MEM20105 Certificate II in Engineering

DESCRIPTION

This qualification covers the skills and knowledge required of workers employed as Engineering/manufacturing Employees -Level III as defined in the Manufacturing and Associated Industries and Occupations Award or in related industries where Engineering/ Manufacturing Employees work.

The qualification has been specifically developed to reflect the minimum training requirement specified in the Award for employment in the above occupation. The qualification packaging has been developed on an assumption that competency will be developed through a combination of on and off-the-job learning strategies such as those delivered through a formal traineeship. The qualification may also be achieved through formal skills recognition assessment processes.

APPLICATION

This qualification is designed to provide an industry recognised skills profile related to production work as an Engineering/ Manufacturing Employee - Level III. Competency development would typically be undertaken through an Australian Apprenticeships arrangement where the integration of on and off-the-job training would be specified in the Training Plan associated with the Contract of Training between the employer and trainee.

Assessment of some units of competency must, where indicated, include evidence of the candidate's performance in a productive work environment where there is a sufficient range of appropriate tasks and/or materials to cover the scope of application of those units. All outcomes must reflect the standard of performance required of the work associated with the Unit/s.

This qualification is not suited and should not be used for people who are not employed in an engineering production or manufacturing environment. It is not suited and should not be used for school students unless they are formally engaged in a traineeship in accordance with the Australian Apprenticeships policy.

ELIGIBILITY/ENTRY REQUIREMENTS

A Language, Literacy, Numeracy and Digital Literacy (LLND) evaluation helps identify any areas where you may need additional support to help you achieve your goals.

To gain entry into MEM20105 Certificate II in Engineering, candidates require:

- Formal traineeship with NETTS

Or

- Minimum of 6 months working within Engineering or Manufacturing industry

DELIVERY DETAILS

Location(s)	Casuarina
Duration*	6 to 12 months
Study mode ^^	Face to face

Dates ^	Term 1: 11/02/2026 to 03/04/2026 Term 2: 14/04/2026 to 02/06/2026 Term 3: 23/07/2026 to 09/09/2026 Term 4: 13/10/2026 to 27/11/2026 A specific commencement date will be determined in consultation with the delivery team. Students will receive an individualised plan.
Attendance ^	Block Delivery 3 x 2-week blocks Monday to Friday 8.00 am to 4.20 pm

** Duration may vary depending on how long a student takes to reach the required competency level.*
^ A course timetable/study plan will be provided on application for the course.
^^Information relating to study modes can be found in the 2026 TAFE Student Guide

FEES

Fee Type	2026 Course Fees
NT Government Supported*	$1,232.00 - $1,578.50
Full Fee	$5,126.40 - $6,568.20

*This course is supported by the NT Government for domestic eligible students who are NT residents. A limited number of NT Government supported places are available, so secure your place now.

Fees shown are indicative and subject to change annually. Actual course fees may vary depending on the units chosen. For International non-student visa-holders; study eligibility needs to be verified before enrolment. Fees may vary depending on the visa type. The course fee rates will vary for commercial contract arrangements.

For further clarification and information on fees, fee exemptions, payment options, instalment plans, and refunds, contact CDU on 1800 061 963 or refer to TAFE Fees and Payments.

ASSESSMENT

Skills and knowledge assessments are an essential step in progressing through your course. You may be assessed in a number of ways including written assessment, questioning, portfolios, work samples, direct observation, practical assessments and third-party feedback.

Throughout your course you will receive information about assessments including how, when and where assessments will be conducted.

RECOGNITION OF PRIOR LEARNING (RPL)

RPL is a process that determines whether the skills, knowledge and experience you've gained through your previous study, work or life experience can count towards a vocational training qualification at CDU. For more information, VET RPL.

CREDIT TRANSFER (CT)

Charles Darwin University as a Registered Training Organisation recognises the Australian Qualifications Framework qualifications and Statement of Attainments issued by any other Australian Registered Training Organisation (RTO).

Students are encouraged to submit any requests for credit from previous studies at the time of enrolment, to ensure they are not enrolling in units they may not need to undertake.

RESOURCES

Students are issued with workbooks and learning resources for all unit for the duration of the Course.

STUDY AND CAREER PATHWAYS

Further training pathways from this qualification include but are not limited to:

- MEM30319 Certificate III in Engineering – Fabrication Trade
- MEM30219 Certificate III in Engineering – Mechanical Trade.

Possible occupations relevant to this qualification include:

- Engineering/Manufacturing employees (Level III).

QUALIFICATION CONTENT

To achieve MEM20105 Certificate II in Engineering a total of about eighteen (18) units of competency must be completed comprising five (5) core and elective units comprising a minimum of 30 points, as detailed in the packaging rules and listed below.

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 (minimum of 30 points required)

		Points
MEM05005B*	Carry out mechanical cutting	2
MEM05007C	Perform manual heating and thermal cutting	2
MEM05012C	Perform routine manual metal arc welding	2
MEM05049B	Perform routine gas tungsten arc welding	2
MEM05050B	Perform routine gas metal arc welding	2
MEM09002B	Interpret technical drawing	4
MEM11011B	Undertake manual handling	2
MEM12023A	Perform engineering measurements	5
MEM12024A	Perform computations	3
MEM14005A	Plan a complete activity	4
MEM16006A	Organise and communicate information	2

MEM16008A	Interact with computing technology	2
MEM18001C	Use hand tools	2
MEM18002B	Use power tools/handheld operations	2
MSAENV272B	Participate in environmentally sustainable work practices	3

**Pre-requisite Requirement*

Prerequisite units	
MEM12023A	*Perform engineering measurements*
MEM18001C	*Use hand tools*

WITHDRAWING FROM A QUALIFICATION

You may withdraw from this qualification and receive, where relevant, a Statement of Attainment for all units of competency you have successfully completed.

SUPPORT SERVICES

The University provides support for students in many areas, including Accommodation, Careers and Employability, Counselling, Disability Services, Financial Support Services, Student Advocacy, Indigenous Tutorial Support Services, International Student Support Services, Library Services, and VET Learner Support Services.

More information is available at Student Support - Life, Health and Wellbeing

CONTACT DETAILS

VET Engineering and Construction

E. vet.mte@cdu.edu.au
T 08 8946 7507 (CAS) 08 8959 5465 (ASP)
W. https://www.cdu.edu.au/tafe

For further information regarding student life at CDU, please refer to https://www.cdu.edu.au/study/student-life.