

**QUALIFICATION TITLE:**

## MEM20413 Certificate II in Engineering Pathways

**PATHWAY:** Vocational Education and Training **TIMETABLE CODE:** VEP **DURATION:** Year 11 & 12

**PREREQUISITES:** Nil **USER PAYS FEES:** YR 11-\$125 YR 12 -\$125 (subject specific materials)

**COURSE OVERVIEW:**

This qualification delivers broad-based underpinning skills and knowledge in a range of engineering and manufacturing tasks which will enhance the graduates' entry-level employment prospects for apprenticeships, traineeships or general employment in an engineering-related workplace.

**UNITS OF COMPETENCY**

UNIT CODE	UNIT NAME
MEMPE003A	Use oxy-acetylene and soldering equipment
MEMPE005A	Develop a career plan for the engineering and manufacturing industry
MEM13014A	Apply principles of occupational health and safety in the work environment
MEM18002B	Use power tools/hand held operations
MEMPE006A	Undertake a basic engineering project
MSAENV272B	Participate in environmentally sustainable work practices
MEMPE002A	Use electric welding machines
MEM18001C	Use hand tools
MEMPE001A	Use engineering workshop machines
MSAPCI101A	Adapt to work in industry
MEMPE007A	Pull apart and re-assemble engineering mechanisms
MEM16006A	Organise and communicate information

**CAREER OPPORTUNITIES AND PATHWAYS**

Achievement of competence in units MEM13014A Apply principles of occupational health and safety in a work environment, MSAPMSUP106A Work in a team, MEM16006A Organise and communicate information, MEM16008A Interact with computing technology, MSAENV272B Participate in environmentally sustainable work practices, MEM18001C Use hand tools and MEM18002B Use power tools/hand held operations will provide credit towards a range of manufacturing and engineering trade and production qualifications. Achievement of competence in all of the other units will provide advanced progress towards reaching competence in units contained in other metal and engineering qualifications. *MSAPCI101A Adapt to work in industry* is a unit of competency that provides the opportunity for work placement.

**Disclaimer:** "The School must have qualified teachers and specific equipment to run this course. If the school loses access to these resources, the school will attempt to provide students with alternative opportunities to complete the course and the related qualifications. The school retains the right to cancel the vocational component of the course if it is unable to meet requirements."

Date Published: 25/06/21

Mountain Creek State High School RTO #30411

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