modules of Mathematics(M1/M2)[#].

(*Note: If students have taken both M1 and M2, they will only be considered as one subject and the best grade will be taken into consideration during admission selection.)

Admission Score Calculation Mechanism

Any Best 5 Subjects

The "best" 5 weighted HKDSE subjects will be taken into account (Please visit Study@PolyU website for further details and explanation.)

Subject(s) with the Highest Weighting:

- English Language
- Mathematics
- Extended modules of Mathematics
- Information and Communication Technology
- All single and combined Science: Physics + Chemistry

For Non-JUPAS applicants

We welcome applicants holding the qualifications of HKALE, GCEAL, IB, Associate Degree, Higher Diploma and other non-local qualifications. Please visit Study@PolyU website for details of entrance requirements. For those who are applying on the

basis of other qualifications, applications will also be considered on a case-by-case basis.

For Non-JUPAS applicants

Please visit Study@PolyU website for details of entrance requirements and application schedule.

Enquiries

Application and admission
Email: ar.ug@polyu.edu.hk
Website: www.polyu.edu.hk/study (Study@PolyU)

Programme information

Scheme Leader
Dr K.H. NG
Tel: 3400 8232 Email: kam.kh.ng@polyu.edu.hk

Programme Leader – BEng (Hons) in Aviation Engineering
Dr Xi SHEN
Tel: 3400 2485 Email: xi.shen@polyu.edu.hk

Programme Leader – BEng (Hons) in Air Transport Engineering
Dr Gangyan Xu
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AAE Website



AAE Facebook



AAE Instagram



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



Department of
Aeronautical and Aviation Engineering
航空及民航工程學系

Bachelor of Engineering (Honours) Scheme in AVIATION ENGINEERING 航空工程學(榮譽)工學士組合課程 (JUPAS Programme Code: JS3140)



TWO AWARDS:
BEng (Hons) in Aviation Engineering
—
BEng (Hons) in Air Transport Engineering

The global aviation industry is facing a rapid recovery after the hit from Covid-19. The worldwide demand for qualified engineers for this industry is enormous and imminent. Various forecast reports worldwide have expressed concerns about the serious shortage of licensed engineers after the pandemic to bring the aviation industry back to a "new normal".

Likewise, aviation is an important pillar (under International Trade) of Hong Kong's economy and is an essential element to maintain Hong Kong's status as a major international financial city. The serious shortage of qualified engineers for the aviation industry has become a crucial issue for the recovery and sustainable development of the industry. The 4-year scheme by PolyU is definitely a timely move to address the huge need of the industry.

The Aviation Engineering Scheme aims to train students to become aeronautical and aviation engineers who possess strong skills and in-depth knowledge of engineering and engineering management, as well as a sense of social and environmental responsibility.

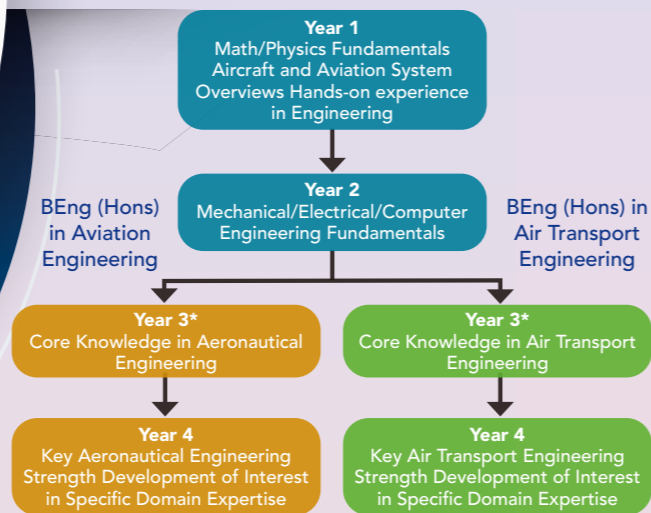
Bachelor of Engineering (Honours) Scheme in AVIATION ENGINEERING

航空工程學(榮譽)工學士組合課程

(JUPAS Programme Code: JS3140)

Students who are admitted to the Scheme study together during the first two years and then pursue their preferred programmes, normally within the next two years, until graduation. The **deferred Choice between BEng (Hons) in Aviation Engineering and BEng (Hons) in Air Transport Engineering** enables students to choose their study path once they have obtained a solid understanding of the programmes during the first two years.

BEng (Hons) Scheme in Aviation Engineering



*Senior Year Intakes are available.



Boeing (US) – Mr. LEE Max Jwo Lem



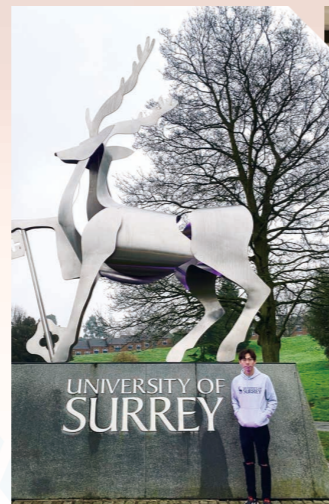
Hong Kong Observatory – Ms TSE Hiu Wing Dorma



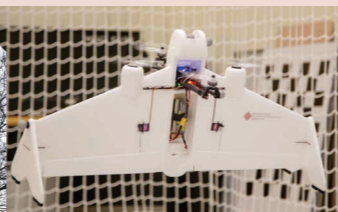
AXIS Summer Internship by HK Express – (from left to right) Mr LUI Shun Hong, Mr KWOK Chun Him, Ms CHAN Tsz Ching, Mr LAU Tsz Him Jason, and Mr SHIU Wai Ching Lucas.



HAESL – Mr LI Kwok Chun, Kun



Mr YIU Chi Hao went for an exchange at the University of Surrey, UK.



Vertical Take-off and Landing (VTOL)



Unmanned Aerial Vehicle



Student Exchange Vlog



University Life Vlog

Professional Recognition

Accreditation will be sought from the Hong Kong Institution of Engineers (HKIE) for the BEng (Hons) in Aviation Engineering and BEng (Hons) in Air Transport Engineering programmes.

Placement Opportunities

Our students gain valuable industrial experience by taking up local and overseas internships. Hands-on experiences enhance our students' learning and complement classroom teaching. These industry experience with reputed organizations allows our students to be competitive candidates in the fields of aeronautics and aviation.

Vibrant and Rewarding Study Life

AAE students are encouraged to experience various learning opportunities to broaden their horizons and gain all-rounded development. The Department supports and offers activities such as American Institute of Aeronautics and Astronautics (AIAA) in Design/Build/Fly Competition, Drone design and building activities, overseas exchange programmes, industrial visits, etc.



Mr Chow Chun Ting went on an exchange to Zurich University of Applied Sciences (ZHAW), Switzerland and joined the host University's fencing club activities.



Mr Wong Ka Yeung completed the exchange programme at Zurich University of Applied Sciences (ZHAW) and explored Switzerland.



AEOLUS – PolyU's AIAA Design/Build/Fly Competition team



Our Undergraduate Research and Innovation Scheme (URIS) students won the 2nd place in Start-Up category, Techathon 2022 Finalist/8th Hong Kong University Student Innovation and Entrepreneurship Competition and are supported by the PolyU POC fund/PolyU Micro Fund Acceleration Stage.



AAE students Mr CHONG Man Ho (first left), Ms LAM Hok Sam (first right) and Mr YIU Cho Yin (second right) won the Outstanding Award in the ASM Technology Award 2022

Scholarship opportunities

Various major Scholarships are available for students to compete for, including:

- Hong Kong Aviation Scholarship Scheme
- Innovation and Technology Scholarship
- HAESL Scholarship
- HKIE Scholarship
- HKSAR Government Scholarship
- HSBC Hong Kong Scholarship

Excellent Career Prospect

Our fresh graduates work in well-established professional aircraft maintenance engineering and pilot training companies, such as Civil Aviation Department, CAE, Hong Kong Aero Engine Services Limited (HAESL), China Aircraft Services Limited (CASL), Hong Kong Aircraft Engineering Company Limited (HAECO), HongKong Airlines and Cathay Pacific Airways. Some typical examples of job positions are:

- Graduate Engineer
- Graduate Trainee
- Cadet Pilot
- Engineering Trainee

Some of our graduates enrol on Master or Doctoral degree programmes in local or overseas universities based on their interest and career aspirations.

WONG Wan Ching, Jenny

Graduate Engineer
Cathay Pacific Airways Limited

"Studying in AAE and participating in the AIAA Design Build Fly competition have made me a competitive candidate upon graduation. I have been exposed to extensive technical aircraft knowledge during my study at AAE. Hands-on industrial training conducted in Industrial Centre is valuable and unique experience which you will get a taste of how real-life aircraft maintenance work looks like. I am grateful that the programme helped me to be well prepared for my career in Cathay as an engineer."



WONG Kwan Long, Clement

Cadet Pilot
Cathay Pacific Airways Limited



"The four elective subjects related to pilot ground theories have been provided for us to choose according to our interest. Flight simulator sessions on the A320, which are taught by experienced pilots, are also available for students to learn and feel the basic maneuvers of modern airliners. These resources had broadened my horizon in flight operations and provided me with a deeper insight into the industry. Nevertheless, the department staff have provided great support alongside our studies. The staff are friendly, helpful, and willing to answer any questions we raised, either class-related or advising on our career paths. They are mentors, as well as friends to me."

All in all, this course has best equipped me as an airline pilot in my future life. The knowledge and experience that I acquired throughout the program have built up the foundations in my future training. I am grateful for having this opportunity to study in this program and I am looking forward to utilizing these skills in my future career.