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- » 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.
- » CRICOS provider number 00121B.
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- » Printed on 100% recycled paper with vegetable inks.



UniSA

Experience. Civil Aviation

2010

Glossary

WHAT WILL YOU STUDY?

Associate degree

An award for completing a two-year (or part-time equivalent) tertiary program.

Direct Entry

Programs for which applications are not processed through SATAC but are made direct to UniSA.

Bachelor degree

A program of three or more years' duration (or part-time equivalent). Bachelor degree programs provide the relevant qualifications for many professions.

Honours

An additional year of study in a bachelor degree during which students specialise in a chosen area of study. In some cases, honours study can actually be done as part of the degree.

Graduate Certificate

An award for completing a postgraduate program of at least six months in duration (or part-time equivalent).

Graduate Diploma

An award for completing a postgraduate program of at least one year in duration (or part-time equivalent).

Masters degree

A postgraduate degree undertaken after completion of a bachelor degree (normally with honours) which focuses on one area of specialisation.

PhD

Doctor of Philosophy (PhD) programs normally extend over three years (or part-time equivalent) and involve significant research work.

HOW DOES YOUR PROGRAM WORK?

Major

A set of related courses which comprises 36 units of study within a bachelor degree.

Sub-major

A set of related courses which comprises between 19 and 35 units of study within a bachelor degree. In some programs these may be called 'general studies sub-majors'.

Minor

A set of related courses which comprises up to 18 units of study within a bachelor degree. In some programs these may be called 'cognates'.

Program

Award in which you are enrolled, eg Bachelor of Arts.

Course

A component of study within a program (previously known as a 'subject').

Unit

A value assigned to a course which measures the amount of work involved in that course. Full-time students normally undertake 36 units of study per year (18 units per study period).

UNISA GLOSSARY

Assumed knowledge

Some first-year courses require knowledge of certain SACE Stage 2 subjects.

BUGE (Broadening Undergraduate Education)

A course chosen from any on offer outside your Division, provided that individual course prerequisites are met. BUGE courses are designed to broaden your knowledge and skills beyond your professional field of study.

CRICOS code

Code identifying that a UniSA program has been registered on the Commonwealth Register of Institutions and Courses for Overseas Students (CRICOS).

Division

UniSA is split into four academic Divisions – Business; Education, Arts and Social Sciences; Health Sciences; and Information Technology, Engineering and the Environment – each offering a range of specialised programs and courses.

SATAC Guide

A publication that lists every program offered by South Australian higher education institutions. The SATAC Guide provides information about the selection process and includes instructions on how to apply and is available every year from newsagents Australia-wide.

Special Entry (STAT)

Special Tertiary Admissions Test (STAT) is an alternative tertiary admissions test for people who do not have a recent Year 12 certificate.

TER (Tertiary Entrance Rank)

A ranking of all students who have completed SACE in a particular year. The minimum TER required for the previous year is often a guide to how well you will need to perform to gain entry into a particular program. TERs can vary from year to year and should be used as a guide only.

Why study Civil Aviation 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 to assist 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 2008, 85.2 per cent were in full-time employment within four months of completing their degrees (up from 84.5 per cent in 2007).*
- » '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.'

* GradFiles, Schools Edition, December 2008 (Graduate Careers Australia)

Experience. Civil Aviation

An exciting and rewarding career in commercial aviation could be yours and a UniSA's Bachelor of Applied Science (Civil Aviation), recognised for producing skilled and confident graduates, will provide you with the knowledge and understanding required to be a professional pilot.

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Bachelor of Applied Science (Civil Aviation)

Open Day 2009

City West Campus: Sunday 16 August, 70 North Terrace, Adelaide
unisa.edu.au/openday

Career Information Session 2009

Mawson Lakes Campus: Wednesday 2 September at 6.30pm
unisa.edu.au/infosessions

SATAC code	434032
UniSA program code	LBCV
CRICOS code	
(international students only)	024163E
TER (February 2009 cut-off)	68.65
Program length	3 years
Prerequisites	None
Assumed knowledge	SACE Stage 2 Mathematical Studies, Specialist Mathematics and Physics
Home campus	Mawson Lakes
Accepts Special Entry (STAT)	Yes
External study available	No
Part-time study available	Yes
TAFE credit available	Yes
Honours study available	No
Program fees	Commonwealth supported
Program fees (international students only)	(A\$) \$19,000 per annum
Scholarships available	unisa.edu.au/scholarship

Program overview

Today's professional aviators are required to know much more than just how to fly an aeroplane. They are required to have an in-depth knowledge of a wide range of subjects, from the theory and practice of flight, to the safe and efficient management of aviation resources and personnel.

The aviation industry offers careers in general aviation as pilots and instructors, as well as air operations dispatch, air traffic control and aviation management. Recognising these diverse needs, UniSA is the only university in South

Australia to offer Civil Aviation studies at a tertiary level.

The first university in Australia to offer a tertiary qualification for pilots, UniSA is also one of only two Australian universities to operate its own flying school. The technically-oriented Bachelor of Applied Science (Civil Aviation) program exceeds the standard requirements of the Australian Civil Aviation Authority for the issue of both Commercial and Air Transport Pilot licences.

What will I study?

The program provides students with a sound theoretical and practical knowledge of the

fundamentals of aerodynamics, aircraft systems, meteorology, navigation, flight planning, aircraft performance and computer-controlled aircraft management systems. As part of their studies students undertake visits to the Bureau of Meteorology, Air Traffic Control and other aviation facilities. These visits provide students with an opportunity to gain a better understanding and knowledge of the industry in which they will work as an Aviation graduate.

Working in close association with 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, conducted a short distance from the University campus, will provide students with approximately 220 hours of flying training. Students will undertake their training in the new UniSA aviation aircraft fleet and will have access to a modern Flight Simulator.

Students who successfully complete the flight training will obtain an Australian Commercial Pilot's Licence and a Multi-Engine Command Instrument Rating and, subject to acceptance, may also receive a Graduate Diploma in Aviation. 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 succeed in aviation, students need to be highly motivated and willing to develop a professional

attitude and approach to their work. In addition, successful students will have developed a sound level of responsibility, will be able to plan ahead, have the capacity to think clearly and logically and have good hand/eye coordination.

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 complete the 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 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, National Jet, Alliance and Virgin Blue Airlines.

Program requirements

FIRST YEAR

Aerodynamics and Aircraft Systems 1
 Aviation Mathematics
 Aviation Physics 1N
 Navigation and Meteorology 1
 Aviation Physics 2N
 Aviation Legislation and Procedures
 Flight Planning and Performance
 Navigation and Meteorology 2

SECOND YEAR

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

THIRD YEAR

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

USANet Special Access Scheme

The USANET Special Access Scheme is an equity initiative established to increase access to UniSA for school leavers who may have been educationally disadvantaged. USANET offers bonus points and support services to encourage students to enrol and succeed in undergraduate programs at UniSA.

Students will be automatically eligible for USANET if they have attended a school recognised by UniSA as either significantly disadvantaged, or if they are rural or isolated or students who are on the School Card (or state equivalent) and/or Youth Allowance attending any other school in Australia. To download an application form, go to unisa.edu.au/usanet/apply.asp

The completed form needs to include your SATAC application number, the school stamp and be verified by the school principal or delegate.

For more information, contact Future Student Enquiries, phone (08) 8302 2376 or 1300 UNINOW (local call cost) 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 2009 are:

Band	Fields of study	Student contribution
National priorities	Nursing, Education	A\$4,162
Band 1	Humanities, behavioural science, social studies, foreign languages, visual and performing arts	A\$5,201
Band 2	Mathematics, statistics, computing, built environment, health, engineering, science, surveying, agriculture	A\$7,412
Band 3	Law, accounting, commerce, administration, economics, dentistry, medicine, veterinary science	A\$8,677

Note: these amounts are for 1 EFTSL in 2009. The student contribution amounts for 2010 will be advised by the Federal Government in October 2009, and these will be available to view via unisa.edu.au/future/fees at that time.