

Engineering Apprenticeships

Engineering provides a range of opportunities in fabrication, production and maintenance. Apprentices may produce different types of componentry, frames, and other sheetmetal products; or carrying out maintenance on various types of machinery. Engineering offers a number of specialisations in production, mechanical, fabrication, locksmithing and electrical/electronics.

What are some of the duties involved in an engineering apprenticeship?

Fit and assemble fabricated metal parts into products

Collecting data, performing tests and complex calculations, graphing results

Fabricate, assemble, maintain and repair metal precision instruments

Finishing products by polishing, filing, sanding and cleaning assembled products

Mark out, shape, form and join sheetmetal and other materials to make products/components

Cut, shape, join and repair metal components of iron and steel structures, boilers, pressure vessels and pipes

What does a typical week look like?

4 days per week at work

1 day per week at TAFE

Employers may ask you to work Saturdays & overtime

What are some of the units offered in the course?

Interpret technical drawing

Perform engineering measurements

Perform advanced manual thermal cutting, gouging and shaping

Apply fabrication, forming and shaping techniques

Weld using manual metal arc welding process

Mark off/out structural fabrications and shapes

Perform high reliability soldering and desoldering

What qualification is completed in the apprenticeship?

Certificate III in Engineering – Fabrication Trade

Certificate III in Engineering - Mechanical Trade

Certificate III in Engineering – Locksmithing Trade

Certificate III in Engineering – Composites Trade (can be completed as a school based apprenticeship)

Additional studies after the apprenticeship:

Certificate IV in Engineering

Diploma of Engineering

Career pathway:

Locksmith

Boilermaker

Fitter machinist

Sheetmetal worker

Manager or supervisor

What we look for in a suitable candidate

Enjoy manual work

Ability to problem solve

Strong attention to detail

Ability to organise and prioritise work

Good math skills

Good communication skills

Industry demand:

Moderate growth over the next few years to 2023 is expected in the engineering sector due to the demand for specialised and niche market products, and in areas related to maintenance and repair.

What is the pay rate?

<https://calculate.fairwork.gov.au/findyouraward>

Questions?

If you have any questions, please call our office on 1800 993 200 or visit our website www.mygateway.org.au

