

Metal Fabrication



Certificate III in Engineering – Fabrication Trade

MEM30305

A total of 4 units of credit – Preliminary and HSC

This qualification covers 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. The qualification may also be achieved through formal skills recognition assessment processes.

Job roles and employment outcomes

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.

Employment outcomes related to this qualification are found in a wide variety of manufacturing and engineering related sectors as well as Engineering Tradesperson - Fabrication roles in other industries.

Competency Based Assessment

This is a competency based course. This means that students work to develop the competencies, skills and knowledge described in each unit of competency. To be assessed as competent a student must demonstrate to a qualified assessor that they can effectively carry out the various tasks and combinations of tasks listed to the standard required in an engineering environment. There is no mark awarded in competency-based assessment. Students are assessed as either 'competent' or 'not yet competent'. Students will be progressively assessed as 'competent' or 'not yet competent' in individual units of competency. When a student achieves a unit of competency it is signed off and recorded by the assessor. Competency based assessment determines the vocational qualification that a student will receive

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 a 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