

MEM20413 – Certificate II in Engineering Pathways

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 10-and-a-half-week course 5 days a week. Starting on the 14th of June finishing up on the 25th of August 2023.

Assessment

There are theory and practical training and assessment components to the course. Skills will be trained and assessed at ATEC Ottoway.

Entry Requirements

Participants MUST:

- Be 16 years or older and not enrolled at school.
- Be an Australian/New Zealand Citizen or hold an eligible VISA.
- Live or work in South Australia
- 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 - \$5,500

Subsidised Training

Subsidised Fee - \$395

Fee Free for eligible students

Eligibility criteria applies.

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

People from the following groups are strongly encouraged to apply:

- First Nations
- Young People (17-24 years) and not enrolled in school
- Women seeking to enter non-traditional trades

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 MEM20413 – Certificate II in Engineering Pathways. *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

<http://www.atec.asn.au/pre-enrolment-information.html>

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

Possible apprenticeship opportunities for those who complete the course!



Version May 2023



Please note: All enrolments in this qualification will be required to transition to the updated qualification MEM20422 - Certificate II in Engineering Pathways prior to 18th of December 2023

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Sample training plan

Packaging rules

4 core units and a number of electives to make a minimum of 12 in total.

Core units	Unit Title	Hours
MEM13014A	Apply principles of occupational health and safety in the work environment	10
MEMPE005A	Develop a career plan for the engineering and manufacturing industry	20
MEMPE006A	Undertake a basic engineering project	80
MSAENV272B	Participate in environmentally sustainable work practices	30
Elective units	Unit Title	
MEMPE002A	Use electric welding machines	40
MEMPE003A	Use oxy-acetylene and soldering equipment	40
MEMPE004A	Use fabrication equipment	40
MEMPE007A	Pull apart and re-assemble engineering mechanisms	30
MEM18001C	Use hand tools	20
MEM18002B	Use power tools/handheld operations	20
MEM16006A	Organise and communicate information	20
MSAPMSUP106A	Work in a team	30
		Total Hours: 380