AIRCRAFT MAINTENANCE ENGINEERING TRAINING

CERTIFICATE IV IN AEROSKILLS (AVIONICS) - MEA40618
CERTIFICATE IV IN AEROSKILLS (MECHANICAL) - MEA40718
About Aviation Australia

An education organisation specialising in aviation training.

Aviation Australia is a renowned, 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.

Located in Brisbane, Cairns, Essendon and Jandakot, Aviation Australia is the largest maintenance engineering training provider in the Southern Hemisphere. The company’s state-of-the-art technical training facilities feature world class hangars and a comprehensive range of workshops, training aids, aircraft and simulators.

Aviation Australia’s aircraft maintenance engineering courses provide you with the essential training required to begin your aviation career in aircraft maintenance. Our instructors are highly experienced professionals, from Commercial and Defence aviation and aerospace industries.

Students will undertake the essential pre-apprenticeship, vocational theory training which goes towards the Certificate IV in Aeroskills (Avionics or Mechanical), with the mechanical stream offering fixed wing, rotary wing and structures pathway options.

The course delivery is tailored to also meet the CASR Part 66 basic knowledge syllabus. This delivery method ensures all examinations meet the CASR Part 66 requirements. If these modular examinations are passes, as per CASA regulatory requirements (75% or above), this gives the graduates several credits towards the application of an Aircraft Maintenance Engineer Licence in the future. The course is designed so graduating students will leave apprenticeship ready.

Pathway to becoming a Licenced Aircraft Maintenance Engineer

**AVIATION INDUSTRY EXPERIENCE (UNLICENSED)**

Towards initial Aircraft Maintenance Engineer qualification

**Duration:** approx. 3 years

Aviation industry experience and on the job practical training recorded in a journal of experience supplied by Aviation Australia towards the AME qualification.

**APPRENTICESHIP MANAGEMENT**

Enrol with an AASN* provider to commence apprenticeship. After notification, apprentice is managed by Aviation Australia.

**AVIATION INDUSTRY EXPERIENCE (LICENSED)**

Towards category Aircraft Maintenance Engineer Licence

**Duration:** up to two years depending on the trade stream (B1 – Mechanical or B2 – Avionics).

Further theory and practical training in order to achieve a basic category Aircraft Maintenance Engineer’s Licence. Individuals must complete the outstanding theory (CASA part 66 examination) and practical components in their relevant stream (B1 or B2).

**TRAINEESHIP MANAGEMENT**

On completion of an apprenticeship, enrol with an AASN* into a Traineeship for the Licenced Aircraft Maintenance Engineer (LAME) outcome with Aviation Australia.

**THEORY COMPONENT**

Towards Aircraft Maintenance Engineer (LAME)

**Duration:** approx. 11 months (depending on trade)

Successful completion of theory training allows credit towards the duration of on the job practical training.

**STATEMENT OF RESULTS**

Issued by Aviation Australia. Accredited towards an AME qualification if examination results achieved are 75% or greater.

**LICENCED AIRCRAFT MAINTENANCE ENGINEER**

Licence issued by CASA.

WE’VE TRAINED OVER 40,000 AVIATION PERSONNEL

WE’VE WORKED WITH OVER 150 CUSTOMERS WORLDWIDE

*AASN - Australian Apprentice Support Network Provider (eg MEGT, Busy at Work, etc)
Aeroskills training is your pathway to becoming an aircraft maintenance engineer

Choose between two pathways:

**Certificate IV in Aeroskills (Avionics) MEA40618**

**Theory - 11 months approximately**

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

**Certificate IV in Aeroskills (Mechanical) MEA40718**

**Theory - 10 months approximately**

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

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**COURSE MODULES**

- **MATHEMATICS**
- **PHYSICS**
- **ELECTRICAL FUNDAMENTALS**
- **ELECTRONIC FUNDAMENTALS**
- **DIGITAL TECHNIQUES/ ELECTRONIC INSTRUMENT SYSTEMS**
- **MATERIALS AND HARDWARE**
- **MAINTENANCE PRACTICES**
- **BASIC AERODYNAMICS**
- **EFFECTIVE LEADERSHIP**
- **ENVIRONMENTALLY SUSTAINABLE WORK PRACTICES**
- **AEROPLANE AERODYNAMICS, STRUCTURES & SYSTEMS**
- **HELICOPTER AERODYNAMICS, STRUCTURES AND SYSTEMS**
- **AIRCRAFT STRUCTURES AND SYSTEMS**
- **PROPULSION**
- **GAS TURBINE ENGINE**
- **PISTON ENGINE**
- **PROPELLER**

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**COURSE OUTCOMES**

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 showing your CASR Part 66 examination passes (for examinations passed at 75% or above).
WITH AVIATION AUSTRALIA, THE WORLD IS AT YOUR FEET...

Aviation Australia is dedicated to supporting the development of the next generation of aviation professionals. Our Employment Services team is available to guide you through all aspects of a job application, from the preparation of cover letters and resumes through to interview techniques and personal presentation. They have developed strong relationships in the aviation industry to be able to notify you of relevant job vacancies and maximise your opportunity for graduate employment.

AEROSKILLS ENTRY REQUIREMENTS

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<tr>
<th>Age</th>
<th>Minimum 16 years of age</th>
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<tr>
<td>Academic</td>
<td>Minimum Australian Year 10 (or equivalent) completion of high school, with a pass in English, Mathematics and Physics. Successful completion of Aviation Australia’s Language, Literacy and Numeracy aptitude testing.</td>
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<td>Eligibility</td>
<td>Australian citizens or permanent residents of Australia living in Queensland, including New Zealand citizens or refugees or humanitarian visa holders living in Queensland.</td>
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<tr>
<td>Start dates and fee</td>
<td>Please see Aviation Australia’s website for fees and upcoming course dates. (Queensland Government Funding may be available for eligible students.)</td>
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Please note that course duration, start dates and fees are subject to change and depend on government funding, sufficient course numbers and regulatory compliance.