

MEM20422 Certificate II in Engineering Pathways

Do you marvel at the engineering of the Sydney Harbour Bridge? Do you appreciate a perfect bead of welding? Do you enjoy tinkering with old bikes and cars – taking them apart to discover how they work? This qualification will show you what it's like to work in the engineering field. The foundational skills taught in this course will help set you on the path to further study, an apprenticeship or traineeship, or entry-level work in engineering or metal fabrication.

In this course, you may:

- develop your skills and knowledge in welding, metal fabrication, machining, and fitting
- learn how to use engineering tools and equipment to produce or modify objects
- be shown how to use lathes and rollers
- practice your new skills to complete a major project
- take part in workplace visits.

Career pathways

This qualification provides a pathway to further study, an apprenticeship or traineeship, or a career in metal fabrication, sheet metal work, fitting and machining, engineering, and automotive and mechanical engineering.

Further study pathway

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A range of **Certificate III in Engineering** with specialisations including Technical, Mechanical Trade, Fabrication Trade, Textile Mechanic, Production Systems, Composites Trade, Patternmaking Trade, Industrial Electrician, Electronic Trade, and Toolmaking Trade.

Certificate IV in Engineering

Units

Units are subject to change and will be confirmed upon enrolment.

Code	Name
MEM13015	Work safely and effectively in manufacturing and engineering
MEMPE005	Develop a career plan for the engineering and manufacturing industries
MEMPE006	Undertake a basic engineering project
MSMENV272	Participate in environmentally sustainable work practices
MEM11011	Undertake manual handling
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEMPE001	Use engineering workshop machines
MEMPE002	Use electric welding machines
MEMPE004	Use fabrication equipment
MEMPE007	Pull apart and re-assemble engineering mechanisms

