

MEM20105

## CERTIFICATE II IN ENGINEERING



### DURATION

Up to  
12 months



### DELIVERY MODEL

Workplace

## Course Description

The **MEM20105 Certificate II in Engineering** qualification is offered as a traineeship pathway and is designed to provide the minimum skills and knowledge required for working in the engineering/manufacturing industry and also includes meaningful credit towards an Australian Apprenticeship in an engineering related field. ASG have selected electives with a welding/fabrication focus but these can be modified to suit workplace requirements.

**Minimum Age: 14 Years**

## Course Fees

A student Co-Contribution fee is required in accordance with QLD Government User Choice Policy.

## Course Structure

5 Core Units  
13 Elective Units

## Core Units

- **MEM13014A:** Apply principles of occupational health and safety in the work environment
- **MEM14004A:** Plan to undertake a routine task
- **MEM15002A:** Apply quality systems
- **MEM15024A:** Apply quality procedures
- **MEM16007A:** Work with others in a manufacturing, engineering or related environment

## Elective Units

- **MEM05007C:** Perform manual heating and thermal cutting
- **MEM18001C:** Use hand tools
- **MEM16006A:** Organise and communicate information
- **MEM05004C:** Perform routine Oxy/Acetylene welding
- **MEM05005B:** Carry out mechanical cutting
- **MEM05006C:** Perform brazing and/or silver soldering
- **MEM05012C:** Perform routine manual arc and/or gas metal arc welding
- **MEM05050B:** Perform routine gas metal arc welding
- **MEM07032B:** Use workplace machines for basic operations
- **MEM09002B:** Interpret technical drawing
- **MEM11011B:** Undertake manual handling
- **MEM12023A:** Perform engineering measurements
- **MEM18002B:** Use power tools/hand held operations