Aviation

Never Stand Still

Science
Undergraduate Degrees in Aviation

Aviation (Flying)
The Bachelor of Aviation in Flying educates and trains pilots to the highest commercial standards. In this degree you will learn the core foundations of aviation operational management, and their practical application in a work environment. Whilst some courses are shared with the Aviation (Flying) degree, the Aviation (Management) degree includes a wide range of aviation management courses which have been developed in consultation with the industry covering areas such as airline marketing, aviation safety, aviation security, corporate planning, flight planning, schedule planning, flight operations, air traffic management, aircraft engineering and airport management.

Aviation (Management)
The Bachelor of Aviation in Management is intended to produce future aviation managers, who understand both the core theoretical foundations of aviation operational management, and their practical application in a work environment. Whilst some courses are shared with the Aviation (Flying) degree, the Aviation (Management) degree includes a wide range of aviation management courses which have been developed in consultation with the industry covering areas such as airline marketing, aviation safety, aviation security, corporate planning, flight planning, schedule planning, flight operations, air traffic management, aircraft engineering and airport management.

Admission Details

Program UAC Code UNSW Program Code Length of Study 2017 Entry Requirements
Bachelor of Aviation in Flying 429500 3980 3 years full time Interview, Class 1 CASA medical, Domestic Application to School of Aviation
Bachelor of Aviation in Management 429520 3981 3 years full time Guaranteed Entry: IB: 28 or equivalent* or
Bachelor of Commerce/Aviation (Management) 424100 3835 4 years full time Guaranteed Entry: IB: 34 or equivalent* or International students

*International students

Postgraduate Coursework

The Master of Aviation Management (MAvMgmt), (UNSW Program Code 8741) and its associated program, the Graduate Diploma in Aviation Management (UNSW Program Code 5741), are offered through distance education and have been specifically designed for students who are unable to attend weekly sessions at the University. These programs are targeted at professionals and managers who work in aviation related environments.

Postgraduate Research

The School of Aviation offers a Master of Philosophy (MPhil), a Master of Science by Research (MSc) and a Doctor of Philosophy (PhD) for exceptional students at the postgraduate level in areas relating to aviation. These degrees require you to focus on a major research topic under the supervision of one or two academic supervisors. If you wish to embark upon a Research Degree you should choose an area of study and conduct some preliminary research into the viability of the chosen topic.

Career Opportunities

The Aviation industry has one of the highest and most consistent growth rates of any industry over many decades. It is now in recovery after stagnated growth during 2009 due to the Global Financial Crisis and as demand for air travel increases, more pilots and aviation professionals will be required to facilitate this demand. The career opportunities in this industry are not limited to being a pilot or working for an airline.

For qualified pilots, there is a wide variety of work in aviation which includes being a flight instructor or charter pilot, corporate jet flying, commutair flying for regional and major airlines, helicopter flying and aerial survey work. All these fields have their own requirements and rewards. Generally, to be employable, pilots must have qualified for a commercial pilot license (CPL). This includes many hours of flying training plus a number of theory examinations. Typically a new CPL holder would also need either a command instrument rating (CIR) or an instructor rating in order to be able to fulfil the requirements of an employer.

Graduates of Aviation Management degrees can expect to find employment with airlines, airports, government agencies such as the Commonwealth Department of Transport and Regional Services, air traffic authorities, air traffic services, areas of management for the Defence Forces, management consultant organisations and air safety authorities. The possibilities of careers are very wide and not limited to traditional administrative jobs. The industry is becoming more complex and sophisticated, and this means organisations are looking for better trained people in many employment situations who have wide industry knowledge and all-round capabilities.

Graduate Testimonials

H.Aaron Chong
A320 First Officer - Singapore Airlines Cargo

The UNSW Aviation (Management) program enabled me to build on my interest of airline economics and operations. During the degree, I was able to solve airline management problems through the study of extra courses such as Econometric Methods and Business Forecasting. At the end of second year, I was placed in two industry rotations at Qantas - Group Safety and Cabin Crew Resource Strategy. I found these placements particularly rewarding as I was able to apply the statistical skills gained at university in a practical way to improve the understanding of Crew Sickness and Crew Injury. At the end of third year, I decided to continue to Honours, focusing my Research in the area of airline product pricing and route network strategies.

Fu-Jui Hsueh
Singapore Airlines Cargo - Regional Marketing Manager

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Defect Reporting Cultures in Australian Aviation

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School Contact Details

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