

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

4 Years

- A fulltime engineering apprenticeship goes for 4 years
- An engineering school based apprenticeship (SBA) goes for 5 years, with the 1st year spread across Year 11 & 12
- An engineering SBA must complete a minimum of 100 days of paid employment across Year 11 & 12
- Once a SBA finishes their HSC and SBA requirements they will become a 2nd year apprentice and can commence full time work

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
- ✓ Apply knowledge of WHS legislation in the workplace

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

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