

Experience.
Civil Aviation

09



Welcome.

Choosing to study at UniSA means you'll graduate with more than just a degree. You'll be ready to progress in the profession of your choice. You'll have gained an international network. And you'll have the skills to make an immediate and lasting contribution to society. We look forward to welcoming you.

Professor Peter Høj
Vice Chancellor and President, University of South Australia

Three reasons to get off the ground at UniSA

- » We are the only university in South Australia to offer a Bachelor degree in Civil Aviation. Many of our graduates go on to work with major airlines worldwide
- » Nothing beats hands-on experience. UniSA Aviation students have the opportunity of taking part in keeping metropolitan beaches safe for swimmers through participation in UniSA's Shark Patrol service. For our graduates, flying with the shark patrols provides a valuable first look into the reality of commercial operations
- » Our students fly in style. Aviation students are able to complete their flying hours with UniSA's brand new fleet of Cessna 172S.

Of bachelor degree graduates who were available for full-time employment in 2007, 84.5 per cent were in full-time employment within four months of completing their degrees. These are the strongest employment figures for new graduates since 1990.¹

¹GradFiles, Schools Edition, December 2007 (Graduate Careers Australia)

'Australian aviation education providers need to increase pilot instructor numbers by at least 15 per cent over the next five years to avoid serious pilot shortages in the future,' says Stephen Phillips UniSA's Head of Aviation. Pilots are in demand in all sorts of fields, ranging from 'fly-in, fly-out' for the mining industry, charter and air ambulance services, as instructors and with regional, national or international airlines.'

Experience. Civil Aviation

A career in commercial aviation is both exciting and rewarding but most airlines now prefer new entry pilots to have a university degree. UniSA's professionally trained pilots are keenly sought.

UniSA's Bachelor of Applied Science (Civil Aviation) is recognised throughout the world for producing skilled and confident graduates who are industry-ready. We recognise that modern pilots require a thorough knowledge of computer-controlled flight management systems, together with associated technology, flight operation and crew resource management.

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Bachelor of Applied Science (Civil Aviation)

Open Day information sessions

Sunday, 17 August 2008
9.45 am, room HH3-09
City West campus
www.unisa.edu.au/openday

Program information session

Wednesday 3 September, 2008
6.00 pm, Room BJ1-13
Wednesday, 10 December, 2008
6.00 pm, Room P3-20
City East campus
www.unisa.edu.au/infosessions

UniSA program code:	LBCV
SATAC code:	434032
CRICOS code (international students only):	024163E
TER (February 2008 cutoff):	66.05
Program length:	3 years
Home campus:	Mawson Lakes
Program fees:	Commonwealth supported
Program fees (international students only):	A\$17,900 per annum
Prerequisites:	None
Assumed knowledge:	Stage 2 Mathematical Studies, Specialist Mathematics, Physics
Accepts Special Entry (STAT):	Yes
External study available:	No
Part-time study available:	Yes
TAFE credit available:	Yes
Honours study available:	No
Scholarships available:	www.unisa.edu.au/scholarship

Program overview

The University of South Australia was the first university in Australia to offer a tertiary qualification for pilots. It continues to remain the only university in South Australia to offer Civil Aviation as a tertiary qualification as well as an integrated flight training program at its Aviation Academy.

The Bachelor of Applied Science (Civil Aviation) program is a technically oriented aviation program that exceeds the minimum standards specified by the Australian Civil Aviation Safety Authority for the Commercial Pilot and Air Transport Pilot License theory examinations.

Professional pilot training is not simply the act of physically flying an aeroplane. It requires an in-depth knowledge of many diverse elements including aerodynamics, aircraft power plants and systems, meteorology, navigation, flight planning, computer-controlled flight management systems, flight operation technology and crew resource management, along with a professional attitude.

The Aviation degree, while catering specifically for future airline pilots, also provides pathways for those who aspire to a career in aviation other than piloting such as air operations dispatch, air traffic control and aviation management.

What will I study?

The program provides students with a broad theoretical and practical knowledge of the fundamentals of aerodynamics, aircraft systems, meteorology, navigation, flight planning, aircraft performance, and computer-controlled aircraft management systems.

Throughout their studies students undertake visits to the Bureau of Meteorology and Air Traffic Control facilities. These visits provide students with an opportunity to gain an essential understanding and knowledge of the industry in which they will work as an Aviation graduate.

The UniSA Aviation Academy provides students with the opportunity to undertake an integrated flight training program whilst completing the Bachelor of Applied Science (Civil Aviation). This training is conducted in a climate conducive to ideal flying conditions, a short distance from the University campus. Students who undertake the flight training program require approximately 220 hours of flying training.

Students will complete their flying hours in the new UniSA aviation aircraft fleet and will have access to the Flight Simulator. Students who successfully complete the flight training will obtain an Australian Commercial Pilot's Licence and a Multi-Engine Command Instrument Rating.

A highlight of the flight training program is the “student-only” interstate fly-away trip, which gives students the opportunity to have extended hands-on flying experience while getting to know fellow Civil Aviation students.

What does it take?

To be successful, students must develop responsibility, be able to plan ahead, have the capacity to think clearly and logically, possess an aptitude for mental arithmetic and hand/eye coordination. Students are expected to adopt a professional attitude and be highly motivated to succeed in the aviation industry.

Who will employ me?

This program aims to provide graduates with the skills, knowledge and experience suitable for a career in the civil aviation industry. Graduates of the program who undertake the optional UniSA Flight Training Program can go on to Flight Instructor training and gain employment as a flight instructor, or become a charter pilot while accumulating the air experience necessary for airline entry. Non-flying graduates can pursue an aviation career in flight operations, airline administration, aviation management or air traffic control.

Graduates of the Bachelor of Applied Science (Civil Aviation) have been successfully employed by organisations such as QANTAS, Cathay Pacific, Malaysian Airlines, British Airways, Singapore Airlines and Virgin Blue Airlines.

Program requirements

FIRST YEAR

First Half (Study Period 1, 2 or 3)

Aerodynamics and Aircraft Systems 1
Aviation Mathematics
Aviation Physics 1N
Navigation and Meteorology 1

Second Half (Study Period 4, 5 or 6)

Aviation Physics 2N
Aviation Legislation and Procedures
Flight Planning and Performance
Navigation and Meteorology 2

SECOND YEAR

First Half (Study Period 1, 2 or 3)

Aerodynamics and Aircraft Systems 2
Aircraft Microprocessor Control 1CV
Meteorology 3
Navigation and Flight Planning 1

Second Half (Study Period 4, 5 or 6)

Aerodynamics and Aircraft Systems 3
Aircraft Microprocessor Control 2CV
Aviation Human Factors
Navigation and Flight Planning 2

THIRD YEAR

First Half (Study Period 1, 2 or 3)

Aviation Teaching and Learning Processes
Aviation Management
BUGE Elective 1
Navigation and Safety Systems

Second Half (Study Period 4, 5 or 6)

BUGE Elective 2
Crew Resource Management
Flight Deck Systems Management
Instructional Techniques



David Game

Bachelor of Applied Science (Civil Aviation)

‘UniSA owns its own flying school. This is a great advantage as the program and the flying training are run by the same institution and are well integrated.

On a field trip, we were privileged to be able to sit in the cockpit of a Kendell Airlines SAAB 340 for a trip to Port Lincoln and back. It was great to see first-hand how an airline crew work together to complete a safe flight.

I am currently working in my field of study as a First Officer for Regional Express.’

Entry requirements

For Undergraduate Bachelor Degrees and Associate Degrees

Applicants are required to have one of the following qualifications:

- » Qualified for SACE; and
 - Recorded achievement in five SACE subjects taken at stage 2 level; and
 - Included at least four Stage 2 subjects which are approved Higher Education Selection Subjects (HESS); and
 - Obtained a competitive TER
- » Completed interstate or overseas qualifications that the University considers equivalent to the SACE
- » Completed the International Baccalaureate Diploma
- » Completed or partly completed a recognised higher education program at a recognised higher education institution
- » Completed at least four Open Universities Australia (OUA) courses at the appropriate level

- » Completed an award from TAFE or from another registered training organisation at Australian Qualifications Framework Certificate IV or above
- » Qualified for Special Entry and completed the Special Tertiary Admissions Test (STAT). A personal competencies statement and/or employment experience may also be considered
- » Completed the University Foundation Studies program.

Please note that some programs have prerequisites. Applicants should check all entry requirements before applying. For some programs, applicants may also be required to attend an interview or present a folio.

For more information on entry requirements, visit www.unisa.edu.au/future

Equity and special access

UniSA offers various programs and services to assist rural and/or socio-economically disadvantaged students, Indigenous Australians and people with a disability to apply to UniSA.

For more information, contact (08) 8302 2376 or 1300 UNINOW or email study@unisa.edu.au

Student contributions

Student contributions are the amount you pay towards the cost of your program. The University determines the amount that you contribute within a range set by the Australian Government. The contribution that applies depends on which courses you choose to study and the contribution band in which those courses are classified. The amount of your student contribution also depends on the unit value of your courses of study (the equivalent full-time student load [EFTSL] value of the course).

As per the Australian Government guidelines, the student contribution amounts for 2008 are:

Band	Fields of study	Student contribution
National priorities	Nursing, education	A\$4,077
Band 1	Humanities, behavioural science, social studies, foreign languages, visual and performing arts	A\$5,095
Band 2	Mathematics, statistics, computing, built environment, health, engineering, science, surveying, agriculture	A\$7,260
Band 3	Law, accounting, commerce, administration, economics, dentistry, medicine, veterinary science	A\$8,499

Note: these amounts are for 1 EFTSL in 2008

For more information visit www.unisa.edu.au/future/fees

Experience. The Difference.

Ask UniSA

Get answers 24/7 at
www.unisa.edu.au/future
Telephone 08 8302 2376
or freecall 1300 UNINOW
Email study@unisa.edu.au

The University of South Australia reserves the right to alter, amend or delete any program, fee, course, admission requirement, mode of delivery or other arrangement without prior notice.

For information specific to international students please visit
www.unisa.edu.au/international/default.asp

Information correct at time of printing June 2008

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