

MECHANICAL ENGINEERING TRADESPERSON

This job belongs to the metals manufacturing industry involved in the manufacture, maintenance and finishing of metal products.

The job has the following specialisations:

- Electroplating
- Engine Reconditioning
- First Class Machining
- Fitting and Machining
- Refrigeration Fitting
- Plant Mechanic
- Patternmaking
- Mechanical Fitting
- Marine Fitting
- Toolmaking

What Does An Apprentice Mechanical Engineering Tradesperson Do?

Mechanical engineering tradespersons carry out a range of mechanical work on machines, sub-assemblies and manufactured parts using a range of processes, tools and machines. This may include:

- Examining detailed drawings or specifications to find out job, material and equipment requirements.
- Setting up and adjusting metalworking machines and equipment.
- Operating machines to produce parts or tools by turning, boring, milling, planing, shaping, slotting, grinding or drilling metal stock or components.
- Fitting and assembling metal parts, tools or sub-assemblies, including welding or brazing parts.
- Cutting, threading, bending and installing hydraulic and pneumatic pipes and lines.
- Dismantling faulty tools and assemblies and repairing or replacing defective parts.
- Setting up and/or operating hand and machine tools, welding equipment or computer numerically controlled (CNC) machines.
- Checking accuracy and quality of finished parts, tools or sub-assemblies.

What Tasks Do You Have To Do?

- Examine detailed drawings or specifications to find out job, material and equipment requirements.
- Mark out work to be done.
- Assemble and install machines, and maintain and repair them.
- Heat treat metal parts and components.
- Set up and/or operate hand and machine tools, or computer numerically controlled (CNC) machines.
- Finish products by cleaning, polishing, or by applying protective or decorative coatings.

How Do You Get A Trade Certificate?

The apprenticeship usually lasts for three and a half years. At the end of your apprenticeship, provided you have successfully completed all on-the-job and off-the-job assessments, you will be issued with a Nationally recognised qualification:

**CERTIFICATE III IN ENGINEERING – MECHANICAL TRADE
(MEM30205)**

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