Aviation

The School of Aviation, Australia's only standalone university aviation school, is focused on combining leading research, world-class facilities and practical teaching to create graduates ready to take on global opportunities within the sector.

We pride ourselves on our high rate of employment for flying and management graduates both in Australia and internationally. Our partnerships with major carriers provide our graduates with superior employment opportunities. Our global alumni support network gives students access to opportunities around the world.

With researchers who focus on aviation and transport safety, airline and airport operations and airline economics and strategy, we capitalise on the strong research synergies in human factors across transport safety and research in aviation. Our students benefit from world-class university owned flying training facilities.

Undergraduate Degrees in Aviation

The Bachelor of Aviation (Flying)
The Bachelor of Aviation (Flying) educates and trains pilots to the highest commercial standards. In this degree you'll learn the core science behind aviation management as well as gain your pilot licence. As part of the Professional Pilot Program you will have up to 240 hours of flight training and approximately 30 hours of simulator training.

Admissions details
UAC code: 429500
UNSW program code: 3980
Length of study: 3 years full-time
Cut-off: *See additional selection criteria

Additional selection criteria
• Completion of the Internal Application for Admission to Bachelor of Aviation (Flying). (The application form can be obtained from the School of Aviation.)

The Bachelor of Aviation (Management)
The Bachelor of Aviation (Management) is a unique academic program designed for people interested in pursuing a career in flight operations or on the flight deck. If you have aviation industry experience or foresee you might be looking to further your qualifications to a tertiary level. The degree shares a common academic core with the flying stream, but instead of flight training you do a range of courses in management areas such as Operations Management, Aviation Economics, Law and Regulations, Airline Marketing and Safety.

Admissions details
UAC code: 429521
UNSW program code: 3981
Length of study: 3 years full-time
Cut-off: ATAR 80.00, IB 29 or equivalent

Career Opportunities

The aviation industry has one of the highest and most consistent growth rates of any industry over many decades. At present, the aviation industry is experiencing a renaissance in growth unprecedented since post World War II, requiring more pilots and aviation professional to facilitate this demand.

An Aviation degree from UNSW is highly regarded within the aviation industry, as our graduates are equipped with relevant skills and exposure to the industry. As the Bachelor of Aviation degree indicates, the career opportunities are not just limited to being a pilot or working for an airline.

Management graduates can expect to find employment with airlines, airports, government agencies such as the Commonwealth Department of Transport, tourism authorities seeking aviation expertise, air traffic services, areas of management for the Defence Forces, management consultant organisations and air safety authorities.

Postgraduate Coursework

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

Postgraduate Research

In addition to the Master degrees (MAvMgmt), 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.

Current and previous postgraduate research projects include:

- Low cost carrier networks and effects on regional tourism
- Remote sensing instrumentation
- CASA regulatory oversight program
- Aircraft maintenance management
- Market entry and exit strategy for airlines
- Cosmic rays and their effects on aircraft occupants
- Automation and air traffic control systems
- Aviation security and passenger profiling
- Does pilot attitude equate to pilot behaviour?
- Customer choice in Australian aviation
- Situational Awareness - A social psychological perspective

Student Testimonials

**“Having graduated from the UNSW Aviation (Flying) degree in 2010, I initially expected I would pursue a charter pilot job in the outback before applying for regional airlines. While chasing various charter jobs in WA, I was able to secure a job with an Indonesian airline based in Jakarta. I flew as a FO on high capacity turboprops for almost 4 years to destinations in Sumatra, East Timor, Papua, Borneo, Lombok and Bali. Currently I am based in Hong Kong flying for a local airline on the Airbus A320 and fly to destinations across Asia. Having the best possible training was very important at the start of your career because it prepares you to handle future challenges with more confidence. The higher than average standards UNSW places on its students and instructors, leads to superior quality pilots and respected industry professionals.”**

Dan Boland
2010 Aviation (Flying) Graduate
Hong Kong Airlines - A320 First Officer

**“The Bachelor of 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 in Hobart, focusing my thesis on Airline Price & Product Strategies in the Sydney to Los Angeles market. At the same time I took on a job as a Ground Blues in Airline Planning and then moved onto a role as a Research Analyst in Network Planning. In my current role I monitor and analyse cargo performance in South West Pacific, formulate sales & marketing strategies, and devise and implement region-wide policies and tools across Australia & New Zealand for Singapore Airlines Cargo.”**

Fu-Jui Heu
Bachelor (Management) Graduate
Singapore Airlines Cargo - Regional Marketing Manager
School Contact Details

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