

Course **Pre-Enrolment Guide**

Training Area:

Fabrication

Training Product:

MEM20422

**Certificate II in Engineering
Pathways**

MEM20422 Certificate II in Engineering Pathways

Release number	1
Required number of units for course completion	12
Course Duration	20 weeks, 16 weeks on campus and 4 weeks at work experience
Location/s	Geraldton
Delivery mode	Face to Face - Requires you to attend classes on campus and may include activities such as demonstrations, practice and feedback, discussions and group activities. In some courses there is a requirement to undertake some of the training and/or assessment in a workplace.

Course Description

This qualification develops trade-like skills and is not intended to develop trade-level skills. As an example, the outcome level of welding skills from this qualification is not about learning trade -level theory and practice of welding; it is about being introduced to welding, how it can be used to join metal with the opportunity to weld some metal together. Similarly, with machining the outcome should be something produced on a lathe etc., not the theory and practice of machining. The focus should be on using engineering tools and equipment to produce or modify objects. This needs to be done in a safe manner for each learner including people near the learner.

This qualification applies to a learning and assessment environment where access to structured on-the-job learning in a workplace may not be available. This qualification is intended for simulated work environments.

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

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.

The learning program should be centred around the major project.

[MSMPCI101](#) Adapt to work in industry is a unit of competency that provides the opportunity for work placement.

No licensing, legislative or certification requirements apply to this qualification at the time of publication. Local regulations should be checked.

Course Considerations

Before enrolling in MEM20422 Certificate II in Engineering Pathways, it's important to understand the physical, environmental, and behavioural demands of the course and work placements.

Physical Requirements:

- Standing for long periods of time.
- Working in confined spaces or at heights.
- Operating or being around mobile plant and machinery.
- Manual handling and use of hand and power tools.

Environmental Requirements:

- Working outdoors may be required during work placement.
- Exposure to heat, cold, noise, and dust.
- Working in busy, team-based workshop or site environments.

Workplace Behaviour Expectations:

- Punctuality, reliability, and readiness to learn.
- Wearing and caring for required personal protective equipment (PPE).
- Always maintaining a safety-first mindset.
- Respecting others and working professionally in shared spaces.

This course is suited to students who enjoy practical, hands-on work, are physically capable, and can commit to safe and responsible behaviour in engineering environments.

Course fees

For information about fees, refer to the Course Website.

[Courses | Central Regional Tafe](#)

Course Pathways

The Certificate II in Engineering Pathways is an entry level qualification intended to be used as a pathway to provide the skills, knowledge and vocational experience for learners, including school students, who are considering entering into an engineering apprenticeship.

Career pathways include entry into any of the engineering apprenticeship trades with examples being:

- Engineering Tradesperson Fabrication (Boilermaking)
- Engineering Tradesperson Mechanical (Fitting and Machining)
- Engineering Tradesperson (Fixed Plant Mechanic)
- Engineering Tradesperson (Refrigeration and Air conditioning)
- Locksmithing

Exit points:

Should a learner not be able to complete all the units of competency required they will be issued a Record of Achievement or a Statement of Attainment for the individual units for which they have been assessed as competent.

Upon successful completion of the full course.

National/State Course Entry Requirements

There are no entry requirements for this qualification.

Central Regional TAFE (CR TAFE) Entry Requirements

You must have a Unique Student Identifier (USI) to enrol in and complete any nationally recognised training in Australia. If you do not have a USI or need help getting one, we can assist you with the process.

Language, Literacy, Numeracy and Digital (LLND) Requirements

CR TAFE is required to review your language, literacy, numeracy and digital (LLND) skills to help you decide if the course is right for you, identify any support you might need, or whether other courses may be better suited to you at this time.

For this course, the method of LLND review will be (Lecturers to insert current or intended LLND methods) These may include but are not limited to:

- an interview with a CRTAFE staff member
- LLND quiz

Learning resources and equipment you need to bring

You are required to provide (at your own expense) the following list of resources/equipment:

- High Vis or similar long sleeve cotton work shirt and pants
- Eye protection (safety glasses)
- Closed toe safety boots
- Stationery

Textbooks

The lecturer will provide all required textbooks.

Work Experience

Work experience is a valuable part of this course. Your lecturer has recommended a suitable amount of work experience to help you develop practical skills and complete some assessment tasks in a real-world setting. Your lecturer will help identify and organise a suitable workplace for you.

Students are required to complete a minimum of 40 hours of work experience. Work experience may be completed during the final four weeks of the course or progressively throughout the course on Thursdays and Fridays, depending on workplace availability and scheduling arrangements.

The work experience component is designed to complement the delivery of MEM20422 units by allowing students to apply underpinning knowledge and practical skills in an authentic workplace setting. Work experience activities will align with the outcomes of MSMPCI101 Adapt to work in industry, including workplace communication, teamwork, safe work practices, and adapting to industry standards and procedures within engineering and manufacturing environments.

Timetable and Training Hours

The timetable provided helps you plan your week and understand your study commitments. The timetable shows which days and times you need to attend training. It helps you plan ahead and manage your participation.

TIME	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
8:00 am- 12:00 pm	P Block Room 014	P Block Room 014	P Block Room 014		
12:00 pm - 12:45 pm LUNCH BREAK					
12:45 pm- 3:45 pm	P Block Room 014	P Block Room 014	P Block Room 014		

Assessment Methods

- Knowledge questions: This involves answering questions, either orally or in writing relating to the unit of competency.
- Observations: This involves your assessor or a third party (workplace supervisor) observing you perform tasks in the workplace and/or simulated workplace to check that you have the knowledge and skills required for the unit of competency.
- Project: This involves completing tasks or activities in the workplace and/or simulated workplace to show that you can apply the knowledge and skills required for the unit of competency.

Note: The specific assessments required for each unit of competency will be outlined in the Training and Assessment Plan (TAP) for that unit. You will receive a copy of the TAP for each unit when you enrol.

Further information

More information can be found in our Student Handbook, available for download off our website [here](#)

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Or enquire via our website enquiry form [here](#):



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