

### Admission requirements

Applicants for the Advanced Diploma in Aviation Studies are admitted on the basis of the following criteria:

- Completion of Year 12
- Mature Age entry also available
- An IELTS band width score of no less than 6.0 in any section (for overseas students)
- Successful completion of an aptitude test and interview

Applicants for the Bachelor of Science (Aviation) are subject to the normal undergraduate admission requirements for entry to Edith Cowan University. Possession of a WAAC Advanced Diploma in Aviation Studies meets the requirements.

### Advanced Diploma in Aviation Studies and Bachelor of Science (Aviation)

This dual qualification offers a Commercial Pilot Licence followed by a university degree. This will provide a very valuable set of skills for Commercial Pilots who aspire to further roles in aviation, such as management.

In addition to a Commercial Pilot Licence, the Advanced Diploma in Aviation Studies provides the graduate with the theory training required to hold an Air Transport Pilot Licence. This education greatly increases a graduate's employability, by providing career opportunities at all levels of aviation including major airlines. The Advanced Diploma course is conducted at the Western Australian Aviation College at Jandakot Airport, allowing students to be immersed in an aviation environment for the one-year duration of the course.

The Bachelor of Science (Aviation) Degree, provides further aviation theory training as well as the opportunity to study in another area distinct from aviation. This can provide career opportunities in a second field, which enhances a graduate's employability and provides an alternative path to aviation. In addition, ECU offers a series of work experience programmes for students who hold a Commercial Pilot Licence.

#### Course structure – Advanced Diploma in Aviation Studies

Unit title	Points
Fundamentals of Flight	3
Navigation and Meteorology	3
Commercial Pilot Licence 1	3
Aircraft Systems and Aerodynamics	3
Commercial Pilot Licence 2	3
Aviation Law	3
Heavy Aircraft Performance and Management	3
Advanced Aircraft Systems and Flight Planning	3

#### Course structure – Bachelor of Science (Aviation)

The Degree is divided into the following four areas taken over three years of full-time study:

- a fourteen-unit Major in Aviation,
- a six-unit Minor in a selected area,
- four Elective units

##### Aviation Units

- SCA1125 Fundamentals of Flight (WAAC graduates exempted)
- SCA1126 Light Aircraft Engines, Systems and Flight Rules (WAAC graduates exempted)
- SCA1227 Light Aircraft Performance (WAAC graduates exempted)
- SCA1208 Aviation Meteorology and Human Factors (WAAC graduates exempted)
- SCA2223 Advanced Aerodynamics and Jet Engines
- SCA2224 Aircraft Systems
- SCA2422 Instrument Flight
- SCY2105 Aviation Security
- MAT1194 Problem-Solving and Modelling for Aviation (WAAC graduates exempted)
- SCP1132 Introduction to Physics (WAAC graduates exempted)
- SCA3321 Professional Aeronautical Attitudes and Techniques
- SCA3412 Heavy Aircraft Performance
- SCA3200 Crew Resource Management
- SCA3612 Advanced Flight Planning

##### Minor Studies

Students must study six units in a discipline which can be selected from any faculty within the university. However, those most commonly chosen are:

- Business Studies
- Computer Science
- Chemistry
- Physics
- Mathematics
- Security

##### Elective Units

The elective units include Flying Training units. WAAC graduates will have completed most sections of the units, Flying Training One and Flying Training Two. Some may have even completed a third unit. Either a fourth Flying Training unit, or any other unit from within the university, can be chosen to complete the Elective requirements.

For more information about minors and elective units please visit [www.soem.ecu.edu.au/courses/aviation.html](http://www.soem.ecu.edu.au/courses/aviation.html)

contact details:

[www.waaviationcollege.com.au](http://www.waaviationcollege.com.au)

PH: +61 (8) 9417 7733 FAX: +61 (8) 9417 7766

[waacinfo@waaviationcollege.com.au](mailto:waacinfo@waaviationcollege.com.au)

41 Eagle Drive, Jandakot, Western Australia 6164



## Western Australia Aviation College Advanced Diploma in Aviation Studies and Bachelor of Science (Aviation)



### Advanced Diploma in Aviation Studies and Bachelor of Science (Aviation)

Aviation is both an exciting and challenging industry. Finding employment is competitive and the physical and psychological demands of a pilot are substantial. Many pilots progress into management roles later in their careers. Recognised training is essential and extensive experience vital.

The Western Australian Aviation College offers excellence in pilot training. Our students are a mix of school leavers and mature age students making the learning environment dynamic. Our graduates go on to pursue careers in airlines both domestic and overseas, Australian Defence Force, flight instruction, agriculture, fisheries, media, mining and other general charter roles.

Following our Advanced Diploma in Aviation graduates can continue their studies in aviation at Edith Cowan University, graduating with a Bachelor of Science (Aviation) Degree. Depending upon the selection of university units, these two highly recognised qualifications can be completed in only three years.

The initial theoretical and practical flying training (Advanced Diploma in Aviation) is completed at the college facilities at Jandakot Airport using specialists from the military and civil aviation industry. The Bachelor of Science (Aviation) degree, which is also taught by industry and education specialists, can then be studied at Edith Cowan University.



#### Combination Qualification

