

Becoming an  
**Aircraft Maintenance  
Engineer**



**11064NAT / 11065NAT**  
**- Diploma of Aircraft  
Maintenance Engineering**

CRICOS Course Codes: 110041J (B1) / 110042H (B2)

# Aviation Australia Training with Industry Leaders

Aviation Australia is a world class, registered training organisation, established by the Queensland State Government in 2001 to support the development and growth of aviation and aerospace industries in both the Australian and International markets. As the largest aircraft maintenance training organisation in Australia, our technical training facilities feature fully operational hangars and workshops equipped with a comprehensive range of training aircraft, training equipment, and a flight simulator

All Aviation Australia programs are designed with a balanced focus between knowledge, skills, values, and experience, ensuring that graduates enter employment with strong skills and a thorough understanding of aviation quality, safety, and environmental standards. Aviation Australia are committed to delivering quality, flexible and cost-effective accredited training to individuals and companies.

## Core Capabilities Include:



Aircraft Maintenance  
Engineering Training



Cabin Crew /  
Flight Safety Training



Pilot Training



Remote Pilot Training



Aviation Consultancy

## Approvals:

- ✓ Registered Training Organisation (RTO) 30770
- ✓ Registered CRICOS Provider 02425C
- ✓ EASA Part 147 Maintenance Training Organisation
- ✓ CASR Part 147 Maintenance Training Organisation
- ✓ CASA CAR 30 Approved Maintenance Organisation
- ✓ CASR Part 141 Flight Training Organisation
- ✓ CASR Part 142 Flight Training Organisation

## Diploma of Aircraft Maintenance Engineering

- TB1 (11064NAT) / TB2 (11065NAT)
- CRICOS Course Codes : 110041J / 110042H

Kick-start your career with an Internationally recognised qualification in Aircraft Maintenance Engineering.

Our diploma courses are European Union Aviation Safety Agency (EASA) accredited and the first step in your journey to a career as a Licenced Aircraft Maintenance Engineer (LAME).

An EASA Certificate of Recognition is highly regarded by airlines and Maintenance Repair Organisations (MROs) all over the world.

We provide training specialisation to suit your personality and career goals. You can choose to specialise in either Mechanical or Avionics or complete both for a double diploma. By studying either of these courses, your practical maintenance experience requirement to achieve your licence is reduced from a minimum of 5 years to a minimum of 2 years.

## Your EASA Licence

**The European Union Aviation Safety Agency (EASA) licence - your gateway to the world.**

EASA is an agency of the European Union (EU) with responsibility for civil aviation safety. It carries out certification, regulation and standardisation and also performs investigation and monitoring.

The EASA Part 66 licence is one of the most widely recognised licences for **Aircraft Maintenance Engineers** in the world. EASA licence holders are recognised by major global airlines for their training and ability to perform complex maintenance tasks, as EASA Part 147 training organisations are closely monitored for quality in course materials and delivery.

With EASA Part 147 training, your career is secure.



# Why study to become an Aircraft Maintenance Engineer?

An Aircraft Maintenance Engineer's fundamental purpose is to ensure aircraft are safe and airworthy to fly. No aircraft takes off without being certified to do so by an engineer.

Being one of the most crucial roles when it comes to the safety and viability of the aviation industry, an Aircraft Maintenance Engineer is a role people don't often think about.

If you enjoy finding practical solutions to complex problems and knowing how things work, then this might be the career path for you.

Learning about the technology behind the aircraft systems and having the ability to fix them makes for a fascinating and rewarding career.

## Aviation Australia offers the following Aircraft Maintenance Engineering course options:

### Diploma of Aircraft Maintenance Engineering - Mechanical

(TB1) 11064NAT  
CRICOS Code: 110041J

**Theory Training:** 1260 hours  
**Practical Training:** 1176 hours

### Diploma of Aircraft Maintenance Engineering - Avionics

(TB2) 11065NAT  
CRICOS Code: 110042H

**Theory Training:** 1327 hours  
**Practical Training:** 1104 hours

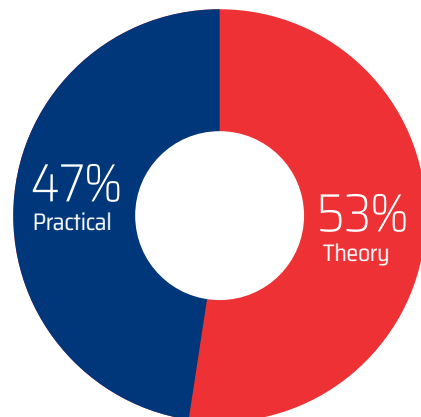
## Entry requirements

DIPLOMA OF AIRCRAFT MAINTENANCE ENGINEERING	
AGE	Minimum 17 years of age during the time of application
ACADEMIC	Applicants must provide evidence of completion of Year 12 or equivalent, with a pass in Mathematics (at minimum Year 10 or equivalent). Refer to our website for equivalent qualifications.
ENGLISH	An overall score of at least 6.0, with a minimum score of 5.5 for each of the 4 sub-band. Testing must have been completed within 2 years from the enrolment application date. Refer to our website for equivalent English tests.
VISA REQUIREMENTS	Student Visa* *Please visit <a href="http://immi.homeaffairs.gov.au">immi.homeaffairs.gov.au</a> for more information.
START DATES AND FEES	Intake dates vary. For more information, visit our website here: <a href="http://aviationaustralia.aero">aviationaustralia.aero</a>

## Career Benefits

- ✓ Well paid job outcomes for a global qualification, especially if you become licenced
- ✓ Stable career with job security as Aircraft Engineers are in demand worldwide
- ✓ Work anywhere in the world\*
- ✓ Career growth opportunities as there is always something new to learn in this industry
- ✓ Opportunities for travel are plentiful
- ✓ Work with the latest technology
- ✓ Use hands-on skills
- ✓ Work in a team environment

\*Subject to visa requirements and local legislation



# How the course works

Students can choose either Mechanical Engineering (TB1) or Avionics (TB2). Our courses include the opportunity to complete a Diploma level qualification and head into the aviation industry or continue to a University degree.

## Diploma of Aircraft Maintenance Engineering

### Types of Aircraft Maintenance Engineers

#### Mechanical

Mechanical engineers work on aircraft engines and aircraft systems such as:

- ✓ Aircraft Structures
- ✓ Pressurisation Systems
- ✓ Electrical Power Systems
- ✓ Flight Control Systems
- ✓ Fuel Systems
- ✓ Hydraulic Systems
- ✓ Landing Gear
- ✓ Gas Turbine and Propellers
- ✓ Engine Starting Systems

#### Avionics

Avionics engineers work with complex computer technology which involves high-tech equipment such as:

- ✓ Autopilot Systems
- ✓ Communication Systems
- ✓ Electrical Power Systems
- ✓ Flight Controls - fly by wire
- ✓ Navigation Systems
- ✓ In Flight Entertainment Systems
- ✓ Aircraft Lighting Systems
- ✓ Electronic Engine Control Systems
- ✓ Engine Indication Systems

Modules	TB1 MECHANICAL	TB2 AVIONICS
1 Mathematics	✓	✓
2 Physics	✓	✓
3 Electrical Fundamentals	✓	✓
4 Electronics Fundamentals	✓	✓
5 Digital Techniques/Electronic Instrument Systems	✓	✓
6 Materials and Hardware	✓	✓
7 Maintenance Practices	✓	✓
8 Basic Aerodynamics	✓	✓
9 Human Factors	✓	✓
10 Aviation Legislation	✓	✓
11 Turbine Aircraft Aerodynamics, Structures and Systems	✓	
13 Aircraft Aerodynamics, Structures and Systems		✓
14 Propulsion		✓
15 Gas Turbine Engine	✓	
17 Propeller	✓	

### Optional add-ons:

- ✓ TB2 Avionics Theory Upgrade (self-study)
- ✓ TB2 Avionics Extension Course (available on successful completion for TB1.1 course, subject to availability)

### Your Course Outcomes

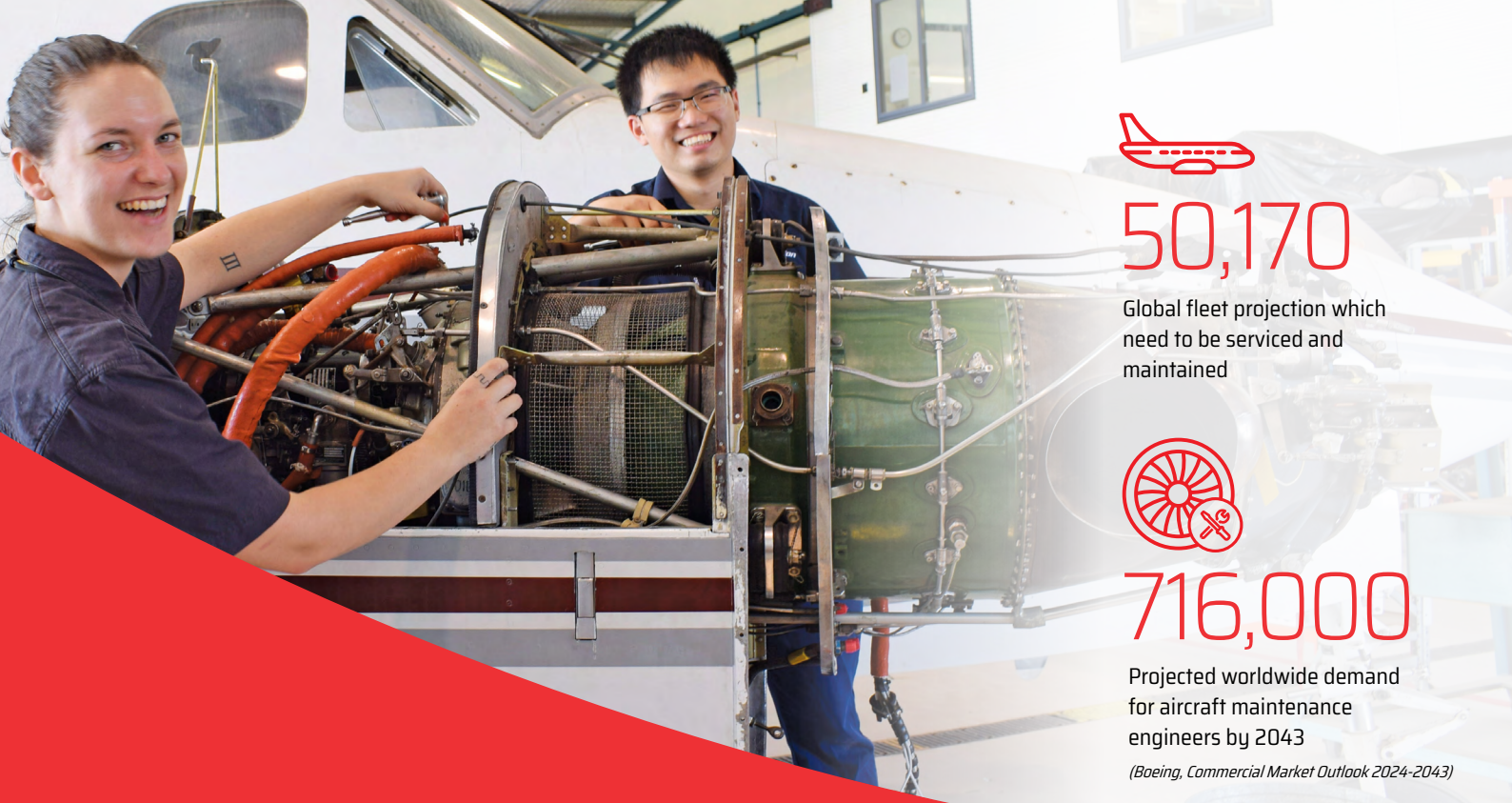
The course runs over 90 weeks and upon successful completion, students receive:

- ✓ **An EASA Certificate of Recognition**  
An EASA Certificate of Recognition is highly regarded by airlines and Maintenance Repair Organisations (MROs) all over the world. A 90% attendance rate and 75% pass rate in each subject plus successful completion of 10 practical assessments is required to be awarded the CoR.
- ✓ **Diploma of Aircraft Maintenance Engineering**  
An Australian Diploma level qualification is highly regarded by education institutes all over the world. Successful completion of the mapped competency assessment events for the diploma competencies are required.

Successful diploma graduates have the option of undertaking further study at the bachelor degree level.

### University Degree Options

Progress into an Undergraduate Program with one of Aviation Australia's Partnered Universities



50,170

Global fleet projection which need to be serviced and maintained



716,000

Projected worldwide demand for aircraft maintenance engineers by 2043

*(Boeing, Commercial Market Outlook 2024-2043)*

# Career Pathways

STEP 1

Successfully complete Diploma of Aircraft Maintenance Engineering course.

STEP 2

**Industry Pathway**

**University Pathway**

2 years of on the job training in an Approved Maintenance Organisation

18 months University Degree Options

Apply for the EASA Part 66 Licence via an approved National Aviation Authority (NAA) under the EASA framework

Secure a career across a number of industries including aviation, energy, transportation, manufacturing, process, construction, mining, education

Work as a Licensed Aircraft Maintenance Engineer in an Airline, MRO, General Aviation or organisations providing aviation services

Job opportunities across these industries include Maintenance Planner, Maintenance Coordinator, Quality Assurance, Management Roles with International Airlines, Aircraft Manufacturers, Defence Industries and organisations providing aviation maintenance and repair

# Campuses & Training Aids

## Brisbane

Aviation Australia's main campus is situated within the Brisbane Airport Precinct, you can see planes take off and land all day every day.

### Brisbane Technical Training Centre

Aviation Australia's Technical Training Centre features a fully operational hangar with a wide range of static aircraft and an industry standard operating environment.

### The Technical Training Centre also features:

- Sheet metal workshop
- Avionics workshop
- Composite workshop
- Hydraulic systems workshop
- Certified spray painting boot
- On-campus hangar store

### Here's a list of some of the aircraft equipment:

- Fokker F28
- MD-82's
- Beechcraft Kingair
- Piper Navajo
- Robinson R44
- Sikorsky S-76
- B737-NG Flight Simulator (with full systems training schematics) - Used for engine ground runs and maintenance tasks
- Rolls Royce - RB211 x 3 (Turbine engine) - B747-300/400
- Pratt & Whitney JT9D (Turbine engine) - B747
- Pratt & Whitney JT8 (Turbine engine) - B707
- Rolls Royce - Spey (Turbine engine) - F28
- Avionics troubleshooting trainer

"Everyone here has been so accepting and friendly, not to mention helpful. Australia is an awesome place to study and live in."

MAHIRAH AZMAN Malaysia

"I loved studying in Brisbane where there is no winter and the city is a great place to hang out, outside of school."

AHMED NAFIZ Maldives





# Study abroad?

## Why study in Australia?

Australia is a great place to live and learn. Our cities and towns offer safe, friendly and welcoming communities.

International students from all over the world are welcomed by Australia's friendly, vibrant and multicultural communities.

- Australia's culturally diverse communities make it a special place to live. Almost a third of the population was born overseas and 23 per cent speak a language other than English at home.
- When you study in Australia, you will also join a vibrant international student community. More than half a million international students from 192 countries choose to study in Australia.
- From the moment you arrive in Australia, you can expect to feel welcome. There are student welcome services at every international airport to help you find your way around your new home.

### A safe place to live and study

Australia is a popular destination for international students because of its reputation as a safe place to live and study.

### Food to suit every taste

Whether you're looking for a taste of home or you want to try something new you will be spoilt for choice in Australia.

- Thanks to Australia's diverse, multicultural population and clean, green environments, our food scene is thriving.
- Australia enjoys a rich variety of food from around the world. You can find almost every international cuisine in restaurants, cafés, takeaway eateries and hotels across the country.
- During your stay, you will also have plenty of opportunities to try traditional Aussie foods like Vegemite, ANZAC biscuits, Tim Tams, and Lamingtons.

# Student Support

Our Student Services team and Student Program Coordinators team is there for you from the moment you enrol to graduation.

## They can help you settle into life at Aviation Australia by helping you:

- ✓ Provide suitable accommodation options or resolve a rental issue
- ✓ Get around town and use public transport
- ✓ With Overseas Student Health Cover (OSHC)
- ✓ Find a doctor when you're feeling unwell
- ✓ Balance your training schedule with your lifestyle and commitments
- ✓ Resolve issues or concerns with other staff or students
- ✓ Manage non-academic processes and pastoral needs

## The Student Services team also:

- ✓ Hosts welcome and orientation programs
- ✓ Supports students who are under 18 years old
- ✓ Promotes recreational and well-being activities

## The Student Program Coordinators also assist with, but not limited to:






- ✓ Academic Progress Interviews
- ✓ Academic support plans
- ✓ Tutoring program
- ✓ Accessing learning support
- ✓ Developing study skills
- ✓ Student voice surveys
- ✓ Attendance / Absences reviews
- ✓ Changes to enrolment
- ✓ Job Readiness.

# How to enrol

- 01 Contact your nearest Aviation Australia Registered Partner to assist you with your application. Their services include providing education on the course and outcomes, certifying application documents, and supporting your application as it progresses to enrolment.
- 02 Complete and submit the International Student Application Form to Aviation Australia.
- 03 Aviation Australia will review your application and, if accepted, you will receive a Letter of Offer (this may be conditional).
- 04 Read and accept your Letter of Offer and make payment of the course deposit fee/s.
- 05 Receive your Confirmation of Enrolment (CoE) and other enrolment documentation and apply for your student visa.
- 06 Commence your course with Aviation Australia (subject to visa approval).



## Contact Australia

-  /AviationAustralia
-  AviationAust
-  +61 (0) 7 3860 0900
-  customerexperience@aviationaustralia.aero
-  aviationaustralia.aero



Still have questions?  
Check out our frequently  
asked questions

RTO NO. 30770  
CRICOS NO. 02425C

