



MEA40618 Certificate IV in Aeroskills (Avionics)

National ID: MEA40618 | State ID: BDW5

About this course

Are you looking for an in-demand career looking after the world's most advanced technology?

When you complete the Certificate IV in Aeroskills (Avionics) you will be looking at an exciting career working on aircraft large and small as an aviation maintenance engineer. Aircraft maintenance is a key skills growth area and your qualifications are in demand worldwide.

You will learn how to repair, overhaul, test and troubleshoot all manner of aircraft electrical and electronic aircraft systems. This may include instrument and communications systems, power-distribution systems, autopilot and integrated flight systems, and environmental control systems.

The Certificate IV in Aeroskills (Avionics) is an apprenticeship: you must be employed by an appropriate organisation to study. Please see the Apprenticeships section for more information.

Aerospace Training Centre

South Metropolitan TAFE's AeroSpace Training Centre is the largest provider in WA offering training in aircraft maintenance and aviation. Our lecturers have diverse industry backgrounds including international licensed aircraft maintenance engineers, airline transport pilots, airport managers, flight instructors, cabin crew training managers, emergency procedures instructors, RAAF maintenance supervisors, as well as military and commercial aviators and

managers.

The fully equipped hangar of the AeroSpace Training Centre at Jandakot Airport has various aircraft engines, workshop stations, computer facilities, a flight simulator, and a number of aircraft including our own Boeing 737.

Overview

This course will be offered with a blended, flexible delivery model to enable social distancing measures to be undertaken during the COVID-19 pandemic. This approach may include a mix of online and classroom based delivery, as well as practical and work experience placements. Lecturers will provide specific instructions to their student groups on how training will be undertaken.

All year round, 2020

Jandakot - Classroom-Apprenticeship



Duration: **4 Years**



When: **All year round**



How: **Apprenticeship
Part Time**

Units

Core

National ID	Unit Title
MEA107	Interpret and use aviation maintenance industry manuals and specifications
MEA118	Conduct self in the aviation maintenance environment
MEA148	Apply mathematics and physics in aviation maintenance
MEA154	Apply work health and safety practices in aviation maintenance
MEA155	Plan and organise aviation maintenance work activities

National ID	Unit Title
MEA156	Apply quality standards during aviation maintenance activities
MEA157	Complete aviation maintenance industry documentation
MEA158	Perform basic hand skills, standard trade practices and fundamentals in aviation maintenance
MEA201	Remove and install miscellaneous aircraft electrical hardware/components
MEA246	Fabricate and/or repair aircraft electrical hardware or parts
MEA296	Use electrical test equipment in aviation maintenance activities
MSMENV272	Participate in environmentally sustainable work practices

Elective

National ID	Unit Title
MEA203	Remove and install advanced aircraft electrical system components
MEA206	Remove and install aircraft basic radio communication and navigation 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 and components
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 frequency navigation and communications systems and components
MEA232	Test and troubleshoot aircraft pulse systems and components

National ID	Unit Title
MEA292	Remove and install advanced aircraft instrument system components
MEA293	Remove and install aircraft electronic system components
MEA301	Perform aircraft flight servicing

Entrance requirements

School Leaver	Non-School Leaver	AQF
C Grades in Year 11 WACE General English, and OLNA or NAPLAN 9 Band 8	C Grades in Year 11 English and Maths or equivalent	Certificate II or Certificate III

This course is available as an apprenticeship.

Entrance requirements for apprenticeships

You must be employed in a training contract by an appropriate organisation to study an apprenticeship or traineeship.

An apprenticeship involves full time work with an employer who provides an opportunity to learn all aspects of a trade. This is a structured program for a fixed period of time and while you learn on the job, you also attend off the job training at SM TAFE.

Some of the benefits of an Apprenticeship are that you can:

- Earn a wage while you train
- Learn on the job skills combined with off the job training
- Receive a nationally recognised qualification on successful completion
- Start a valuable step towards a rewarding career path

Job opportunities

- Completion provides you with the skills and knowledge to work in the aviation industry as an avionics aircraft maintenance engineer.

- For information on licensing requirements, please refer to CASA's website: <http://www.casa.gov.au>
- South Metropolitan TAFE does not guarantee a licensed outcome as CASA is the Australian licensing and regulatory authority.

For information about jobs and pathways, please see <http://joboutlook.gov.au/>

Further study opportunities:

- Diploma of Aeroskills (Avionics)

Those wishing to progress further may undertake the Diploma of Aeroskills and CASA licensing exams to become Licensed Aircraft maintenance Engineers.

For information on licensing requirements, please refer to CASA's website: <http://www.casa.gov.au>

South Metropolitan TAFE does not guarantee a licensed outcome as CASA is the Australian licensing and regulatory authority.

Fees and charges

Indicative fees and charges

[2020 general admission fees list](#)

[2020 apprenticeship/traineeship fees list](#)

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Prior Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2020
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills
- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our [Fees and payment options](#) page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our [Student Loans](#) page.

International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the [TAFE International WA](#) website.

Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our [Apprenticeships and traineeships](#) page.

Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at \$3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

Please note, fees are subject to change.