



# ENGINEERING

## What do tradespeople in Engineering-Mechanical do?

Engineering-Mechanical covers the following trades:

- Fitter/Machinist
- Maintenance Fitter
- Toolmaker

**Fitter/Machinists** shape steel and other materials using a variety of manual, automated and computer- controlled machines such as drills, lathes, grinders and milling machines. They use hand and power tools and precision measuring instruments to manufacture, assemble, fit and repair parts and machinery.

**Maintenance Fitters** mainly install and maintain equipment and machinery and use hand and power tools and precision measuring instruments to fit and repair parts. They are multiskilled, working with mechanical, hydraulic and pneumatic systems and electrical interfaces. They are trained to use a variety of drills, lathes, grinders and milling machines and have welding experience.

**Toolmakers** make precision equipment and tools used to manufacture machinery. They use precision measuring equipment and may use CNC machines and computer aided manufacturing (CAM) systems to achieve very precise finishes and sizes. Any company manufacturing pressed, cast metal or plastic items require the services of a toolmaker, although the toolmaking work is often carried out off-site at specialist companies.

## How do I become a Tradesperson in Engineering-Mechanical?

To become a Tradesperson in Engineering -Mechanical you need to become an apprentice. There are no formal academic requirements, however, year 10 schooling is generally considered a minimum.

### Qualifying as a Tradesperson in Engineering-Mechanical involves:

- Four years commitment
- Attending paid work with a “host employer” for the duration of the apprenticeship
- Attending off-the-job training at an RTO

### Ideal Personal Requirements to be a Mechanical Engineer include:

- Enjoy technical and mechanical activities
  - Able to identify, analyse and solve problems
- Enjoy computing and technical design
- Good oral and written communication skills



## How do I become an apprentice with The Apprenticeship Factory?

Call the friendly staff at The Apprenticeship Factory on 1300 134 648 (free call).