

2009 Information Sheet for the Qantas / Swinburne Bachelor of Aviation/Graduate Certificate of Aviation (Piloting)

What is the Qantas/Swinburne Bachelor of Aviation/Graduate Certificate program?

The Qantas/Swinburne Bachelor Degree/Graduate Certificate option is a combined delivery of the Bachelor of Aviation and the Graduate Certificate of Aviation (Piloting) as accredited and awarded by Swinburne University of Technology. It incorporates the flight training required by Qantas as part of Phase One of the Qantas Cadet Pilot Program.

The combined program is designed for applicants with little or no flying experience who wish to gain a Bachelor Degree in addition to pilot licence theory and flight training. Qantas Cadet Pilots who choose this option will complete Phase One of the Qantas Cadet Pilot Program with Swinburne University of Technology in Melbourne, Victoria undertaking the Swinburne Bachelor of Aviation and Graduate Certificate of Aviation (Piloting). Qantas will manage the application and selection process, and Swinburne and General Flying Services work together to deliver the program. General Flying Services is a participating Flight Training Organisation (FTO), approved by Qantas for the Cadet Pilot Program.

This combined three year program also includes academic studies in Aviation Human Factors, Air Transportation Management and Aviation Technology. Graduates from this program will have, in addition to their flying qualifications, a broader Aviation education that will prepare them for possible future management roles within the aviation industry.

Qantas Cadets will be enrolled in the Bachelor Degree in a Commonwealth Supported Place and in the Graduate Certificate in a Full Fee Paying place. Students may be eligible for financial assistance for units in both programs, including flight training.



At completion of Phase One of the Qantas Cadet Pilot Program, successful cadets will have:

- A Bachelor of Aviation and a Graduate Certificate of Aviation (Piloting) from Swinburne University of Technology
- A Commercial Pilot (Aeroplane) Licence CPL(A)
- A Command (Multi Engine Aeroplane) Instrument Rating
- Credits for all Air Transport Pilot (Aeroplane) Licence theory subjects
- Instruction designed to enhance the Cadets' aircraft management, multi-crew skills and their knowledge of Qantas operating procedures
- 100 hours as Pilot in Command of a fixed wing aircraft
- Approximately 200 hours total flying time supplemented by additional flight simulation time
- 5 hours of dual aerobatics
- Multi Engine Gas Turbine type rating

How do I study the Bachelor Degree and Graduate Certificate Concurrently?

Students undertake a full time academic load in the Bachelor degree program and concurrently undertake their flying training within the Graduate Certificate. Undertaking the Graduate Certificate will not extend the time to graduation, given successful academic progress.

Students who elect to undertake the Graduate Certificate of Aviation (Piloting) must be concurrently enrolled in the Bachelor of Aviation.

Where do I study?

In Stage 1 during Semester 1 and 2, students will spend three days a week at General Flying Services, Moorabbin Airport undertaking the Aviation Studies and Flying Training, and two days a week at Swinburne's Hawthorn campus undertaking Aviation Technology, Aviation Human Factors and Air Transportation Management studies. In Stages 2 and 3, students will spend two days a week at General Flying Services and three days a week at Swinburne, Hawthorn.

Bachelor Degree

Program structure and student workload

Students must complete at least 300 credit points and select units of study from five discipline groups:

- Core Aviation / Aviation Human Factors / Air Transportation Management & Aviation Technology Studies - 200 credit points
- Core Project Studies - 25 credit points
- Elective Aviation / Aviation Human Factors / Air Transportation Management & Aviation Technology Studies - 37.5 credit points
- A further 37.5 credit points from: Aviation & Aviation Technology Studies; Elective Plus Sequence; or Elective studies as approved by the Program Panel
- HES0000 Careers in the Curriculum (zero credit points)

The practical flying training is not a compulsory part of the degree structure, however as a Qantas Cadet Pilot you will be required to undertake the flight training as specified in Phase One of the Qantas Cadet Pilot Program.



Units of Study:

Core Aviation Studies Group

HES1900 Private Pilot Licence*
HES1906 Commercial Pilot Licence*
HES2901 Commercial Pilot Licence 2*
HES2906 Air Transport Pilot Licence 1*
HES4901 Air Transport Pilot Licence 2*
HES4906 Air Transport Pilot Licence 3*

Core Aviation Human Factors Studies Group

HES1910 Human Factors & Communication
HES1915 Occupational Health and Safety*
HES2910 Human Factors and Performance

Core Air Transportation Management Studies Group

HES2986 Aviation Regulation Environment and Operation
HES4981 Aviation Business Management
HES4990 Aviation Legal Framework

Core Aviation Technology Studies Group

HES1945 Aircraft Electrics and Avionics
HES2940 Aircraft Aerodynamics and Performance
HET124 Energy and Motion
HMS141 Aviation Mathematics

Core Project Studies Group

HES4961 Aviation Research Project
HES4962 Advanced Aviation Research

Elective Aviation Studies Group *(required for Qantas Cadet Pilot Program)*

HES3901 Airline Standard Flying Training (zero credit points)

Elective Aviation Human Factors Studies Group

HES4916 Integrated Safety Management Systems

Elective Air Transportation Management Studies Group

HES2915 Airline Planning & Operations
HES2935 Aircraft Maintenance *
HES2990 Airport Planning, Operation and Management
HES4965 Aviation Study Tour
HES4985 Airspace Management and Air Traffic Services
HBSG200 New Venture Development and Management

Elective Aviation Technology Studies Group

HES1935 Internal Combustion and Gas Turbine Engines
HES2930 Aircraft Structures
HES2945 Aircraft Design and Operation

Notes:

All subjects are 12.5 credit points unless specified otherwise.

* These subjects will be either fully or partly delivered at General Flying Services, Moorabbin Airport. All 7 CASA CPL theory examination credits are required for the student to sit CASA ATPL theory exams. Students should undertake Careers in the Curriculum in their 4th academic semester. Students may undertake it after this point, however priority will be given to students selecting it as scheduled. The Faculty will enrol students in HES3901 upon GFS confirmation that CPL(A) has been achieved. No Swinburne fees are incurred.



Graduate Certificate of Aviation (Piloting)

Program

Students must complete at least four Aviation Practical Units (50 credit points), three core units and one elective to meet the requirements of the Graduate Certificate.

Students undertaking the Graduate Certificate will also need to undertake additional training to meet the requirements of Phase 1 of the Qantas Cadet Pilot Program.

Units of Study for Qantas Cadets

HES1950 Private Pilot Licence Practicum *
HES1955 Commercial Pilot Licence Practicum 1*
HES2950 Commercial Pilot Licence Practicum 2*
HES4950 Multi Crew Cooperation Practicum*
HES4955 Multi Engine Gas Turbine Type Rating Practicum*
plus Qantas Cadet PIC Supplement 30 hours Command in C-172 A/C

Expected Fees and Costs

Fees payable are:

- The Student Contribution Amount payable for each unit in the Bachelor Degree.
- The Tuition Fee payable for each unit in the Graduate Certificate.
- Additional costs associated with flight crew licence issue and testing.

Student Contribution Amount

As a guide, the 2008 annual Swinburne Student Contribution Amount for students enrolled in the Bachelor of Aviation was \$7,260 (standard full time load) or \$907 per unit of study.

2009 fees will be published in August on the Swinburne Student Fees website:

http://www.swinburne.edu.au/corporate/student_affairs/fees/

Swinburne Tuition Fee

Tuition fees are payable for the practical flight training: Single Engine Commercial Pilot Licence with Command Instrument Rating, 100 hours PIC time, Multi Crew Cooperation Course and C-90 Gas turbine Type Rating.

The flight training costs are incorporated into a Tuition Fee payable for each unit in the Graduate Certificate. The expected 2009 Practicum Unit Fees are provided below.

Core Aviation Practical Studies	Unit Fees
HES1950 Private Pilot Licence Practicum	\$26,800.00
HES1955 Commercial Pilot Licence Practicum 1	\$21,600.00
HES2950 Commercial Pilot Licence Practicum 2	\$22,030.00
Elective Aviation Practical Studies	Unit Fees
HES4950 Multi Crew Cooperation Practicum ^	\$ 8,100.00
HES4955 Multi Engine Gas Turbine Type Rating Practicum ^	\$16,630.00
HES4958 Flight Instructor Rating Practicum	\$17,220.00

^ Required for Qantas Cadet Pilot Program

Confirmation of Unit of Study Fees for 2009 will be available on the Swinburne Student Fees website from mid-August 2008 http://www.swinburne.edu.au/corporate/student_affairs/fees/

Further fees will apply if additional flight training hours are needed to obtain required standards or where increases in specific industry costs occur such as fuel, parts and CASA fees.



Compulsory (Payable to General Flying Services Pty Ltd)	
Qantas Cadet PIC Supplement 30 hours Command in C-172 A/C	\$ 7,260.00
Textbooks and Equipment Fee	\$ 2,956.00
CASA Exam Fees	\$ 2,518.00
Medical issue SPL and ASIC Fees	\$ 450.00
Total	\$13,184.00

Additional Costs

Reference should be made to the CASA website for current CASA/ASL exam fees and Medical/SPL/ASIC charges. References and equipment cost are subject to small increases from time to time and the supplementary 30 hours is expected to increase subject to fuel and maintenance prices.

Is Financial Assistance Available?

From 2009 (subject to accreditation), eligible students undertaking the Qantas/Swinburne combined Bachelor/Graduate Certificate option will be able to access Commonwealth assistance for fees for both the academic units of study and flight training. HECS-HELP is available in the Bachelor Degree. FEE-HELP will be available in the Graduate Certificate.

It is expected that any Australian citizen admitted into the Qantas Cadet Pilot Program and the Bachelor Degree/Graduate Certificate will be eligible for HECS-HELP and FEE-HELP. Australian Permanent Residents and New Zealand citizens are not eligible for FEE-HELP. A maximum lifetime FEE-HELP limit applies; in 2008 the FEE-HELP limit was \$81,600. As the Graduate Certificate of Aviation (Piloting) is a postgraduate program there is no FEE-HELP loan fee.

For information regarding HECS-HELP and FEE-HELP eligibility and conditions please access the DEEWR Going to Uni website: www.goingtouni.gov.au

What other expenses may I incur?

There is a list of University administrative and miscellaneous charges which students may incur during their university career on Swinburne Student Fees website under Ancillary Fees: http://www.swinburne.edu.au/corporate/student_affairs/fees/

Other expenses a student may incur include textbooks, accommodation costs and general living expenses.

Accommodation

Swinburne University of Technology offers a range of on campus and off campus accommodation options. Information and costs can be found at the Swinburne Housing website: www.swinburne.edu.au/stuserv/housing

Additionally, General Flying Services offers fully furnished residential housing within walking distance of Moorabbin Airport.

Accommodation at Swinburne University and General Flying Services is subject to availability. Successful candidates are encouraged to apply for accommodation as soon as possible.

What are the entry requirements for this combined program?

In addition to the Qantas Cadet Pilot Program minimum criteria, applicants must have satisfactorily completed the Victorian Certificate of Education (VCE) or its equivalent, with the following subjects forming the prerequisites for the course.

VCE Units 3 & 4 - a study score of at least 20 in English (any) and Mathematical Methods.



Please note, students must complete both Unit 3 and 4 of Mathematical Methods, however the minimum study score may be obtained in either Unit 3 or 4. Passes may be accumulated over more than one year.

Students enrolling in the Bachelor Degree may enrol in the Graduate Certificate concurrently.

How do I get more course information?

For further information about the Bachelor Degree, please visit:

www.swinburne.edu.au/coursefinder (keyword M055N)

Further information about the Graduate Certificate will be available shortly (keyword MF90N)

How do I apply?

All applicants for the Qantas Cadet Pilot Program apply directly to Qantas. Applicants should refer to the information listed in the Pilot Recruitment section of the Qantas website.

www.qantas.com/info/about/employment/pilots

Can I apply for both the Bachelor Degree and Qantas Cadet Pilot Program?

Candidates for the Qantas Cadet Pilot Program who are interested in the Bachelor Degree option may also wish to submit a separate application for the Bachelor of Aviation at Swinburne University of Technology in case they are not successful obtaining a position in the Qantas Cadet Pilot Program.

Applicants for the Swinburne Bachelor of Aviation are required to meet the degree entry requirements. Selection is based on ENTER score and interview. For semester 1, 2009 intake, applicants would be required to submit both an application via the Victorian Tertiary Admissions Centre (VTAC code 34511) and the Swinburne Request for Interview prior to 30 September 2008.

Further information about application details and timelines is available from the VTAC website:

www.vtac.edu.au

Swinburne Aviation Information Night

A Swinburne Aviation Information Night will be held on Tuesday September 2nd, 7.30pm in the 2nd floor of the Business and Arts (BA) Building, Hawthorn Campus, Lecture Room BA201.

Who can I contact for more information?

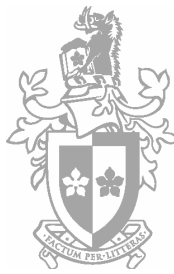
Faculty of Engineering and Industrial Sciences

Web: www.swinburne.edu.au/aviation

Email: study@swinburne.edu.au

Phone: 03 9214 3444





Comparison: Higher Education Aviation Options at Swinburne

Qantas / Swinburne Associate Degree of Aviation (must be accepted into the Qantas Cadet Pilot Program)

Qantas / Swinburne Bachelor of Aviation/Graduate Certificate (Qantas Cadet Pilot Program option)

Swinburne Bachelor of Aviation and / or Bachelor of Aviation / Bachelor of Business (Standard Swinburne Program)

Program	Duration	Academic Entry Requirements	Fee Type	Government Assistance Available (if eligible)	Included Flying Training	Tuition Fee/ Student Contribution Amount	Flight Training Costs	Additional Costs	Approx Total Costs	Upfront Costs after HECS and FEE-HELP ^e
Associate Degree (Qantas Cadet Pilot)	18 months	(Min Score 20) Units 3 & 4 English Unit 3 & 4 Further Maths	Tuition Fee	FEE-HELP	CPL (A) with 30hrs extra PIC, MCIR, MCC,frozen ATPL, G/T Type Rating	\$116,816	Included in Tuition Fee	\$13,184	\$130,000	\$48,400
Bachelor Degree/Graduate Certificate (Qantas Cadet Pilot)	3 years	(Min Score 20) Units 3 & 4 English Unit 3 & 4 Math Methods	Student Contribution Amount & Flight Training Tuition Fee	HECS-HELP for Student Contribution Amount Only FEE-HELP for Grad Cert unit fees	CPL (A) with 30hrs extra PIC, MCIR, MCC,frozen ATPL, G/T Type Rating	\$116,940	Included in the Tuition Fee	\$13,184	\$130,124 ^c	\$26,744
Bachelor Degree	3 years (single degree), (double degree 4 years)	(Min Score 20) Units 3 & 4 English Unit 3 & 4 Math Methods	Student Contribution Amount & Flight Training Tuition Fee	HECS-HELP for Student Contribution Amount Only	CPL (A), IR, frozen ATPL	\$21,780 ^d	\$70,430 ^a	\$5,924 ^a	\$98,134 ^{b,c}	\$5,924

Flight Training provided by General Flying Services at Moorabbin Airport

a) Flight Training is optional if undertaking Swinburne Bachelor of Aviation ie. not part of Qantas Cadet Pilot Program

b) Total costs are indicative if optional Flight Training undertaken as part of degree program. Extra qualifications can be undertaken such as MCC, Multi Eng Gas Turbine Rating and Flight Instructor rating.

c) Example provided is for CSP in bachelor degree only as most applicants will apply for CSP.

d) 2008 Student Contribution Amount used

e) 2008 FEE-HELP loan limit of \$81,600. Assumes FEE-HELP for Associate Degree of Aviation and Graduate Certificate of Aviation (Piloting),and HECS-HELP for Bachelor of Aviation.

The table is provided as an 'at a glance' summary for comparison of the Swinburne Aviation options available and should not be interpreted as the definitive total cost of the program. Fee information above is indicative only. Swinburne fees are reviewed annually and may be subject to change. Further supplementary fees may also apply due to price increases in industry specific costs such as fuel and CASA charges or additional flight training hours required by individuals to attain required standards.

This table should only be read with reference to the attached documentation for detailed explanation and understanding of the options available.