

# Graduate Certificate in Aviation Medicine



Aviation is one of the fastest growing and most competitive industries, but with this growth has come a pressing need to ensure efficiency, and above all, safety and security in air transport systems. Air traffic controllers work in highly stressful environments, while pilots often work long hours and spend little time at home. Aviation practitioners play an invaluable role in improving safety by monitoring the health and physical state of aviation personnel and passengers.

The Graduate Certificate in Aviation Medicine has been developed for medical practitioners seeking certification to undertake medical examinations of pilots and air traffic controllers. This course is also relevant to practitioners involved in air transportation of patients.

Through a detailed study of the aviation environment, physiology, regulations and clinical principles and practice of aviation medicine, the Graduate Certificate aims to provide medical practitioners with the necessary knowledge and skills to provide safe medical assessment and clinical management for the flight environment. The standards of the International Civil Aviation Organisation are applied.

## Mode of study

This course has been designed for the busy clinician. The Graduate Certificate in Aviation Medicine is available through the flexibility of on-line distance education. Students will be provided with a comprehensive package of learning materials for each unit of study and will be able to contact lecturers by e-mail and telephone. There will be no requirements for students to attend courses on campus at ECU and examinations at the end of each semester will be conducted in regional locations.

## Admission criteria

The course is available to suitable applicants who hold a recognised university qualification in medicine. The status of overseas medical qualifications will be referred to the National Office of Overseas Skills Recognition if any doubt exists about suitability. Applications will be expected to be proficient in English and evidence of this will be sought if the applicant's undergraduate medical degree was taught in a language other than English.



## Course structure

The Graduate Certificate in Aviation Medicine comprises three units of study, usually undertaken over one or two semesters. Students will be able to adjust their pattern of study according to their professional commitments in this external on-line course.

## Units

### Aviation physiology

#### **AVM5102**

This unit will encompass a study of the aviation environment, and the effects of that environment on human physiology both in the individual in health and the individual with common medical conditions.

### Aircrew medical certification

#### **AVM5202**

This unit will examine the International Civil Aviation Organisations (ICAO) Standards and Recommended Practices for Aircrew and Air Traffic Controller Medical Certification. It includes clinical assessment and investigations to assess risk in medical certification and investigative procedures in accidents.

### Airline aviation medicine

#### **AVM5203**

This unit will cover aspects of industrial medicine and human factors that are associated with airline operations. It will consider occupational health and safety aspects which are peculiar to the industry as well as the issues which relate to the aerial transport of the sick and injured patient.

#### **For more information contact:**

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