

MEM30205 – Certificate III in Engineering – Mechanical Trade

Overview

This qualification covers the skills and knowledge required for employment as a Mechanical Engineering Tradesperson within the metal, engineering, manufacturing and associated industries.

Duration

This program is offered as a 48 Month (4year) Australian Apprenticeship Training Contract.

Note: usually completed in approx. 3.5 years

You will be assigned an ATEC Case Manager who will work with you and your employer to develop a Training Plan that suits the needs of you and your employer.

Assessment

There are theory and practical training and assessment components to the course. Skills will be trained and assessed through a blend of off-the-job (trade school), self paced study and on-the-job training.

Entry Requirements

Participants **MUST:**

- Be signed into an approved Training Contract with an employer through an Australian Apprenticeship Support Network
- Be 16 years or older for a standard apprenticeship training contract; or
- 15 years or older for a school based apprenticeship training contract
- Be an Australian/New Zealand Citizen or hold an eligible VISA.
- Have the ability to read, write and understand basic English and carry out basic mathematical calculations.
- Have the physical ability to perform practical fabrication skills.

Course Fees

Please contact ATEC on 1300 112 832 for further information on course fees. *Note: Students are required to contribute towards tuition fees and other incidentals such as text books.*

Subsidised Training

Subsidised Fee

\$3100.00 (GST exempt)

This course may be subsidised by the Government of South Australia for eligible students.

Please contact ATEC so we can assess your eligibility

www.skills.sa.gov.au

JobTrainer Subsidised Fee

\$700.00 (GST exempt)

This course may be subsidised by the Government of South Australia for eligible students.

Please contact ATEC so we can assess your eligibility

<https://www.skills.sa.gov.au/jobtrainer>

Learner Requirements

- Provide your Unique Student Identifier (USI). To apply for a USI go to <https://www.usi.gov.au/your-usi/create-usi>
- Provision of Australian legal photo identification for enrolment purposes
- Applicants will be required to attend an enrolment session and undertake a Literacy and Numeracy Assessment at a level required to successfully complete the qualification.
Potential clients who are identified as not meeting course requirements will be assisted with referral to appropriate support services.

PPE (Personal Protective Equipment)

To be supplied by participant:

- Safety Boots (steel cap)
- Safety glasses (non-tinted)
- Long pants
- Long-sleeved shirt (for WHS reasons please do not wear excessively loose clothing)
- High visibility vest (high visibility shirt/jumper is acceptable)

Outcome

On successful completion of all requirements of this course, learners will be issued with:

- 1) A Record of Results; and a
- 2) Certificate for the MEM30205 Certificate III Engineering – Mechanical Trade. **Note:** Students who do not complete all the requirements of this course will receive a Statement of Attainment for the units of competency that have been successfully achieved.

Delivery Locations

- Ottoway

Pre-enrolment information

Important information for prospective students in regards to ATEC Policies is available at [Certificate III in Engineering | ATEC](#)

How to apply

Applications and enquiries can be made:

- Online – www.atec.asn.au
- Email – bookings@atec.asn.au
- Call ATEC on 1300 112 832
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Sample training plan – Fitter Machinist

Packaging rules - 12 core units and a number of electives to make a minimum of 73 points in total

Core units	Unit Title	Nominal Hours	Points
MEM13014A	Apply principles of occupational health and safety in the work environment	10	0
MEM12023A	Perform engineering measurements	30	0
MEM12024A	Perform computations	30	0
MEM14004A	Plan to undertake a routine task	10	0
MEM14005A	Plan a complete activity	20	0
MEM15002A	Apply quality systems	20	0
MEM15024A	Apply quality procedures	10	0
MEM16006A	Organise and communicate information	20	0
MEM16007A	Work with others in a manufacturing, engineering or related environment	10	0
MEM16008A	Interact with computing technology	20	0
MEM17003A	Assist in the provision of on the job training	20	0
MSAENV272B	Participate in environmentally sustainable work practices	30	0
Group A - Mechanical Trade Stream units			
MEM18001C	Use hand tools	20	2
MEM18002B	Use power tools/hand held operations	20	2
MEM09002B	Interpret technical drawing	40	4
MEM07005C	Perform general machining	80	8
MEM18055B	Dismantle, replace and assemble engineering components	30	3
MEM18003C	Use tools for precision work	40	4
MEM12006C	Mark off/out (general engineering)	40	4
MEM07006C	Perform lathe operations	40	4
MEM07007C	Perform milling operations	40	4
MEM07008D	Perform grinding operations	40	4
MEM18006C	Repair and fit engineering components	60	6
MEM07015B	Set computer controlled machines/processes	20	2
MEM07016C	Set and edit computer controlled machines/processes	40	4
MEM07018C	Write basic NC/CNC programs	40	4
MEM07019C	Program NC/CNC machining centre	20	2
MEM12003B	Perform precision mechanical measurement	20	2
MEM07021B	Perform complex lathe operations	40	4
Group B - Trade Specialisation units			
MEM11011B	Undertake manual handling	20	2
MEM09003B	Prepare basic engineering drawing	80	8
Total Hours/Points		960	73

Please note: All enrolments in this qualification will be required to transition to the updated qualification MEM30219 - Certificate III in Engineering – Mechanical Trade prior to 31 December 2022.



Supported by
**Government of
South Australia**

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Ottoway

275 Grand Junction Rd
Ottoway SA 5013

Lonsdale

5 Refinery Road
Lonsdale SA 5160

Port Adelaide

12 Todd Street
Port Adelaide SA 5015

www.atec.asn.au

T 1300 112 832
E bookings@atec.asn.au

