

Becoming an Aircraft Maintenance Engineer



Queensland Pre-Apprenticeship Courses

MEA40618 - Certificate IV in Aeroskills (Avionics)
MEA40718 - Certificate IV in Aeroskills (Mechanical)
MEA41322 - Certificate IV in Aeroskills (Structures)

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.

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.

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.

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

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 fixing them makes for a fascinating and rewarding career.

Benefits

- ✔ Well paid job outcomes for a global qualification, especially if you become licensed
- ✔ Stable career with job security as Aircraft Engineers are in demand worldwide
- ✔ 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



Entry Requirement

✔ Age:

Minimum 16 years of age.

✔ Academic:

Minimum Australian Year 10 (or equivalent) with Grade C or above in English, Maths and Physics. Alternatively successful completion of Aviation Australia's Basic Key Skills Builder aptitude testing.

✔ Eligibility:

Australian citizens or permanent residents of Australia living in Queensland, including New Zealand citizens, refugees or humanitarian visa holders.

KEY INFORMATION

- ✔ Theory component approximately 10-11 months
- ✔ Full time on campus, minimum 5 hour self-study required weekly
- ✔ Aviation Australia will deliver the underpinning theory only
- ✔ Practical component typically takes 3-4 years in the industry via an apprenticeship

LOCATIONS

- ✔ 25 Boronia Road, Brisbane Airport, QLD 4008
- ✔ 1 Tom McDonald Drive, Cairns Airport, QLD 4870

FUNDING

Queensland government funding is available for eligible students. Please see Aviation Australia's website for upcoming dates and costs.

For further information, please contact us, or speak with your VET coordinator or Industry Liaison Officer.

How to become an Aircraft Maintenance Engineer

Aviation Australia's pre-apprenticeship aircraft maintenance engineering courses provide you with the essential training required to begin your aviation career. Our instructors are highly experienced professionals with backgrounds in Civil and Defence aviation. Students will undertake the essential theory training towards the Certificate IV in Aeroskills **Avionics**, **Mechanical** or combined **Mechanical/Structures**. Theory is aligned to the CASR Part 66 basic knowledge syllabus and all examinations meet the CASR Part 66 requirements.

Certificate IV in Aeroskills

Theory Component 10-11 months

Choose between three trades:

MEA40618 Certificate IV in Aeroskills (Avionics)

Avionics is a continually evolving specialisation. Modern aircraft incorporate cutting-edge technology. If you choose the avionics stream, you will learn the skills required to maintain and service complex aircraft electrical, radio, instrument and navigation systems.

MEA40718 Certificate IV in Aeroskills (Mechanical)

If you choose the mechanical stream, you will gain the knowledge and skills to maintain jet engines, transmission systems, brake and undercarriage systems, structural components, cabin pressurisation, fuel system components, flight controls, hydraulics and much more. There are pathways available for both rotary and fixed-wing aircraft.

MEA41322 Certificate IV in Aeroskills (Structures)

This is a hybrid course that covers the full elements of the mechanical trade stream plus elective units from the structures trade stream. This is the perfect course if your passion is to understand and explore the mechanics of engines and aircraft systems, as well as maintaining aircraft structural integrity.

Modules

		AVIONICS	MECHANICAL	STRUCTURES
1	Mathematics			
2	Physics			
3	Electrical Fundamentals			
4	Electronics Fundamentals			
5	Digital Techniques/Electronic Instrument Systems			
6	Aircraft Materials & Hardware			
7	Maintenance Practices			
8	Aerodynamics			
11	Aeroplane Aerodynamics, Structures & Systems			
13	Aircraft Structures & Systems			
14	Propulsion - Avionic Systems			
15	Gas Turbine Engine			
17	Propeller			

On successful completion, you will receive a Record of Results for the theory components towards a Certificate IV in Aeroskills and a CASR Part 147 Certificate of Recognition and Examination Record showing your CASR Part 66 examination results.

Practical/Apprenticeship Component Typically 3-4 Years

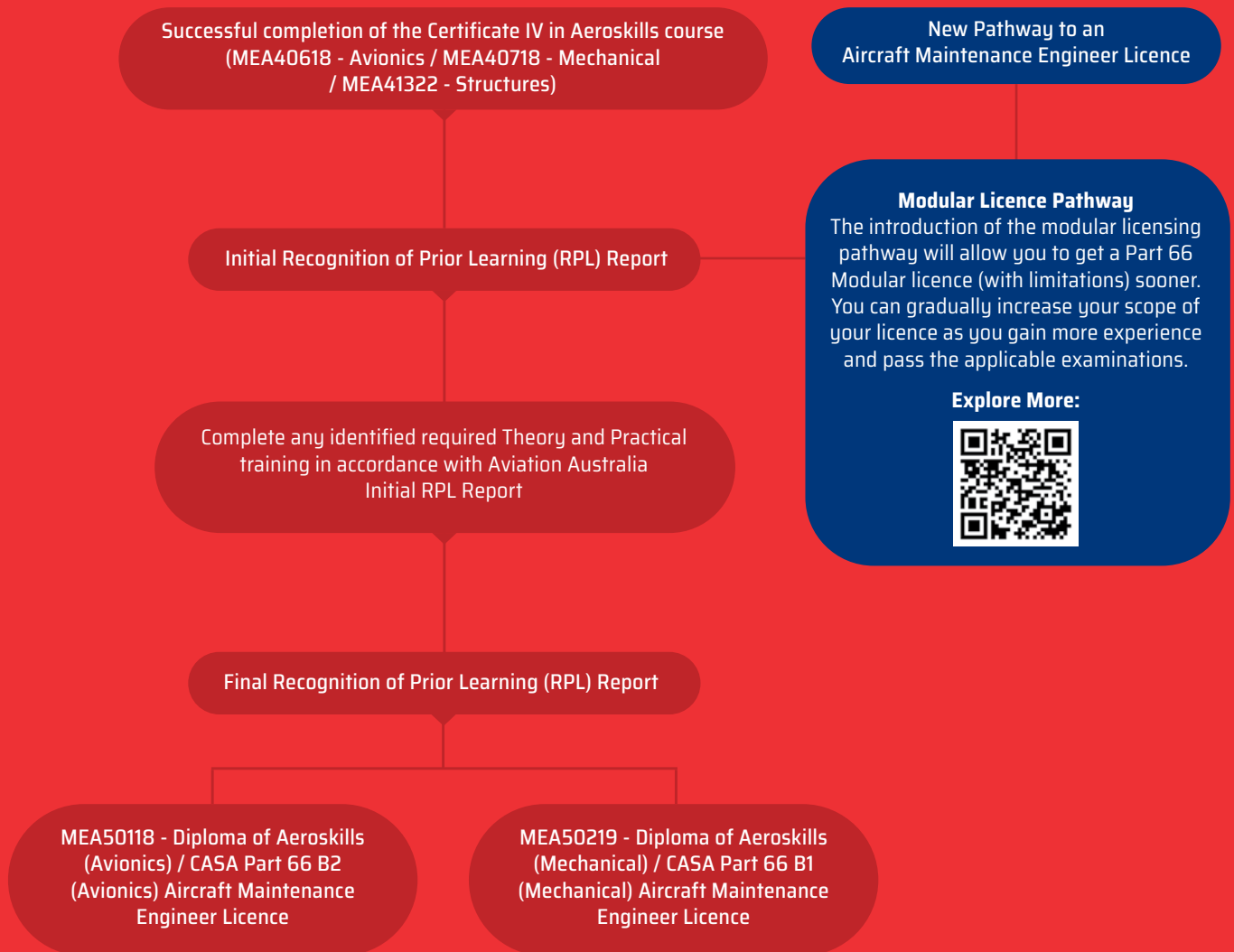
Enrol with an AASN* provider to commence apprenticeship towards initial Aircraft Maintenance Engineer qualification. Industry experience and on the job practical training recorded in a journal of experience supplied by Aviation Australia towards AME outcomes.

Aircraft Maintenance Engineer (AME) Certificate IV in Aeroskills

*AASN - Australian Apprentice Support Network Provider
(e.g. MEGT, Busy at Work etc.)



How to become a Licensed Aircraft Maintenance Engineer (LAME) through Aviation Australia



How to enrol

- 01 Visit the Aviation Australia website and enquire or contact us
- 02 Complete Aviation Australia's pre-enrolment and eligibility screening
- 03 If successful, enrol online and pay deposit
- 04 Commence your study

Contact Us

- AviationAustralia
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- AviationAust
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- customerexperience@aviationaustralia.aero
- aviationaustralia.aero



Queensland
Government



RTO No. 30770
CRICOS No. 02425C

