



MEM30205 Certificate III in Engineering - Mechanical Trade (Fitter and Machinist ZB)

National ID: MEM30205 | State ID: WT83

About this course

**LOWER FEES
LOCAL SKILLS**

This qualification is part of the *Lower fees, local skills* program where you'll pay only half of the standard course fees.

Are you looking for a career making and fixing all things mechanical?

When you complete the Certificate III in Engineering (Mechanical Fitter and Machinist ZB) you'll be looking at a trades career as a **machinist metal**, **mechanical fitter**, **metal plater** or **plant mechanic** in industries such as mining, automotive, or hydraulics.

The Certificate III in Engineering - Mechanical Trade (Mechanical Fitter ZA) is an apprenticeship please see the Apprenticeships section for more information.

Gain these skills

- Make machines, parts, and tools
- Work with pumps and hydraulics
- Use workshop machines, hand and power tools, mills and lathes
- Arc welding
- Measuring and technical drawing
- Workplace health and safety

Is this course right for me?

I have the following attributes:

- Enjoy technical work
- Comfortable working in a physical environment
- Good hand-eye co-ordination
- Practical ability and an eye for detail



The following people will be entitled to a concession rate on the half price course fees under *Lower fees, local skills*.

**LOWER FEES
LOCAL SKILLS**

- All students aged 15-24 years
- Persons and dependents of persons holding:
 - a pensioner concession card;
 - a repatriation health benefits card issued by the Department of Veterans' Affairs; or
 - a Health Care Card
- Persons and dependents of persons in receipt of the Youth Allowance, AUSTUDY or ABSTUDY
- Dependents of persons who are inmates of a custodial institution
- Secondary school-aged persons, not enrolled at school.

If you are not eligible, please see our [Skill sets](#) page.

Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey.

This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

Semester 1, 2020

Midland - Apprenticeship



Duration: **7 Semester/s**



When: **Semester 1, 2020**



How: **On campus**

Units

Core

National ID	Unit Title
MEM12023A	Perform engineering measurements

National ID	Unit Title
MEM12024A	Perform computations
MEM13014A	Apply principles of occupational health and safety in the work environment
MEM14004A	Plan to undertake a routine task
MEM14005A	Plan a complete activity
MEM15002A	Apply quality systems
MEM15024A	Apply quality procedures
MEM16006A	Organise and communicate information
MEM16007A	Work with others in a manufacturing, engineering or related environment
MEM16008A	Interact with computing technology
MEM17003A	Assist in the provision of on the job training
MSAENV272B	Participate in environmentally sustainable work practices

Elective

National ID	Unit Title
MEM05007C	Perform manual heating and thermal cutting
MEM05050B	Perform routine gas metal arc welding
MEM06007B	Perform basic incidental heat/quenching, tempering and annealing
MEM07005C	Perform general machining
MEM07006C	Perform lathe operations
MEM07007C	Perform milling operations
MEM07008D	Perform grinding operations
MEM07015B	Set computer controlled machines/processes
MEM07021B	Perform complex lathe operations
MEM07024B	Operate and monitor machine/process
MEM07028B	Operate computer controlled machines/processes

National ID	Unit Title
MEM09002B	Interpret technical drawing
MEM11011B	Undertake manual handling
MEM12003B	Perform precision mechanical measurement
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM18003C	Use tools for precision work
MEM18006C	Repair and fit engineering components
MEM18007B	Maintain and repair mechanical drives and mechanical transmission assemblies
MEM18009B	Perform levelling and alignment of machines and engineering components
MEM18020B	Maintain hydraulic system components
MEM18055B	Dismantle, replace and assemble engineering components

Entrance requirements

School Leaver	Non-School Leaver	AQF
OLNA or NAPLAN 9 Band 8	C Grades in Year 10 English and Maths or equivalent	Certificate I or Certificate II

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

Further study

North Metropolitan TAFE offers you a range of further study opportunities, see below for a list of related courses.

Job opportunities



[Fitter](#) | [Fitter-Machinist](#) | [Metal Machinist](#)

Other job titles may include:

- Fitter-Welder
- Fitter and Turner
- Metal Machinist

Please note this list should be used as a guide only as job titles and qualification requirements may vary between

organisations.

Fees and charges

Local full time students

Course fees are made up of two components, tuition fees and resource fees.

Tuition fees are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

Resource fees are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

International Students

Check [TAFE International WA](#) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

Please note, fees are subject to change.