

MEM30319 – Certificate III in Engineering – Fabrication Trade

Overview

This qualification covers the skills and knowledge required for employment as a Fabrication 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

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)
- Drawing equipment
- Welding gloves and a welding helmet

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 MEM30319 Certificate III Engineering - Fabrication 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 Engineering | Fabrication | Apprenticeships Adelaide \(atec.asn.au\)](#)

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**

Packaging rules - training.gov.au - MEM30319 - Certificate III
in Engineering - Fabrication Trade

Sample training plan – Fabrication Trade Generic

Core units	Unit Title	Nominal Hours	Points
MEM13015	Work safely and effectively in manufacturing and engineering	40	2
MEM16006	Organise and communicate information	20	2
MEM12024	Perform computations	30	3
MEM12023	Perform engineering measurements	30	5
MEM11011	Undertake manual handling	20	2
MEM18001	Use hand tools	20	2
MEM18002	Use power tools/hand held operations	20	2
MSMENV272	Participate in environmentally sustainable work practices	30	3
MEM09002	Interpret technical drawing	40	4
MEM14006	Plan work activities	40	4
MEM16008	Interact with computing technology	20	2
MEM17003	Assist in the provision of on-the-job training	20	2
Elective Units	Unit Title		
MEM05005	Carry out mechanical cutting	20	2
MEM03003	Perform sheet and plate assembly	40	4
MEM05012	Perform routine manual metal arc welding	20	2
MEM05049	Perform routine gas tungsten arc welding	20	2
MEM05050	Perform routine gas metal arc welding	20	2
MEM05007	Perform manual heating and thermal cutting	20	2
MEM05051	Select welding processes	20	2
MEM05052	Apply safe welding practices	40	4
MEM05017	Weld using gas metal arc welding process	40	4
MEM05015	Weld using manual metal arc welding process	40	4
MEM05019	Weld using gas tungsten arc welding process	40	4
MEM05037	Perform geometric development	60	6
MEM05010	Apply fabrication, forming and shaping techniques	80	8
MEM12007	Mark off/out structural fabrications and shapes	40	4
MEM05018	Perform advanced welding using gas metal arc welding process	40	4
MEM05020	Perform advanced welding using gas tungsten arc welding process	40	4
MEM05011	Assemble fabricated components	80	8
Total Hours/Points		990	99

Please note: All enrolments in this qualification will be required to transition to the updated qualification MEM31922 Certificate III in Engineering – Fabrication Trade by no later than 18 December 2023.



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