



APPRENTICESHIP

MEM30305 - CERTIFICATE III IN ENGINEERING – FABRICATION TRADE

COURSE DURATION:	4 years
COURSE LOCATION:	Newman Senior Technical College, Boundary Street, Port Macquarie
COURSE COST:	Your student fee under the NSW Government subsidised Smart & Skilled Program is \$2,000.00. Please contact JHI for further details.

Have you always dreamed of working in the Fabrication trade? If so, then turn your passion for Fabrication engineering into a career. Enrol in John Henry Institute's Certificate III in Engineering Fabrication Trade today.

JHI's Certificate III in Engineering Fabrication Trade is designed to cover the skills and knowledge required for employment as an Engineering Tradesperson – Fabrication within the metal, engineering, manufacturing and associated industries or other industries where Engineering Tradespersons – Fabrication work.

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 such as those delivered through a formal apprenticeship.

UNITS OF COMPETENCY:

To achieve this Apprenticeship qualification, students must be deemed competent in the following core and elective units (33 units in total), which meet the requirements of the Apprenticeship training package:

CORE UNITS:

- MEM12023A - Perform engineering measurements
- MEM12024A - Perform Computations
- MEM13014A - Apply principles of occupational health and safety in the work environment
- MEM14004A - Plan to undertake a routine task
- MEM14005A - Plan to complete activity
- MEM15002A - Apply quality systems
- MEM15024A - Apply quality procedures
- MEM16006A - Organise and communicate information
- MEM16007A - Work with others in a manufacturing, engineering or related environment
- MEM16008A - Interact with computing technology
- MEM17003A - Assist in the provision of on the job training
- MSAENV272B - Participate in environmentally sustainable work practices

ELECTIVE UNITS:

- MEM05004C - Perform routine oxy acetylene welding
- MEM05005B - Carry out mechanical cutting
- MEM05007C - Perform manual heating and thermal cutting
- MEM05012C - Perform routine manual metal arc welding
- MEM05013C - Perform manual production welding
- MEM05014C - Monitor quality of production welding/fabrications
- MEM05014D - Weld using gas metal arc welding processes
- MEM05050B - Perform routine gas metal arc welding
- MEM05051A - Select welding processes
- MEM05052A - Apply safe welding practices
- MEM09002B - Interpret technical drawing
- MEM18001C - Use hand tools
- MEM18002B - Use power tools/hand held operations
- MEM05015D - Weld using manual metal arc welding process
- MEM05011D - Assemble fabricated components
- MEM05026C - Apply welding principles
- MEM05036C - Repair/replace/modify fabrications
- MEM05037C - Perform geometric development
- MEM05010C - Apply fabrication, forming and shaping techniques
- MEM05018C - Perform advanced welding using gas metal arc welding
- MEM03003B - Perform sheet and plate assembly

MODE OF DELIVERY:

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

OBJECTIVE OF THE ENGINEERING – FABRICATION TRADE APPRENTICESHIP:

The Certificate III in Engineering – Fabrication Trade specifies the competencies required for employment as an Engineering Tradesperson – Fabrication including metal fabrication, forging, founding, structural steel erection, electroplating, metal spinning, metal polishing, sheet metal work, welding and the use of related computer controlled equipment.

This qualification can open up entry-level & experienced job opportunities in a wide variety of manufacturing and engineering related sectors as well as Engineering Tradesperson – Fabrication roles in other industries.

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.

People entering the workforce to undertake an Apprenticeship in the construction sector, they may have minimal or some prior skills or Statements of Attainment which may be recognised through our recognition process.

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:

- Blue or black pen
- Note book
- Students are to wear their own personal protective clothing during the course. This includes long sleeved cotton shirt and pants and steel-capped work boots. Participants are also required to wear a welding mask shade (helmet features will be discussed for those intending to purchase their own), safety glasses, earplugs and welding gloves. (More information will be provided during orientation).

CAREER OPPORTUNITIES:

This qualification can open up entry-level & experienced job opportunities in a wide variety of manufacturing and engineering related sectors as well as Engineering Tradesperson – Fabrication roles in other industries.

REDUCED AND SUBSIDISED FEES:

As this training is subsidised by the NSW Government Smart & Skilled Program, 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, Australian permanent resident, humanitarian visa holder or New Zealand citizen

The student fee for apprentices' will not exceed \$2,000.

ADDITIONAL COSTS:

There are no additional costs for this course

CONTACT:

For more information or if you would like to enrol, please contact the John Henry Institute on 02 6583 2321 or email info@jhi.edu.au