



Education

Public Schools NSW Wagga Wagga, RTO 90333

## MEM10119 Certificate I in Engineering and Statement of Attainment towards MEM20413 Certificate II in Engineering Pathways

### Entry Requirements:

Students must complete a VET Enrolment Form and supply their USI before the commencement of any training and assessment.  
Foundation skills may be accessed using the LLN Robot to determine the language, literacy and numeracy suitability of a student for this course.

**Course: Manufacturing and Engineering** (240 indicative hours) 4 Preliminary and/or HSC units in total  
Board Endorsed Course. **There is not an Australian Tertiary Admission Rank (ATAR) option for this course**  
Students must complete a minimum of 35 hours of work placement to meet the requirements of the HSC.

### Course Description

This board endorsed course is accredited for the HSC and provides students with the opportunity to obtain nationally recognised vocational qualifications. This is known as dual accreditation. Students will be able to gain skills in safe work practices, routine work activities, working with others, quality procedures and systems, the use of hand and power tools, and use of welding machines. Occupations in the manufacturing, engineering and related industries include fitter, toolmaker, structural steel welder, engineering draftsman, engineer (automotive, fabrications, production, plastics, marine, mechanical) boat builder/repairer and mechanical, production or marine engineer.

### Core Units of Competency

- MEM13015 Work safely and effectively in manufacturing and engineering (MEM10119)
- MEMPE006A Undertake a basic engineering project (MEM20413)
- MEMPE005A Develop a career plan for the engineering and manufacturing industry (MEM20413)

### Elective Units of Competency

- MEM16006 Organise and communicate information (MEM10119)
- MEM11011 Undertake manual handling (MEM10119)
- MEM18001 Use hand tools (MEM10119)
- MEM18002 Use power tools/handheld operations (MEM10119)
- MEM12024 Perform computations (MEM10119)
- MEM16008 Interact with computer technology (MEM10119)
- MEM07032 Use workshop machines for basic operations (MEM10119)
- MEMPE001A Use engineering workshop machines (MEM20413)
- MEMPE002A Use electric welding machines (MEM20413)
- MEMPE004A Use fabrication equipment (MEM20413)

Refer to the TAS for the qualification packaging rules.

**Students may apply for recognition of prior learning or be granted credit transfer provided suitable evidence is submitted.**

**Support services may be available to meet needs of individual students.**

### Qualifications

Students who are assessed as competent in the above units of competency will be eligible for a MEM10119 Certificate I in Engineering and a Statement of Attainment towards MEM20413 Certificate II in Engineering Pathways. Students who do not achieve competency in all the above units and achieve at least one unit of competency will be eligible for either a Statement of Attainment towards MEM10119 Certificate I in Engineering and/or a Statement of Attainment towards MEM20413 Certificate II in Engineering Pathways. MEM10119 Certificate I in Engineering will be delivered and assessed in the preliminary year and the Statement of Attainment towards MEM20413 Certificate II in Engineering Pathways will be delivered and assessed in the HSC year.

**Competency-based Assessment:** Students in this course work to develop the competencies, skills and knowledge described by each unit of competency above. To be assessed as competent a student must demonstrate to a qualified assessor that they can effectively carry out tasks to industry standards. Students will be progressively assessed as 'competent' or 'not competent' in individual units of competency.

**N Determinations:** Where a student has not met NESA course completion criteria, including meeting the mandatory work placement requirement, they will receive an "N" determination (course not satisfactorily completed). The course will not count towards the HSC although units of competency achieved will count towards an Australian Qualifications Framework (AQF) qualification.

**External Assessment (optional HSC examination): No.** There is **not** an external assessment (optional HSC examination) for this course and this course **does not** contribute towards an ATAR.

**Complaint or Appeals:** Students may lodge a complaint or appeal regarding assessment decisions through their VET trainer.

**Resources costs:** (school to insert resource fee information) Discuss payment options with your trainer

**Refund Arrangements:** on a pro-rata basis

**Delivery Arrangements:** school to insert specific information eg. Block 1-5pm, at another school, distance education

**Exclusions:** Refer to NESA Stage 6 VET Board Endorsed course description.

A school-based traineeship may be available in this course, for more information: <https://education.nsw.gov.au/public-schools/career-and-study-pathways/school-based-apprenticeships-and-traineeships>

For more information on possible outcomes please visit the NESA website: <http://educationstandards.nsw.edu.au/wps/portal/nesa/11-12/stage-6-learning-areas/vet>