

Aviation Management



"I remain very impressed with your aviation training programmes, the passion of your students and staff, and your innovative efforts to meet the increasing demands of the aviation industry, for a challenging present and a bright future."

Roberto Kobeh Gonzalez
Fourth President
Council of the International Civil Aviation Organisation (ICAO)

Over one billion people and 40 percent of the world's manufactured exports are transported by air each year, making the aviation business one of the key drivers of world trade. According to the International Air Transport Association (IATA), the aviation industry's contribution to Singapore's gross domestic product (GDP) would double to about US\$65 billion (S\$88 billion) by the year 2035, spurred by increased air travel.

The exponential growth of the aviation industry has created a high demand for specialised and highly-skilled aviation professionals to operate and manage the existing and new aviation services, facilities and infrastructures, such as Changi Airport's fourth and fifth passenger terminals, the Seletar Aerospace Park, and new state of the art aircraft such as the Airbus A350XWB and Boeing 787 Dreamliner.

This course is the first Aviation Management programme in Asia. You will learn a broad range of specialised aviation management skills and 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 exciting aviation industry. You will also get a head start in the industry through a 6-month industrial attachment in various departments of the Civil Aviation Authority

of Singapore (CAAS), renowned airlines or airport ground handling agents, or by doing ground breaking research with institutions of higher education. There are also overseas internship opportunities with regional airports and aviation companies.

No aviation programme is complete without experiencing flight! You could gain in-flight experience as a cabin crew with a Singapore-based airline as part of your diploma internship, 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's Licence (PPL). Selected foundational subjects in this Option will also give you an advantage when you pursue the Commercial Pilot Licence (CPL) or Air Transport Pilot Licence (ATPL) in future.

Career Opportunities

According to IATA, the number of aviation-related jobs in Singapore is expected to double over the next 20 years, spurred by increased air travel. Hence, you can look forward to exciting and rewarding careers with airport operators, airlines, aerospace companies, aviation consulting and investment companies, civil aviation authorities, as well as ground handling and logistics companies. Your job scope would include operations and management, sales and marketing, customer service, flight operations, air traffic control, and aviation commercial development. You will also have the option to further your studies in universities in Singapore and abroad, with as much as two years' credit exemption or advanced standing. Our diploma is well-recognised by many top universities in Australia, New Zealand, UK and USA and has built strong collaborative relationships with them.

Graduation Requirements

Cumulative Grade Point Average : min 1.0
TP Fundamentals Subjects : 36 credit units
Diploma Core Subjects : 75 credit units
Diploma Option Subjects : 12 credit units
Total Credit Units Completed : min 123 credit units

Application

Apply during the Joint Admissions Exercise following the release of the GCE O Level results. For other categories of local applicants, please refer to the section on "Admission and Requirements". For international students, please refer to the section on "Information for International Students".

Entry Requirements for Singapore-Cambridge GCE O Level Qualification Holders

To be eligible for consideration for admission, applicants must obtain 26 points or better for the net ELR2B2 aggregate score (i.e. English Language, 2 relevant subjects and best 2 other subjects, including CCA Bonus Points) and meet the minimum entry requirements of this course. CCA cannot be used to meet the minimum entry requirements.

For details on GCE O Level Minimum Entry Requirements, refer to page 125.

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

Course Structure

TP FUNDAMENTALS (TPFun) SUBJECTS				
SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS	
ECS1005	Communication & Information Literacy	1	2	
ECS1006	Workplace Communication	1	2	
ECS1007	Persuasive Communication	1	2	
EGS1002	Global Studies	1	3	
EGS1003	Managing Diversity at Work*	1	3	
EGS1004	Global Citizenship & Community Development*	1	3	
EGS1005	Expressions of Culture*	1	3	
EIN1001	Innovation & Entrepreneurship	1	2	
GCC1001	Current Issues & Critical Thinking	1	2	
LEA1011	Leadership: Essential Attributes & Practice 1	1	1	
LEA1012	Leadership: Essential Attributes & Practice 2	1	1	
LEA1013	Leadership: Essential Attributes & Practice 3	1	1	
LSW1002	Sports & Wellness	1	2	
MCR1001	Career Readiness 1	1	1	
MCR1002	Career Readiness 2	1	1	
MCR1003	Career Readiness 3	1	1	
TGL1001	Guided Learning	1	3	
ESI3001	Student Internship Programme	3	12	

* Students must choose one of these three subjects or TGL1001 Guided Learning.

DIPLOMA SUBJECTS – CORE SUBJECTS

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
EAD1001	Introduction to Civil Aviation	1	4
EAL1003	Airline Operations	1	4
EAL1004	Principles of Aeronautical Science	1	4
EAM1001	Airport Operations & Management	1	4
EBZ1004	Business Fundamentals	1	4
EMA1002	Engineering Mathematics 2	1	4
EMA1003	Engineering Mathematics 1	1	4
ESE1006	Computer Programming for Problem Solving	1	4
ESE1007	Engineering Analytics	1	3
ESZ1002	Quantitative Methods	1	4
EAL2005	Airline Management	2	4
EAM2007	Aviation Safety & Security	2	4
EAT2006	Airport Systems	2	4
EAT2007	Airfield Systems	2	4
EBM2004	Project Management	2	4
EBZ2006	Service Quality & Management	2	4
EBM3004	Business Continuity Management	3	4
EMP3002	Major Project	3	8

DIPLOMA SUBJECTS – DIPLOMA OPTIONS

You will take one of the following options in your final year, and will be streamed based on your interests, a selection process and a test.

SUBJECT CODE	SUBJECT	LEVEL	CREDIT UNITS
<u>Aeronautical Science Option</u>			
EAL3005	Air Navigation	3	4
EAL3006	Flight Planning	3	4
EAM3003	Meteorological Studies	3	4
<u>Airport & Airline Option</u>			
EAL3004	Management of Air Cargo	3	4
EAM3002	Airport Administration	3	4
EAT3001	Air Traffic Management	3	4