

# PROGRAMME CHARACTERISTICS

The low-altitude economy is a crucial sector leveraging aircraft flying in the low-altitude airspace for applications like passenger transportation, parcel delivery, architecture inspection, and search and rescue. This field enhances efficiency and creates new economic opportunities. Graduates will gain the skills needed to navigate airspace management, regulations, and technology, preparing them to contribute effectively to this rapidly evolving industry.

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.\*

## Core Subjects

AAE5108	Future Air Mobility and Low-Altitude Airspace Management
AAE5301	Service Design and Fleet Management for Low-altitude Economy
AAE5302	U-space Design, Air Traffic Service and Urban Aircraft System Traffic Management
AAE5303	Robust Control Technology in Low-altitude Aerial Vehicle
AAE5304	Safety, Reliability and Airworthiness Requirement for Low Altitude Aerial Vehicle
AAE5305	Low-altitude Aerial Vehicle Mechanics and Control
AAE5306	Electronics Design and Informatics for Low-altitude Economy
LSGI545	Urban Informatics

## Elective Subjects

AAE5103	Artificial Intelligence in the Aviation Industry
AAE5110	Air Transport Economics and Policy
AAE5111	Human Factors, Accident Prevention and Aviation Safety Risk Management
AAE5206	Artificial Intelligence in Aerospace Engineering
ISE5606	Business Intelligence and Data Mining
LSGI521	Principles of GIS
LSGI533	Satellite Positioning & Navigation

## AWARD REQUIREMENTS

To qualify for the MSc in Low-altitude Economy<sup>#</sup>, students must fulfill the Academic Integrity and Ethics (AIE) Requirement and 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.

\* This flexibility is not available to non-local students, who are constrained by visa requirements.

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



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## MASTER OF SCIENCE IN LOW-ALTITUDE ECONOMY 低空經濟理學碩士學位 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.

## CONTACT

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## WHY LOW-ALTITUDE ECONOMY?

The low-altitude economy is an increasingly vital sector that utilises drones and unmanned aerial vehicles (UAVs) for various practical applications, such as delivery services, infrastructure inspection, and environmental monitoring. This emerging field not only enhances operational efficiency across industries but also creates new economic opportunities. As the demand for innovative solutions grows, there is a pressing need for professionals who understand the complexities of airspace management, regulatory frameworks, and technological advancements. Engaging with the low-altitude economy prepares graduates to meet these challenges head-on, ensuring they are well-equipped to contribute to this rapidly developing area and its impact on society.

## PROGRAMME AIMS

- To provide advanced education and training for students who intend to upgrade their knowledge and seek a higher-level career in the area of low-altitude economy, airspace systems and management, U-space design, aviation safety, infrastructure design, engineering, operations for the next-generation low-altitude aerial vehicle, and management of the complex inter-/intra-city operational environments;
- To enable students to develop their competence to increase their competitiveness in the job market and become leaders in the low-altitude economy industry;
- To enable students to have a good understanding and master the most up-to-date advanced technologies and applications, in the area of the low-altitude economy, engineering, operations and management; and
- To enable students to apply their learned knowledge and skills to solve problems encountered in practice.

## ADMISSION

Applicants 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, but 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 10,100 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.*

