

AIRCRAFT MAINTENANCE

Diploma of Aeroskills



ABOUT THIS COURSE

Aircraft Maintenance Engineer training is conducted by ICAT Aviation College and is approved by the Australian Civil Aviation Safety Authority (CASA) under Part 147.

Aircraft Maintenance Engineers carry out the important process of repairing, maintaining and releasing aircraft to fly safely.

The ICAT aeroskills double diploma comprehensively delivers theory and handskill training for both the avionics and mechanical majors. (Optionally, students can request to undertake a single diploma in either major.)

Avionics Aircraft Maintenance Engineers carry out examinations, maintenance and repairs of the electrical components of aircraft such as on board computers, radio, radar and GPS directional equipment.

Mechanical Aircraft Maintenance Engineers predominantly carry out examinations, maintenance and repairs of the mechanical components of aircraft such as gas turbine jet and piston engines, frames, hydraulic, pneumatic, fuel and other associated systems.

ICAT is equipped with professional aircraft engineering tools, a wide range of industry mechanical, electronic training aids and supplies as well as fully operational aircraft (Cessna 175) and Lycoming aircraft engine.

Training activities include formal theory training and assessments aligned to CASA Part 147 modules, basic hand-skills & workshops to learn about aircraft mechanical and electrical components and systems, hydraulics, pneumatics, fabrication and using professional aviation tools.

CAREER OUTCOMES

Graduates of this course have the training required to gain employment as an aircraft maintenance engineer [AME].

As our course is 147 approved, training can also be used as credit toward a AME licence, when combined with the required work experience.

Course Code

MEA50118 / MEA50218
098983A / 096949G

Duration

104 weeks (approx)

Units of Competency

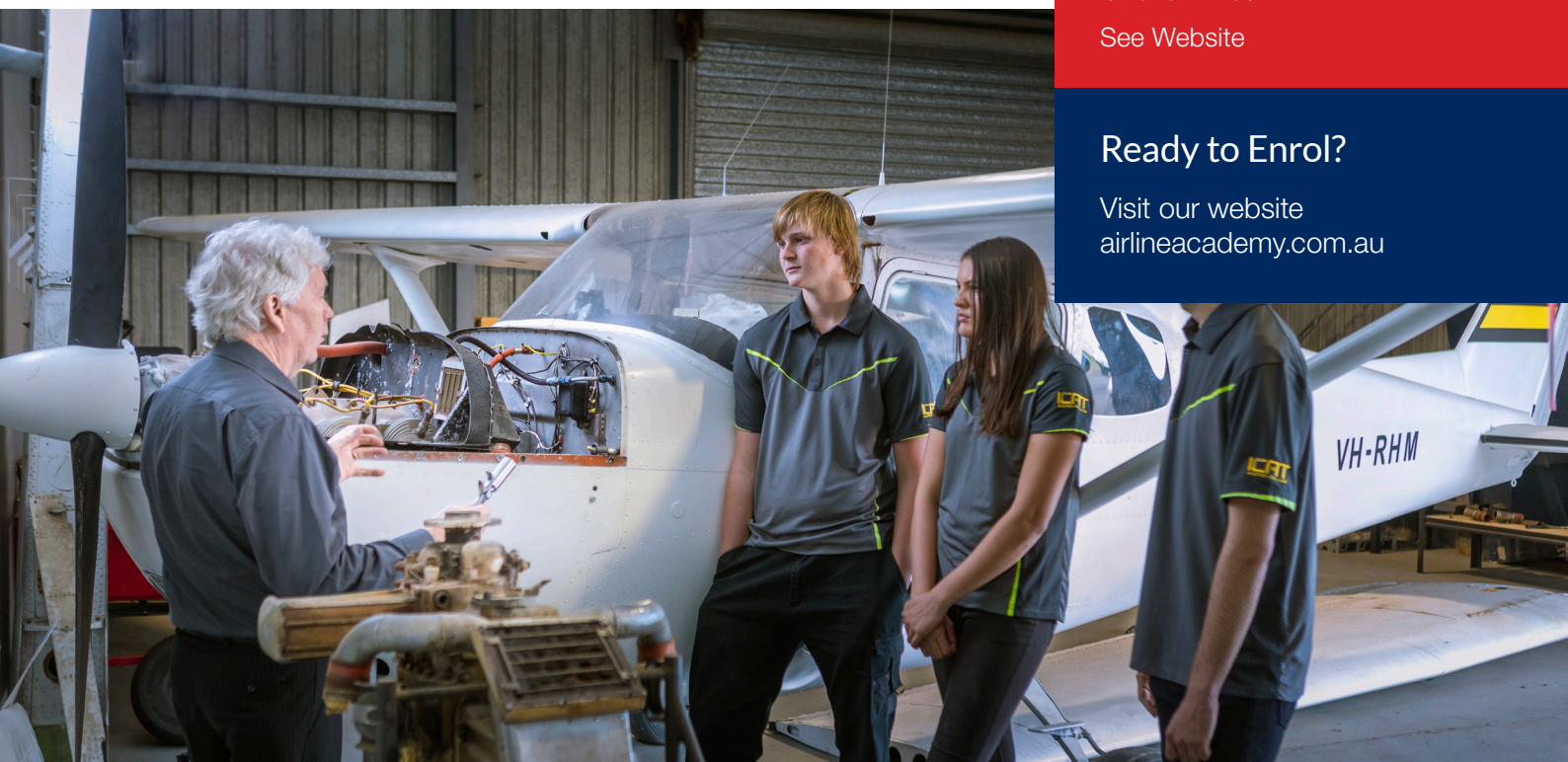
33 / 28 units
Avionics / Mechanical

Course cost

See Website

Ready to Enrol?

Visit our website
airlineacademy.com.au



UNITS OF COMPETENCY

CODE	NAME
MEA101	Interpret work health and safety practices in aviation maintenance
MEA103	Plan and organise aviation maintenance work activities
MEA105	Apply quality standards applicable to aviation maintenance processes
MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA108	Complete aviation maintenance industry documentation
MEA109	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
MEA111	Perform aircraft maintenance administrative processes
MEA112	Plan and implement civil aircraft maintenance activities
MEA113	Supervise civil aircraft maintenance activities and manage HR
MEA116	Apply work health and safety procedures at supervisor level
MEA142	Manage self in the aviation maintenance environment
MEA118	Conduct self in the aviation maintenance environment
MEA148	Apply mathematics and physics in aviation maintenance
MEA201	Remove and install miscellaneous aircraft electrical hardware/ components
MEA203	Remove and install advanced aircraft electrical system components
MEA205	Remove and install advanced aircraft instrument system components
MEA206	Remove and install aircraft basic radio communication and navigation systems
MEA207	Remove and install aircraft electronic system components
MEA223	Inspect aircraft electrical systems and components
MEA224	Inspect aircraft instrument systems and components
MEA225	Inspect fixed wing aircraft automatic flight control systems
MEA226	Inspect aircraft electronic systems and components
MEA227	Test and troubleshoot aircraft electrical systems and components
MEA228	Test and troubleshoot aircraft instrument systems and components
MEA229	Test and troubleshoot aircraft radio systems
MEA230	Test and troubleshoot fixed wing aircraft automatic flight systems
MEA232	Test and troubleshoot aircraft pulse systems and components
MEA235	Perform advanced troubleshooting in aircraft avionic maintenance
MEA241	Perform aircraft weight and balance calculations
MEA246	Fabricate and/or repair aircraft electrical hardware or parts
MEA260	Use electrical test equipment
MEA301	Perform aircraft flight servicing
MEA325	Perform aircraft weight and balance calculations

COURSE LOCATION

This course is delivered at:

- Archerfield Airport

COURSE INTAKES

January, April, July, October

STUDENT VISA

A student visa is available for this programme.

ENTRY REQUIREMENTS

This course requires the following:

- Academic: Senior (upper secondary) high school completion.
- English: 6.5 IELTS with no band score below 6.0 or equivalent.

STUDENT PATHWAYS

This course has established articulation programs with leading Australian Universities; see our website for more details.

PROVIDER CODES & APPROVALS

- Course CRICOS Codes:
098983A Avionics /
096949G Mechanical
- This course is delivered by Australia Academy International PTY LTD
T/A ICAT Aviation College (RTO:
41422) / CRICOS: 03590D)

Delivered by

ICAT
 AVIATION COLLEGE