

AEROSPACE AVIONICS



real

'I chose QUT because it is the only university that offers the Aerospace Avionics course. I like to examine the big picture and work within a team on projects. I hope to enter the project management side of the global aerospace industry.' DAMIAN LEONARD

a university for the **real** world®

AEROSPACE AVIONICS



© QUT 2005 Produced by QUT Publications 12394

WHAT IS AEROSPACE AVIONICS?

Aerospace Avionics Engineers perform and supervise the design, development, manufacture and maintenance work on the electronic systems of military and civilian aeroplanes, helicopters, spacecraft and satellites.

Aerospace Engineers repair, modify and test a range of electrical, electronics, radio communications and navigation system components. They also maintain, inspect and undertake fault diagnosis on aircraft equipment such as protection systems, autopilot, environmental control systems and radar and communication systems.

Aerospace Engineers are equipped to work in both airborne/space borne and ground-based electronic systems such as radar, communications and navigational aids such as Global Positioning Systems (GPS).

WHY CHOOSE AEROSPACE AVIONICS AT QUT?

Avionics at QUT is a unique course in Australia. You will learn about aerodynamics, aircraft control systems, avionics navigation and communication. In later years of the course, you can specialise in the design of aircraft and satellite systems including systems engineering methodology, aircraft and satellite technology.

Many of our teaching staff are involved in relevant research with government and industry sectors, ensuring the program is relevant to industry and giving you the opportunity to work on real projects during your studies.

The course has close links with relevant local and overseas industries. It meets the requirements for membership of Engineers Australia and the Institution of Radio and Electronics Engineers Australia. It is also professionally recognised by many international professional institutions.

IS AEROSPACE AVIONICS FOR YOU?

If you're interested in any of the following you may enjoy a career in Aerospace Avionics:

- How things work
- Space and flight
- Technology and electronics.

OTHER CAREERS TO CONSIDER

You may also like to consider a career in a related area, which may involve similar interests, such as Electronic Engineering, Mechanical Engineering and Computer Systems Engineering.

CAREER OUTCOMES

As an Aerospace Avionics graduate you will be involved in work at the leading edge of technology in an international industry. You may be employed by the RAAF, RAN and by government bodies such as the Defence Research Centres and the Civil Aviation Authority. There are also career opportunities with aerospace companies, aircraft maintenance and aeronautical consulting services. Opportunities outside aerospace also exist in electronics, process control, instrument manufacture and automotive equipment.

FURTHER INFORMATION

School of Engineering Systems
Faculty of Built Environment and Engineering
QUT Gardens Point Campus
GPO Box 2434
Brisbane QLD 4001

Phone 07 3864 1993

Fax 07 3864 1516

Email bee.enquiries@qut.edu.au

Website www.bee.qut.edu.au

CRICOS No.00213J

real possibilities