



Certificate III in Engineering

Mechanical Trade - MEM30205

Job Description

Employees are responsible for fabricating, assembling, maintaining and repairing precision instruments and equipment/machines. They also undertake general application of a lathe, mill and drilling machine and a range of welding equipment. Metal Industry Award classification on completion: C10 Metal, Engineering and Associated Industries Award classification on completion: C10. Nominal hours 960.

SUMMARY OF TRAINING

Core Units (12)

- MEM12023A Perform engineering measurement
- MEM12021A Perform computations
- MEM13014B Apply principles of OHS in the work environment
- MEM14004A Plan to undertake a routine task
- MEM14005A Plan a complete activity
- MEM15002A Apply quality systems
- MEM15024A Apply quality procedures
- MEM16006A Organise and communicate information
- MEM16007A Work with others in a manufacturing, engineering or related environment
- MEM16008A Interact with computing technology
- MEM17003A Assist in the delivery of on the job training
- MSAENV272B Participate in environmentally sustainable work practices

Example of Elective Units

- MEM07005C Perform general machining
- MEM07006C Perform lathe operations
- MEM07007C Perform milling operations
- MEM07008D Perform grinding operations
- MEM07011B Perform complex milling operations
- MEM07013C Perform machining operations using horizontal and/or vertical boring machine
- MEM07015B Set computer controlled machines/processes
- MEM09002B Interpret technical drawing
- MEM12003B Perform precision mechanical measurement
- MEM12006C Mark off/out (general engineering)
- MEM18001C Use hand tools
- MEM18002B Use power tools/hand held operations
- MEM18003C Use tools for precision work
- MEM18004B Maintain and overhaul mechanical equipment

See over...

SUMMARY OF TRAINING (cont.)

Example Elective Units

- MEM18005B Perform fault diagnostics, install and remove bearings
- MEM18006C Repair and fit engineering components
- MEM18007B Maintain and repair mechanical drives and mechanical transmissions
- MEM18008B Balance equipment
- MEM18009B Perform levelling & alignment of machines & engineering components
- MEM18011C Shut down & isolate machines/equipment
- MEM18012C Perform installation & removal of mechanical seals
- MEM18013B Perform gland packing

Note *Please be aware that this Job and Training Description is designed to be a guide only to the selection of non-compulsory units. Alternative combinations of units may be selected. In some cases Apprentices may also have to complete prerequisite units. Employers and prospective Apprentices can obtain further information in this regard from ATEC, refer contact details below.*

Recognition of Prior Learning

Recognition of Prior Learning (RPL) is a process where a student may be granted credit or partial credit towards a qualification in recognition of skills and knowledge gained through work experience, life experience and/or formal training.

Entry Requirements

Students must be apprenticed to an employer.

Fee Information

The cost of a course depends on the number of hours nominated for each unit of competency, the type of study involved and whether the course is subsidised by the government or is fee-for-service.

Each government-subsidised course has a set fee based on the nominated hours for each unit. Fees vary between courses depending on the nature of the course. In general this Award course is subsidised by the government. The student/employer contribution is currently charged at \$2.00 per nominal hour for each unit.

Fee-for-service courses are negotiated prior to the commencement of training.

Depending on the course, there may be an additional charge for materials, textbooks and uniforms/personal protective equipment (PPE).

Details of all fees for government-subsidised and fee-for-service courses are available prior to enrolment from ATEC Student Administration.

Training undertaken under an Australian Apprenticeship may attract additional incentives under a range of initiatives in the Australia Government's Skilling Australia for the future initiative. This may include incentives to take up a trade or upgrade your skills. For more information refer to the contact details below.

For More Information

Call ATEC 1300 112 832 and ask for:

- ATEC Training for further information about the training component of an apprenticeship or;
- ATEC Australian Apprenticeships Centre for general information about Apprenticeships and incentives.

www.atec.asn.au