



Careers in manufacturing: aeroskills

Aeroskills specialisations

This information sheet covers the following specialisations within the aeroskills sector:

- Aeronautical engineers
- Licensed aircraft maintenance engineers (LAMEs)
- Aircraft maintenance managers.

Aeronautical engineer

Aeronautical engineers perform and supervise the design, development, manufacture and maintenance work on all types of flight vehicles, including military and civilian aeroplanes, helicopters, missiles, launch vehicles, spacecraft and satellites, and control and guidance systems.

Specialisations:

- Aeronautical engineering officer (Navy)
- Aerospace engineer
- Aerospace engineer officer - aeronautical (Air Force)
- Aerospace engineer officer - armament (Air Force)
- Aerospace engineer officer - electronics (Air Force)
- Avionics systems engineer
- Weapons aeronautical engineering officer (Navy)

Relevant qualifications:

- Degree

Licensed aircraft maintenance engineer (LAME)

Licensed aircraft maintenance engineers (LAMEs) work at a senior level of aircraft engineering maintenance. Under new Civil Aviation Safety Authority (CASA) arrangements, LAMEs hold Civil Aviation Safety Regulation (CASR) Part 66 Licences at B1 or B2 level in either mechanical or avionics (which can be achieved by completing a Diploma of Aeroskills).

Although the majority of aircraft engineering maintenance might be carried out by aircraft maintenance engineers (trade-level AMEs) and various other aviation maintenance workers, it is the LAME who is responsible for 'signing off' on completion of all aircraft maintenance, routine or emergency, certifying the aircraft is suitable for return to service.

LAMEs can specialise in either avionics or mechanical technical areas. To become a LAME you can complete a Diploma of Aeroskills (Mechanical or Avionics) which provides a qualification pathway to the new CASR Part 66 B Licence (B1 or B2).

Note that the Certificate II in Aircraft Line Maintenance provides a qualification pathway to the new lower-level CASR Part 66 A Licence.

Of course, with further training and experience you might progress from LAME to work in occupations such as Aircraft Maintenance Manager (Diploma or Advanced Diploma qualifications are available), aerospace paraprofessional roles (Diploma or Advanced Diploma), Aerospace Engineer (Degree) or Aeronautical Engineer (Degree) and you can continue to progress along a career pathway that could see you in many senior management positions.

Relevant qualifications:

- Certificate II in Aircraft Line Maintenance
- Diploma of Aeroskills

Aircraft maintenance manager

At Diploma level, aircraft maintenance managers may work in both the civil and Australian Defence Force (ADF) regulatory environments in the avionics or mechanical fields, in jobs such as mechanical maintenance team leaders, maintenance planners, spares assessors, repairable item managers and technical authors.

At Advanced Diploma level, aviation maintenance managers may work in managerial positions in both the civil and ADF regulatory environments in the avionics or mechanical areas in the fields of mechanical maintenance management and integrated logistic support (ILS).

Relevant qualification:

- Diploma of Aviation Maintenance Management (Avionics) or (Mechanical)
- Advanced Diploma of Aviation Maintenance Management (Avionics) or (Mechanical)

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