

MEM20105 – Certificate II in Engineering

Overview

The aim of this course is to prepare students to enter the engineering trades as an apprentice and provides skills development and the basic underpinning knowledge required for a career in the Engineering trades. Career opportunities include fitting and machining, mechanical fitter, boilermaker - metal fabrication (light or heavy) and entry to diesel fitting.

Duration

This program is offered as a 12 Month Australian Apprenticeship Training Contract. 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

Full Fee

\$7000.00 (GST exempt)

Note: Fee for Service students (full fee paying) are required to pay a deposit (to a maximum of \$1500) with the balance of fees due prior to the completion of training. Alternately, payment by direct debit can be arranged with a deposit required for this option.

Subsidised Training

Subsidised Fee

\$1072.50 (GST exempt)

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

Please contact ATEC so we can assess your eligibility
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
- Appropriate workshop attire (non-flammable). **i.e. work trousers and a Long-sleeved work shirt** (for WHS reasons please do not wear excessively loose clothing)
- Welding gloves and 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 MEM20105 - Certificate II in Engineering. **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 II in Engineering | ATEC](#)

How to apply

Applications and enquiries can be made:

- Online – <https://atec.asn.au/>
- Email – bookings@atec.asn.au
- Call ATEC on 1300 112 832

Sample training plan - **Packaging rules**

5 core units and a number of electives to make a minimum of 30 in total.

Core units	Unit Title	Nominal Hours	Points
MEM13014A	Apply principles of occupational health and safety in the work environment	10	0
MEM14004A	Plan to undertake a routine task	10	0
MEM15002A	Apply quality systems	20	0
MEM15024A	Apply quality procedures	10	0
MEM16007A	Work with others in a manufacturing, engineering or related environment	10	0
Elective units	Unit Title	Nominal Hours	Points
MEM03003B	Perform sheet and plate assembly	40	4
MEM05005B	Carry out mechanical cutting	20	2
MEM05007C	Perform manual heating and thermal cutting	20	2
MEM05012C	Perform routine manual metal arc welding	20	2
MEM05049B	Perform routine gas tungsten arc welding	20	2
MEM05050B	Perform routine gas metal arc welding	20	2
MEM09002B	Interpret technical drawing	40	4
MEM11011B	Undertake manual handling	20	2
MEM12023A	Perform engineering measurements	30	5
MEM14005A	Plan a complete activity	20	4
MEM18001C	Use hand tools	20	2
MEM18002B	Use power tools/hand held operations	20	2
Total Hours/Points		350	33



Supported by
**Government of
South Australia**

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