



Certificate II in Engineering Pathways

COURSE CODE: MEM20422

✔ VETIS FUNDED*

CAMPUS
Glenala SHS Trade Skill
Centre

DURATION
4 Terms

STUDY MODE
Face-to-face

WORKLOAD
1 day per week

YEAR LEVEL
11

QCE CREDITS
Up to 4 credits

CORE UNITS

MEM13015	Work safely and effectively in manufacturing and engineering
MEMPE005	Develop a career plan for the engineering and manufacturing industry
MEMPE006	Undertake a basic engineering project
MSMENV272	Participate in environmentally sustainable work practices

ELECTIVE UNITS

MEM11011	Undertake manual handling
MEM18001	Use hand tools
MEM18002	Use power tools/hand held operations
MEMPE002	Use electric welding machines
MEMPE003	Use oxy-acetylene and soldering equipment
MEMPE004	Use fabrication equipment
MSMSUP106	Work in a team
MEM16006	Organise and communicate information

*Electives may vary between locations. Students need to complete 8 elective units from the list above.

Increase your employability in the engineering industry. This course will introduce you to the engineering trade and provide you with basic skills to operate tools and equipment to produce and modify objects. This is a great starting point for anyone who wants to pursue a career in any engineering field.

PATHWAY OPTIONS

- Certificate II in Engineering Pathways MEM20422

CAREER OUTCOMES

Trade assistant/worker in mechanical, metal fabrication, machining, or fitting and turning

APPRENTICESHIPS

<ul style="list-style-type: none"> • Certificate III in Engineering – Fabrication Trade MEM31922 • Certificate III in Engineering – Mechanical Trade MEM30219 • Certificate III in Locksmithing MEM30819 • Certificate III in Marine Craft Construction MEM30719 	Fitter and turner, metal fabricator, welder, machinist, patternmaker, moulder, locksmith, boat builder
<ul style="list-style-type: none"> • Certificate III in Engineering – Technical MEM30522 	Entry level draftsman
<ul style="list-style-type: none"> • Certificate IV in Engineering MEM40119 • Certificate IV in Engineering Drafting MEM40422 	Higher engineering tradesperson, special class tradesperson, draftsman
<ul style="list-style-type: none"> • Diploma of Engineering – Technical MEM50222 	Senior draftsman, advanced engineering tradesperson

UNIVERSITY PATHWAYS

- Bachelor of Engineering Science – University of Southern Queensland
- Bachelor of Engineering (Honours) – Queensland University of Technology
- Bachelor of Engineering (Honours) – Griffith University

*No cost to student or school. Subsidised by the Queensland Government under the VET in Schools Program (VETIS). For eligibility go to www.training.qld.gov.au/providers/funded/vetis.