



MEM30205 Certificate III in Engineering - Mechanical Trade (First Class Machinist)

National ID: MEM30205 | State ID: AB54

About this course

This course will cover theoretical and practical aspects of machining of engineering components. Learn to machine, modify and gain skills in the maintenance of plant and equipment, machinery and power stations. Our lecturers will help you develop the ability to work effectively and safely using specialist tools and equipment.

Gain these skills:

- machining, assembly and manufacturing
- CNC, precision grinding, horizontal boring and precision measurement
- installation and modification of machinery
- testing and fault finding of machinery
- maintenance and service of equipment, machinery and tools

LOWER FEES
LOCAL SKILLS

This qualification is directly aligned with priority industry areas where the jobs are today, and into the future. As part of the state government **Lower fees, local skills** initiative, from 1 January 2020 through to 31 December 2021 you'll only pay half the course fees, capped at \$1,200; or \$400 if you're aged 15–24 or eligible for a concession. [Find out](#)

[more.](#)

Overview

This course may 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 any specific instructions if your training delivery style needs to change.

All year round, 2020

Rockingham - Classroom-Apprenticeship



When: **All year round**



How: **Apprenticeship
Part Time**

Units

Core

National ID	Unit Title
MEM12023A	Perform engineering measurements
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

National ID	Unit Title
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
MEM05005B	Carry out mechanical cutting
MEM05007C	Perform manual heating and thermal cutting
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
MEM07011B	Perform complex milling operations
MEM07013B	Perform machining operations using horizontal and/or vertical boring machines
MEM07015B	Set computer controlled machines/processes
MEM07016C	Set and edit computer controlled machines/processes
MEM07018C	Write basic NC/CNC programs
MEM07021B	Perform complex lathe operations
MEM07024B	Operate and monitor machine/process

National ID	Unit Title
MEM07028B	Operate computer controlled machines/processes
MEM09002B	Interpret technical drawing
MEM12003B	Perform precision mechanical measurement
MEM12006C	Mark off/out (general engineering)
MEM15004B	Perform inspection
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEM18003C	Use tools for precision work
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

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

Study pathway



[Certificate II in Engineering \(Mechanical Fitter and Machinist Pre-Apprenticeship\)](#)



[Certificate III in Engineering - Mechanical Trade \(First Class Machinist\)](#)



[Certificate IV in Engineering \(Fluid Power\)](#)



[Diploma of Engineering - Advanced Trade](#)

Job opportunities



[First class machinist](#)

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

To access free career planning and job search assistance, visit the [Jobs and Skills Centres](#) page.

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.



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Metropolitan**

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Western Australia.*

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.



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