

MEM30319

## Certificate III in Engineering – Fabrication Trade - (Sheetmetal)



**DURATION**  
Up to 48 Months  
Over 3 Stages



**DELIVERY MODEL**  
Workplace

### Course Description

This apprenticeship pathway provides the skills and knowledge required for employment as an Engineering Tradesperson – Fabrication, working in the metal, engineering, manufacturing and associated industries, specialising in sheet metal making. This qualification is also offered as a Recognition of Prior Learning pathway.

Minimum age 15 years.

### Course Fees

A student co-contribution fee is required in accordance with QLD Government User Choice Policy.

## Course Structure

12 Core Units  
17 Elective Units

### Core Units

- **MEM09002:** Interpret technical drawing
- **MEM11011:** Undertake manual handling
- **MEM12023:** Perform engineering measurements
- **MEM12024:** Perform Computations
- **MEM13015:** Work safely and effectively in manufacturing and engineering
- **MEM14006:** Plan work activities
- **MEM16006:** Organise and communicate information
- **MEM16008:** Interact with computing technology
- **MEM17003:** Assist in the provision of on the job training
- **MEM18001:** Use hand tools
- **MEM18002:** Use power tools/hand held operations
- **MSMENV272:** Participate in environmentally sustainability work practices

### Elective Units

- **MEM05004:** Perform routine oxy acetylene welding
- **MEM05005:** Carry out mechanical cutting
- **MEM05006:** Perform brazing and/or silver soldering
- **MEM05007:** Perform manual heating and thermal cutting
- **MEM05010:** Perform manual heating and thermal cutting
- **MEM05011:** Assemble fabricated components
- **MEM05017:** Weld using gas metal arc welding process
- **MEM05019:** Weld using gas tungsten arc welding process
- **MEM05037:** Perform geometric development
- **MEM05049:** Perform routine gas tungsten arc welding
- **MEM05050:** Perform routine gas metal arc welding
- **MEM05051:** Select welding processes
- **MEM05052:** Apply safe welding practices
- **MEM05055:** Weld using oxy fuel gas welding process
- **MEM12007:** Mark off/out structural fabrications and shapes
- **MEM18055:** Dismantle, replace and assemble engineering components
- **MEM05036:** Repair, replace and/or modify fabrications