



Nanango State High School



RTO number: 30415

MEM20413: Certificate II in Engineering Pathways

Qualification description

This qualification provides the skills and knowledge for students to safely perform foundation engineering process tasks using a range of hand tools, portable power tools, welding machines and fixed plant machinery.

Refer to training.gov.au for specific information about the qualification.

Entry requirements

There are no entry requirements for this qualification. Steel capped safety boots are an entry requirement to the Trade Training Workshop.

Duration and location

This is a two-year course delivered in Years 11 and 12 on site at Nanango State High School in partnership with Blue Dog Training.

Course units

To attain a MEM20413 Certificate II in Manufacturing, 4 core units and 8 elective units of competency must be achieved: The units offered are listed below.

Unit code	Title
MEM13014A	Apply principles of occupational health and safety in the work environment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
MEM16006A	Organise and communicate information
MEM16008A	Interact with computing technology
MEM18001C	Use hand tools
MEM18002B	Use power tools/hand held operations
MEMPE001A	Use engineering workshop machines
MEMPE002A	Use electric welding machines
MEMPE003A	Use oxy-acetylene and soldering equipment
MSAPMSUP106A	Work in a team

RTO obligation

The School guarantees that the student will be provided with every opportunity to complete the qualification. We do not guarantee employment upon completion of this qualification.

Students who are deemed competent in all 12 units of competency will be awarded a Qualification and a record of results by Blue Dog Training.

Students who achieve at least one unit of competency (but not the full qualification) will receive a Statement of Attainment.

Delivery modes

A range of delivery modes will be used during the teaching and learning of this qualification. These include:

- face-to-face instruction
- work-based learning
- guided learning
- online training.

Fees

If eligible this certificate is Vetis funded (and therefore free of charge), if not, it incurs a fee of \$1200.

Assessment

Assessment is competency based and completed in a simulated engineering environment.

Units of competency are clustered and assessed in this way to replicate what occurs in a manufacturing environment as closely as possible.

Assessment techniques include:

- observation
- folios of work
- questioning
- projects
- written and practical tasks.

Work placement

There is no work placement requirement for this certification.

Pathways

This qualification may articulate into employment within a number of trades including Boilermaker, Sheet metal worker, Fitter & Turner.

See other financial qualifications at training.gov.au.