AVIATION AUSTRALIA

AIRCRAFT MAINTENANCE ENGINEERING TRAINING

EXCELLENCE IN AVIATION TRAINING
Since 2001, Aviation Australia has been providing world class aviation training that has created partnerships with over 150 industry organisations comprising airlines, aerospace companies, governments, defence forces and regulatory authorities.

Aviation Australia’s aircraft maintenance engineering courses provide you with the essential training required to begin your aviation career in aircraft maintenance. We deliver the essential pre-apprenticeship, underpinning vocational theory training towards the Certificate IV in Aeroskills (Mechanical or Avionics).

Our training is comprehensive, detailed and up-to-the-minute, ensuring that the outcomes obtained by our engineering graduates are recognised by the Civil Aviation Safety Authority (CASA) or the European Aviation Safety Agency (EASA).

Our instructors are highly experienced professionals, drawn from every area of the international aviation and aerospace industries. You will graduate from us apprenticeship ready with no requirement to return to Aviation Australia for further theory during your apprenticeship.

Technical Training Centre

Our state-of-the-art Technical Training Centre, located in the Brisbane International Airport precinct, features a world class hangar and a comprehensive range of aircraft. It’s the vital work in the hangar that gets any aircraft off the tarmac, keeps it flying and allows it to land safely again.

Engineering students train on fixed and rotary wing aircraft, using the latest training aides and equipment, ensuring the proper development of both theory and practical skills. Hands-on training in areas such as fault-finding and troubleshooting is carried out in a real-world environment, giving students an exceptional standard of training that sees them highly valued within Australia and abroad.

Choosing your pathway

Our aeroskills program offers you the chance to follow your natural interests and become a specialist in one of three areas. Whichever direction you choose, you can be sure you’ll receive the same outstanding level of training from experts in each field. All applicable training material, online and printed, as well as certification are included in the course.

Entry requirements for Certificate IV in Aeroskills

Age: 16 years or over.

Eligibility: Australian citizens or permanent residents of Australia living in Queensland, permanent residents of Australia living in Queensland that are New Zealand citizens and refugee and humanitarian visa holders living in Queensland.

Academic: Year 10 (or equivalent) completion of high school, preferably year 12, with evidence of studies in English, Mathematics and Physics. Successful completion of Aviation Australia’s Language, Literacy and Numeracy aptitude testing.

Duration: 7 to 11 months depending on trade plus an additional 3 years in the workplace under an apprenticeship arrangement.

Course delivery: Classroom based theory, online study and examinations, blended online and traditional classroom revision delivery and practical training using innovative training aides and a wide range of static aircraft.

Visit www.aviationaustralia.aero/engineering for start dates and fees.

Please note that course duration, start dates and fees are subject to change and depend on sufficient course numbers.
Becoming an Aircraft Maintenance Engineer

Certificate IV in Aeroskills - Mechanical
This specialisation is made-to-order if your passion is for probing the mechanics of engines and associated systems, except here, you’re learning to work on something slightly bigger than your average V8.

In undertaking this course, you will be trained in the skills needed to maintain jet engines, complex aircraft systems and electrical systems, including antiskid braking and undercarriage systems, cabin pressurisation, fuel and pneumatic components, flight controls, hydraulics and more.

Certificate IV in Aeroskills - Avionics
If your interests centre on computers, electronics and electrical control systems, then this is a natural choice for you, as aircraft avionics systems are amongst the most technologically sophisticated and advanced in the world.

Every new aircraft type that comes into service brings with it cutting-edge technology such as fly-by-wire, fly-by-light and even artificial intelligence, so this is a field of expertise where the tempo of change and discovery is dynamic. When you choose to specialise in Avionics you’ll find Aviation Australia’s training will put you right at that cutting-edge.

Depending on the trade stream that you choose, you may cover the following subjects:

- Mathematics
- Physics
- Electrical Fundamentals
- Electronic Fundamentals
- Digital Techniques
- Aircraft Materials and Hardware
- Maintenance Practices
- Aerodynamics
- Human Factors
- Aeroplane Aerodynamics, Structures and Systems
- Gas Turbine Engines
- Aircraft Aerodynamics, Structures and Avionics Systems
- Effective Leadership in Maintenance
- Environmentally Sustainable Work Practices
Course outcomes and AME career pathway

Aviation Australia’s aeroskills course represents the theoretical component of a first but vital step on the way to becoming a licensed aircraft maintenance engineer.

On successful completion, you will receive a Statement of Achievement towards a Certificate IV in Aeroskills with transcripts of academic results. This has the effect of reducing a four year engineering apprenticeship to three years and three months.

Employment opportunities

In order to best support students in their search for employment within the aviation industry, Aviation Australia’s Employment Services team are available on a full time basis to assist with all aspects of a job application, from the preparation of cover letters and resumes through to interview techniques and personal presentation.

Maximising opportunity for graduate employment, the Employment Services team maintain relationships with key contacts in the aviation industry and advise students of upcoming vacancies in their desired field of employment. Aviation Australia is dedicated to supporting the development of the next generation of aviation professionals, with our graduates being highly successful in securing employment in the aviation industry and in many cases, going on to lead thriving careers.