



CHANEL COLLEGE  
*Justice Respect Compassion*

## MEM20422 Certificate II in Engineering Pathways

QCE  
Points 4

Certificate

RTO Code	30570
Code	MEM20422
Accreditation	Certificate Course

**\*AVAILABLE for YEAR 12 STUDENTS ONLY \***

Students who have completed MEM10119 Certificate I in Engineering in Year 10 and 11 will gain credit transfer for competencies relevant to this qualification.

### QUALIFICATION DESCRIPTION

The qualification is intended for people interested in exposure to an engineering or related working environment with a view to entering into employment in that area. This qualification will equip graduates with knowledge and skills which will enhance their prospects of employment in an engineering or related working environment.

### QUALIFICATION PACKAGING RULES

Total Units = 12 (4 core units and 8 elective units)

Core Units	
MEM13015	Work safely and effectively in manufacturing and engineering
MEMPE005	Develop a career plan for the engineering and manufacturing industry
MEMPE006	Undertake a basic engineering project
MSMENV272	Participate in environmentally sustainable work practices

Elective Units	
MEM16006	Organise and communicate information
MEM18001	Use hand tools
MEM18002	Use power tools/handheld operations
MEMPE001	Use engineering workshop machine
MEMPE002	Use electric welding machines
MEMPE003	Use oxy-acetylene and soldering equipment
MEMPE004	Use fabrication equipment
MSMSUP106	Work in a team

### LEARNING EXPERIENCES

A range of teaching and learning strategies will be used to deliver the competencies. These include:

- practical tasks
- group work
- activities in simulated work environments
- work placements and industry observation tours

## **ASSESSMENT**

Assessment is competency based and therefore no levels of achievement are awarded. Assessment for this qualification is continuous and units of competency have been clustered into groups and assessed this way. Assessment includes observations, checklists of tasks, practical assignments, oral presentations, portfolio of work, scenarios/case studies and role play.

## **PATHWAYS**

After achieving this qualification, students may undertake further study in the Engineering industry or may work in related sectors.

## **RESOURCES REQUIRED**

There are no special requirements for this qualification.

## **FURTHER INFORMATION**

Contact Ms Going, Careers and VET Program Leader for further information. Students will also be provided with access to a VET Student handbook.

## **SERVICE AGREEMENT**

This is a two-year course. Students will be provided with every opportunity to complete the certificate as per the rights and obligations outlined in the VET Quality Framework. Students successfully achieving all qualification requirements will be provided with a Qualification and record of results.

Students who achieve at least one unit (but not the full qualification) will receive a Statement of Attainment. This may provide RPL evidence for training providers such as TAFE Queensland. Parents and students are also required to sign a Services Agreement prior to the students commencing a VET Qualification at Chanel College.

\* This qualification will be offered subject to the availability of human and physical resources. \*