

# Trades

Welding  
Engineering  
Electrical  
Plumbing

There is no other industry that offers more lifestyle, flexibility and satisfaction of a 'job well done' than the Trades. South East Queensland's increasing population has driven demand for skilled tradespeople in many areas of industry and Gold Coast Institute of TAFE is leading the way in providing knowledgeable industry-ready apprentices to meet these demands. Provided with hands-on, industry relevant and practical training, our graduates leave us fully prepared to take their place among the industry's future lead craftsmen.



## Gas Metal Arc Welding (GMAW)–MIG Welding Gas Tungsten Arc Welding (GTAW)–TIG Welding Manual Metal Arc Welding (Stick Welding)–ARC

**Program Description:**  
Ideal for the handy person who wants to get started on those welding projects or for those wondering if they would be suited to a career in the welding/fabrication industry. Gives students an introduction to MIG, TIG or Stick Welding.

**Duration:** 10 weeks part time (evenings)  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Welding/fabrication industry, boat building or handy person. Competencies offered in this part time program are derived from the Metals and Engineering Industry Competency Standards and could be used towards a qualification at a later date.

## Welding Certification to Australian Standard 1796.2001

**Program Description:**  
Certification in manual metal arc welding and fuel gas welding. Students must possess at least one year's industrial experience if apprenticeship has been completed or at least three years industrial experience if no apprenticeship has been completed, to be able to obtain certification.

**Duration:** Theory – 20 weeks part time  
Practical – 18 weeks part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Welder in structural and fabrication trade.

## Engineering Skills Assessment

**Program Description:**  
Engineering gap training for those with considerable industry experience and limited or no formal qualifications, or required to work under a licence. Existing knowledge and skills are identified through Recognition of Prior Learning (RPL) or trade recognition to achieve a trade level outcome.

**Duration:** Up to 1 year part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** This trade qualification is required for BSA licence.

## Construction, Cabinetmaking/ Furnishing Skills Assessment

**Program Description:**  
Gap training for those with considerable industry experience and limited or no formal qualification, or required to work under a licence. Existing knowledge and skills are identified through Recognition of Prior Learning (RPL) or trade recognition to achieve a trade level outcome.

**Duration:** Up to 1 year part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** This trade qualification is required for BSA licence.



## Restricted Electrical – Plumbers/Gas Licence, Motors Licence or Composite Licence

*Note: You must be a tradesperson or have equivalent experience to undertake this program*

**Program Description:**  
Covers specific electrical tasks, basic electrical principles and application to obtain a qualification for a Restricted Electrical Licence. Gain knowledge on safety and regulatory requirements for restricted licensing issued by the Electrical Safety Office (ESO), Department of Industrial Relations Queensland. Applicants should contact the ESO prior to enrolment to obtain a Training Permit.

**Duration:** 9 months part time  
**Offering:** Semester 1  
**Campus:** Ashmore

**Career Outcomes:** Obtain a trade qualification in plumbing work of principle trade.

## Course in Electrical Contracting

**Program Description:**  
Covers how to establish a contracting business, general legislative requirements, finance, control and electrical requirements.

**Duration:** 15 weeks part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Qualified Electricians who successfully complete all modules of this course within 5 years will be eligible to apply for an Electrical Contractors Licence.

## Backflow Prevention

**Program Description:**  
Covers installation, testing, maintenance and certification of backflow prevention devices and the continuing need to satisfy licensing/legislative requirements. Enrolment in this program will be assumed as confirmation that the participant has a good knowledge and understanding of the Plumbing and Drainage Act and the Standard Plumbing and Drainage Regulations.

**Duration:** Four days part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Ability to perform this scope of work with the licence required.

## Backflow Prevention Revalidation

**Program Description:**  
Refresher course to update Backflow ticket. Must have or had a Backflow ticket to participate.

**Duration:** 1 day part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcome:** Ability to perform this scope of work with the licence required.



## Course in Plumbing Licensing

**Program Description:**  
Learn training skills required to open plumbing licence to undertake plumbing work of principal trade and training requirements by the Department of Natural Resources, Mines and Water when seeking Gas Work Authorisation.

**Duration:** 12 months part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Work independently as a licenced Plumber or Sub Contractor.

## Thermostatic Mixing Valves

**Program Description:**  
Covers operating principles of commissioning and maintaining hot water temperature control devices and licensing/legislative requirements.

**Duration:** 1 week part time  
**Offering:** Semester 1 and 2  
**Campus:** Ashmore

**Career Outcomes:** Ability to perform this scope of work.

## Certificate IV in Competitive Manufacturing/Diploma of Competitive Manufacturing

**Program Description:**  
Acquire skills to assist Australian manufacturers to become more globally competitive. Learn about the competitive manufacturing system, process system capability, integrated business and logistical support, product management and skills in leadership and problem solving. Diploma students acquire knowledge on how to facilitate new product development.

**Duration:** 12 to 18 months part time  
**Offering:** Semester 1 and 2  
**Campus:** On-site at client's premises

**Career Outcomes:** Production Manager.

## Auto Air Conditioning and Automotive (Light Vehicle) Upskilling

**Program Description:**  
Gap training for those with considerable industry experience and limited or no formal qualifications, or required to work under a licence. Existing knowledge and skills are identified through Recognition of Prior Learning (RPL) or trade recognition to achieve a trade level outcome.

**Duration:** Up to 1 year part time  
**Offering:** Semester 1 and 2  
**Campus:** On site at client's premises. Ashmore for training upskilling component.

**Career Outcome:** Obtain a trade qualification in area of principle trade.