# Train with the experts...

**kickstart your career in an Apprenticeship!**

**Training in Port Macquarie**

## Certificate III in Engineering –Fabrication Trade (MEM30319)

**JHI's Certificate III in Engineering - Fabrication Trade, is designed to cover the skills and knowledge apprentices need to become highly qualified trades people in the metal, engineering, and manufacturing industries.**

**The qualification has been specifically developed to meet the needs of apprentices in the above trade. The qualification packaging has been developed on an assumption that competency will be developed through an integrated combination of on and off the job learning strategies.**

## Course details...

| | |
|---|---|
| *Course commences* | **Ongoing enrolments** |
| *Timetable* | **Class based delivery 1 day per week Wednesday or Thursday** |
| *Course duration* | **3 years training and working in industry, 4th year industry only** |
| *Course cost* | **NSW Government Fee Free Apprenticeship Initiative, conditions apply** |
| *Course delivery* | **Face to face training in Port Macquarie and on the job in industry** |

Australian Qualifications Framework

JOHN HENRY INSTITUTE

**johnhenryinstitute.edu.au**
**Ph: (02) 6583 2321**
**info@jhi.edu.au**

RTO No. 7054. This training is subsidised by the NSW Government.
* if eligible, the course may be fully funded

# Certificate III in Engineering –Fabrication Trade (MEM30319)

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## 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/handheld operations |
| MSMENV272 | Participate in environmentally sustainable work practices |

## Elective Units:

| | |
|---|---|
| MEM07032 | Use workshop machines for basic operations |
| MEM05004 | Perform routine oxy fuel welding |
| MEM05012 | Perform routine manual metal arc welding |
| MEM05050 | Perform routine gas metal arc welding |
| MEM05051 | Select welding process |
| MEM05005 | Carry out mechanical cutting |
| MEM05007 | Perform manual heating and thermal cutting |
| MEM05010 | Apply fabrication, forming, and shaping techniques |
| MEM05011 | Assemble fabricated components |
| MEM05014 | Monitor quality of production welding and fabrications |
| MEM05015 | Weld using manual metal arc welding process |
| MEM05017 | Weld using gas metal arc welding process |
| MEM05018 | Perform advanced welding using gas metal arc welding process |
| MEM05036 | Repair, replace and or modify fabrications |
| MEM05037 | Perform geometric development |
| MEM05049 | Perform routine gas tungsten arc welding |
| MEM05052 | Apply safe welding practices |
| MEM12007 | Mark off and mark out structural fabrications and shapes |

## Objective:

JHI's Certificate III in Engineering - Fabrication Trade, is designed to cover the skills and knowledge apprentices need to become highly qualified trades people in the metal, engineering, and manufacturing industries. Covering such topics as MIG, TIG and stick welding.

Oxy-acetylene and plasma cutting. Structural steel fabrication, basic machining, sheet metal work, forming and shaping techniques, technical drawing, hand and power tools and geometric development.

While there are no formal entry requirements for this qualification, for an apprentice pathway **the learner must be employed full time or part time and have access to a workplace** to be able to gain sufficient experience to successfully complete the Unit of Competency requirements.

## Mode of Delivery

This training is delivered by a combination of face-to-face learning in a simulated environment and on-the-job training.

## Assessment Method

Competency based assessment will be conducted through theory tasks and practical demonstrations/role plays in the workplace. The training will be delivered in a fully equipped workshop by our qualified and industry experienced trainers/assessors.

## What to bring to class

Students are to wear their own mandatory personal protective equipment (P.P.E.). This includes drill cotton long shirt and pants, and steel capped boots. Students are also required to bring their own welding helmet, welding gloves, and safety glasses.

## Reduced and subsidised fees

As this training is fully government subsidised by the Australian New Entrant funding, you may be eligible for subsidised or reduced fees if you meet the below criteria:

- 15 years old or over
- no longer at school
- living or working in NSW
- an Australian citizen, permanent resident, humanitarian visa holder or New Zealand citizen

## Contact Us

For more information or to enrol, please contact the John Henry Institute on **(02) 6583 2321** or email **info@jhi.edu.au**