

Kirwan State High School is partnered with Axial Training

RTO number: 2437



MEM20413 Certificate II in Engineering Pathways

Qualification description

This qualification applies to a learning and assessment environment where access to structured on-the-job learning in a workplace may not be available. This qualification is only for delivery in learning institutions.

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

Entry requirements

There are no entry requirements for this qualification.

Duration and location

This is a one year course delivered in Years 11 and 12 on site at Kirwan State High School.

Course units

To attain a MEM20413 12 units of competency must be achieved:

| 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 |
| MEM18001C | Use hand tools |
| MEMPE003A | Use Oxy-acetylene and soldering equipment |
| MEM18002B | Use power tools/hand held operations |
| MEMPE001A | Use engineering workshop machines |
| MEMPE002A | Use electric welding machines |
| MSMSUP106A | Work in a team |
| MEMPE007A | Pull apart and re-assemble engineering mechanisms |

Obligation

Employment is not guaranteed upon completion of this qualification. Student enrolment, complaints and appeals are managed by Axial Training

Students who are deemed competent in all 12 units of competency will be awarded a Qualification and a Record of Results by Axial Training. Students who achieve at least one unit of competency (but not the full qualification) will receive a Statement of Attainment issued by Axial Training.

Delivery modes

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

- face-to-face instruction
- guided learning

Fees

All fees are published on Kirwan State High Schools VET subject selection form

Assessment

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

Units of competency are clustered through projects and assessed in this way to replicate what occurs in a engineering workshop as closely as possible.

Assessment techniques include:

- observation
- questioning
- projects
- written and practical tasks.

Work placement

Students are provided with the opportunity to do structured workplace learning in a range of Engineering Workshops

Pathways

This qualification may articulate into: This qualification delivers broad-based underpinning skills and knowledge in a range of engineering and manufacturing tasks which will enhance the graduates' entry-level employment prospects for apprenticeships, traineeships or general employment in an engineering-related workplace.

See other qualifications at training.gov.au.