

# PROGRAMME CHARACTERISTICS

The programme allows students to take subjects in various related fields, such as flight mechanics, aerodynamics, satellite engineering, etc. Students can also take certain combinations of subjects that lead to an award with specialisation. The unique opportunities offered by the programme help students to develop into highly competent and competitive professionals in the field of aerospace engineering.

The mixed mode of study allows students to study either **full time or part time**. Local students can vary their study mode from semester to semester according to their personal preferences. This flexibility is not available to non-local students, who are constrained by visa requirements.

## Core Courses

AAE5001	Guidance, Navigation and Advanced Avionics System
AAE5202	Advanced Aircraft Structures and Materials
AAE5204	Autonomous Flight - Mechanics and Control
AAE5205	Aircraft Engine Systems and Combustion
AAE5207	Compressible Aerodynamics
AAE5208	Satellite Engineering

## Electives Courses

AAE5203	Aircraft Design and Certification
AAE5206	Artificial Intelligence in Aerospace Engineering
AAE5209	Computational Fluid Dynamics
AAE5210	Space Vehicle Propulsion Systems
AAE5211	Spacecraft Dynamics
AAE5212	Engineering Computations and Modelling

## AWARD REQUIREMENTS

To qualify for the MSc in Aerospace Engineering<sup>#</sup>, students must complete one of the following tracks:

- 7 taught subjects, including a minimum of 6 core courses, and a **Dissertation**; or
- 10 taught subjects, comprising at least 6 core courses.

Additionally, students must fulfill the Academic Integrity and Ethics (AIE) Requirement. No credit fee will be charged for this subject.

<sup>#</sup>Students have the option to apply for and receive a Postgraduate Diploma (PgD) upon meeting the specified criteria.

## CONTACT

General enquiries  
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Academic matters and detailed programme information  
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Department of  
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48006

## MASTER OF SCIENCE IN AEROSPACE ENGINEERING 航空航天工程學理學碩士學位

For 2026/27 September Entry

Information presented in this leaflet is subject to changes and does not form part of any contract between the University and any person.





## WHY AEROSPACE ENGINEERING?

With this programme, Aerospace Engineering offers a multifaceted education covering aspects of aircraft systems. From aerodynamics to satellite technology and flight control, students gain a comprehensive understanding.

Through the utilisation of cutting-edge engineering techniques, students engage in the design and development of aircraft, emphasising practical applications. China's aerospace industry thrives as a beacon of innovation and economic growth. It's a hub of innovation and growth, offering lots of opportunities. The industry is set to grow even more, providing a space for partnerships and progress. Graduates emerge as versatile engineers, proficient in aeronautical and space systems, ready to navigate the challenges and pursue advanced careers in the aerospace industry with expertise.

## PROGRAMME AIMS

- **Enhanced Education and Career Advancement:**  
Provide advanced education and training for students aiming to elevate their expertise and pursue advanced careers in Aerospace Engineering.
- **Proficiency and Industry Competence:**  
Empower students to enhance their proficiency, increasing their competitiveness in the job market and enabling them to play vital roles in the aerospace industry.
- **Advanced Technological Proficiency:**  
Facilitate students in acquiring a comprehensive understanding of the latest cutting-edge technologies within Aerospace Engineering.
- **Application of Knowledge:**  
Equip students with the ability to effectively apply their acquired knowledge and skills to resolve real-world challenges in practical scenarios.

## ADMISSION

The applicant should hold a Bachelor's degree with Honours in engineering, science, or technology, or qualifications that meet the academic criteria for Corporate Membership of the Hong Kong Institution of Engineers (HKIE), or an equivalent qualification.

Consideration will also be given to candidates without Honours degrees who have other relevant qualifications and/or appropriate work experience.

Applicants who are not native speakers of English, and the Bachelor's degree or equivalent qualification is awarded by institutions where the medium of instruction is not English, are expected to fulfil the following minimum English language requirement:

- A score of 80 or above in the Test of English as a Foreign Language (TOEFL) Internet-based test; OR
- An Overall Band score of 6.0 or above in the International English Language Testing System (IELTS) Academic module.

## IMPORTANT DATES

- Period of application: Now until 30 April 2026
  - Early Round Application Deadline: 15 October 2025.
  - Main Round Application Deadline: 15 January 2026.
  - Extended Round: 30 April 2026.
- Commencement of study: 1 September 2026

## FINANCIAL AID AND SCHOLARSHIPS

### Tuition Fee

HKD 6,900 per credit for local and non-local students.

### Scholarships

Merit-based AAE MSc Dissertation Scholarship\* is available for students who opt to complete a 9-credit dissertation.

*\*PolyU reserves the right to change or withdraw a scholarship at any time. In the case of any dispute/disagreement, PolyU's decision is final.*

