



Aviation Management

Overview

This is the first Aviation Management programme in Asia. You will learn a broad range of specialised aviation management skills and combine it with business knowledge. From understanding how to manage a world-class airport to running the best airline in the world, we will prepare you for a career in the aviation industry – one that will open up new and exciting opportunities as it reboots and recovers from the COVID-19 pandemic.

As part of your internship, you may fly as a cabin crew with a Singapore-based airline, or choose to take the first step towards being a pilot by taking our Aeronautical Science Option, in which you will go through flying and theoretical lessons required to obtain a Private Pilot Licence (PPL). Selected foundational subjects in this option will also give you an advantage if you pursue the Commercial Pilot Licence (CPL) or Air Transport Pilot Licence (ATPL) in the future. These special arrangements are not offered in any similar course at other local polytechnics.



Career Opportunities

You can be part of a global business which, at its peak, supported 63 million jobs and made up 3.5% of the global GDP. With many top airlines and aerospace firms operating in Singapore, and boosted by strong government support, our aviation sector will continue to require highly skilled professionals to operate and manage existing and upcoming aviation services and facilities, as the aviation sector gradually returns to its prime after the COVID-19 pandemic. Your strong management skill-sets will also give you an advantage in various business and hospitality-related domains.

These are some of the exciting jobs that could be yours!

- Air Traffic Controllers
- Airline Flight Controllers
- Airport Operations Centre Managers
- Airside Duty Managers
- Airside Officers
- Duty Terminal Managers
- Ground Services Officers



Entry Requirements

5 GCE 'O' Level subjects comprising:

| | |
|----------------------------------------|--------------|
| English Language (EL1) | (Grades 1-7) |
| Mathematics (E or A Maths) | (Grades 1-6) |
| One of the following subjects * | (Grades 1-6) |
| Any two other subjects (excluding CCA) | -- |

* *Biology, Biotechnology, Chemistry, Combined Science, Computing / Computer Studies, Design & Technology, Electronics / Fundamentals of Electronics, Physics / Engineering Science, Science (Chemistry, Biology), Science (Physics, Biology), Science (Physics, Chemistry) / Physical Science.*

Note: Applicants should not be suffering from uncontrolled epilepsy, profound hearing loss or severe vision impairment.

Diploma Core Subjects

Year 1:

- Airline Operations
- Business Fundamentals
- Computer Programming for Problem Solving
- Engineering Mathematics 1 & 2
- Introduction to Civil Aviation
- Principles of Aeronautical Science
- Quantitative Methods

Year 2:

- Airfield Systems
- Airline Management
- Airport Operations & Management
- Airport Systems
- Aviation Safety & Security
- Business Continuity Management
- Data Visualisation & Analytics
- Project Management
- Service Quality & Management

Year 3:

- Major Project

Diploma Options:

- Aeronautical Science
- Airport & Airline

Further Studies

You can gain admission into a wide range of degree programmes at local and overseas universities such as those in USA, UK, Australia and New Zealand. Advance standing for specific modules or up to 2 years exemption may be given depending on the relevance of the degree programme.

Success Stories



Armed with the highly valued and industry-relevant skill-sets which she had acquired from this diploma course when she graduated in 2014, **Ting Jia Yan** secured a position as an Air Traffic Control Officer with the Civil Aviation Authority of Singapore. After a year of rigorous training there, she became a full-fledged Air Traffic Controller.

Working from her operations centre high up in the airport tower, she oversees the navigation and flight safety of incoming and outgoing aircraft, helping to ensure that Changi Airport continues to maintain its position as the best airport in the world.

Core Strengths

Our Diploma in Aviation Management is the first such polytechnic diploma in Asia. You will be among a select few trained in a broad spectrum of aviation-related domains, from airport and airline management, to flight operations and air traffic management. You will be well equipped to meet the varied and specialised needs of the aviation community across the globe.



This is the only diploma course in Singapore which incorporates a 12-month flying programme as part of the “Aeronautical Science” option. You can take flying lessons at the Singapore Youth Flying Club and earn your Private Pilot Licence (PPL). You will also be trained in subjects leading to the Commercial Pilot Licence (CPL) and Air Transport Pilot Licence (ATPL).



This diploma also offers a 5-month internship as cabin crew (air stewardess or steward) on board Singapore Airlines, Scoot, SilkAir or Jetstar flights plying the region. You have a chance to be trained in customer service, while learning – first hand – about air safety, flight procedures and airline operations.

Student Life & Facilities

Your life on campus will be varied and vibrant. Sporting competitions, artistic pursuits, adventure learning programmes, team building games, student club gatherings, as well as the annual Campus Care Network Day carnival when students and staff join forces to raise funds, are some of the many exciting activities that will pepper your life as a student.

Located in a picturesque environment that is close to nature, the campus provides you with the ideal setting for work, play and recreation.



Always at the forefront of technology, the School emphasises innovation, creativity, problem-based learning and a practical, hands-on approach. With a wide range of modern and well-equipped facilities, and a rigorous and industry-relevant curriculum, we are well positioned to prepare you for a bright future.

Enquiries:

Tel: 6780-5144

Email: enghotline@tp.edu.sg

Website: www.tp.edu.sg/eng

FB: [facebook.com/TP.Engineering](https://www.facebook.com/TP.Engineering)

YouTube channel: TPEngSch

#TPEngine

School of Engineering

*The information in this brochure is accurate at the time of printing
For the latest information, please refer to our website
Date of printing: Apr 2023*