GIPPSLAND
INSTITUTE OF TECHNOLOGY

MEM40119

CERTIFICATE IV IN ENGINEERING

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MEM40119 Certificate IV in Engineering
CRICOS COURSE CODE: 113391G

COURSE DESCRIPTION

This qualification defines the skills and knowledge required for a higher engineering tradesperson within metal, engineering, manufacturing and associated industries.

TARGET MARKET

The target market for this course is international students who:

- Possess an appropriate visa that allows them to study at an Australian registered CRICOS provider.
- Wish to undertake this course to access further study or employment opportunities.
- Have successfully completed year 12 or secondary studies in their home country or in Australia.
- Possess little or no vocational experience.
- Are 18 years of age at course commencement.
- Are comfortable undertaking learning and assessment activities via face to face classes, independent study and work placement.
- Can participate in learning and assessment activities for approximately 26 hours per week over 77 weeks term time (Learners spend different amounts of time on independent learning and assessment activities).
- Are physically fit to complete manual tasks such as: moving objects while applying manual handling techniques.

COURSE STRUCTURE

Students are required to complete units of competency to a value of 132 points must be achieved chosen as outlined below:

NATIONALLY RECOGNISED TRAINING

- Core units of competency listed below (totalling 33 points)
- Elective units of competency to a minimum value of 12 points from Group A
    - Elective units of competency to a maximum value of 87 points from Group B to bring the total value to 132 points.

Core Units

MEM09002 Interpret technical drawing.
MEM11011 Undertake manual handling.
MEM12023 Perform engineering measurements.
MEM12024 Perform computations.
MEM13015 Work safely and effectively in manufacturing and engineering.
MEM14006 Plan work activities.
MEM16006 Organise and communicate information.
MEM16008 Interact with computing technology.
MEM17003 Assist in the provision of on-the-job training.
MEM18001 Use hand tools.
MEM18002 Use power tools/handheld operations.
MSMENV272 Participate in environmentally sustainable work practices.

Elective Units

MEM16001 Give formal presentations and take part in meetings.
MEM16012 Interpret technical specifications and manuals.
MEM16011 Communicate with individuals and small groups.
MEM16014 Report technical information.
MEM16010 Write reports.
MEM05052 Apply safe welding practices.

MEM05085 Select welding processes.
MEM11016 Order materials.
MEM05004 Perform routine oxy fuel gas welding.
MEM05006 Perform brazing and/or silver soldering.
MEM03003 Perform sheet and plate assembly.
MEM05005 Carry out mechanical cutting.
MEM05012 Perform routine manual metal arc welding.
MEM05050 Perform routine gas metal arc welding.
MEM05007 Perform manual heating and thermal cutting.
MEM05049 Perform routine gas tungsten arc welding.
MEM05013 Perform manual production welding.
MEM12007 Mark off/out structural fabrications and shapes.
MEM05037 Perform geometric development.
MEM12006 Mark off/out (general engineering).
MEM07005 Perform general machining.
MEM05090 Weld using manual metal arc welding process.
MEM05089 Assemble fabricated components.
MEM13019 Undertake work health and safety activities in the workplace.
MEM05091 Weld using gas metal arc welding process.
MEM05014 Monitor quality of production welding/fabrications.
MEM05092 Weld using gas tungsten arc welding process.
MEM05094 Repair, replace and/or modify fabrications.
MEM05010 Apply fabrication, forming and shaping techniques.

COURSE CURRENCY STATUS: Current

LOCATION

Training and assessment will take place at the Gippsland Institute of Technology at 4/70 Main Street Pakenham, Melbourne, Victoria, Australia 3810, 15-17 Racecourse Rd, North Melbourne, Victoria, 3051 and 3/7-9 Bormar Drive, Pakenham, Victoria 3810. Students are also required to undertake some training and assessment activities in their own time.

COURSE INTAKES

Intakes throughout the year. Contact the Institute for details.

QUALIFICATION

Upon successful completion of all the units of competency in this course, students will be issued a MEM40119 Certificate IV in Engineering certificate and a Record of results. If a student successfully completes some but not all of the units of competency in the course, they will be issued a Statement of attainment indicating the units they have successfully completed.

DELIVERY METHODS

The course is delivered via face-to-face training and independent study. The following techniques are employed during face-to-face delivery depending on the subject matter: trainer demonstrations, power point presentations, individual tasks, research, role plays, practical demonstrations, and group work. The context of the simulated workplace environment will be incorporated into delivery methodologies and students' complete tasks to workplace standards.

Students also undertake work placement, independent study and assessment activities in addition to scheduled classes. Examples of activities include undertaking homework set by trainers, research, reading, practicing applying knowledge and skills learnt in class, and preparing for and undertaking out of class assessment tasks.

WORK PLACEMENT

Students must undertake a period of work placement in an organisation that addresses course requirements. Work placement is a mandatory course requirement. Students must undertake 440 hours of work tasks that relate to units of competency within the course. There is no minimum number of work placement hours to be completed for each individual unit of competency.

ASSESSMENT METHODS

Assessment methods used include knowledge questions, reports, research activities and practical demonstrations/ observations.

Methods also include work placements and simulated workplace environments whereby workplace environments and conditions are simulated and student student's complete tasks to workplace standards.

COURSE DURATION

This course is delivered over 93 weeks. This includes 77 weeks of term time and 16 weeks of holidays.

COURSE HOURS AND COMMITMENT

During term time students attend scheduled face to face classes for 16 hours per week. Face to face classes is scheduled during the day or evening or mixture of both. Day time classes are 8 hours and evening classes are 4 hours in duration. Day classes operate from 8.30am to 5.30pm and evening classes 6.00 to 10.00pm.

Students are required to undertake work placement for 22 weeks at 20 hours per week. Work placement is undertaken during term time.

Students will be required to undertake additional independent study and assessment activities completed outside of the classroom for approximately 10 hours per week. Independent study is a mandatory part of the course. Students also have the option of attending a supervised study session for 4 hours per week. Total study commitment per week is 26 hours per week (30 hours per week if attending supervised study sessions).

ENTRY REQUIREMENTS

Students must be over 18 years of age at the time of course commencement. Students must secure an appropriate visa that allows them to study in an Australian Registered Training organisation prior to course commencement.

ACADEMIC ENTRY REQUIREMENTS

To gain entry to this course, students must have successfully completed year 12 or secondary studies in applicants home country equivalent to an Australian Year 11* or 12 qualification. (*Subject to the country Assessment Level) and course.

ENGLISH LANGUAGE ENTRY REQUIREMENTS

Applicants for this qualification must have a minimum English language proficiency of IELTS 6.0 (overall band) with not less than 5.5 in any individual component or an equivalent exam result recognised by the Australian Department of Home Affairs. Applicants can also arrange to undertake an English language test with the Institute.

NUMERACY AND DIGITAL LITERACY ENTRY REQUIREMENTS

Applicants for this course should possess numeracy skills of ACSF level 2 and digital literacy skills of level 3. During the enrolment process your numeracy and digital literacy ability is assessed to ensure you can address course requirements.

RESOURCE ENTRY REQUIREMENTS

Students must supply their own laptop with Microsoft Office software e.g., Office 365 Personal that includes Outlook, Word, Excel, PowerPoint, & Publisher. Institute will confirm the software requirements with each student pre-enrolment. Students must supply their own safety boots/ shoes with protective toecaps.

PRE-TRAINING REVIEW

To ensure applicants are placed in a suitable course with an appropriate training and assessment strategy, we review applicants existing knowledge, skills, experience, and qualifications. You will be asked to complete this Pre-Training Review form during the enrolment process by providing details of your existing knowledge, skills, experience, and qualifications that are relevant to the course being applied for. This includes an assessment of your numeracy and digital literacy skills. This process helps us determine the most suitable course for you and identify any learning needs you may have and whether we can appropriate support these. Gippsland Institute of Technology will then review this information and respond to you with the outcome of the review.

RECOGNITION OF PRIOR LEARNING (RPL)

Recognition of Prior Learning is the process of formal recognition for skills and knowledge gained through previous learning. You may be eligible for recognition of prior learning for part or all your intended course, based on your previous experiences and learning.

CREDIT TRANSFER

You may be eligible for a credit transfer if you have previously undertaken training through an Australian Registered Training Organisation. Students who have successfully completed whole units of competency with an Australian Registered Training

Organisation that are identical to any of those contained within this course can apply for Credit Transfer.

TRAINING PATHWAY

Students who successfully complete this course may progress onto the MEM50119 Diploma of Engineering - Advanced Trade or another related engineering course at Diploma level.

EMPLOYMENT PATHWAY

Successful completion of this qualification may provide career opportunities as higher engineering tradesperson within metal, engineering, manufacturing and associated industries. Completing this course does not guarantee a graduate will secure a relevant job.

TUITION FEE: $25,000
MATERIALS FEE: $3,000 (Includes cost of learning materials, Tool Kit, and hire of tools).
ENROLMENT FEE: $250

PAYMENT – On enrolment $15,750 is payable of which $250 is a non-refundable enrolment fee. The materials fee is non-refundable after students have commenced their course. $12,250 is payable one week prior to the commencement of term 4 or to help manage the cost of your study Gippsland Institute of Technology offers a payment by instalments. This means you make small regular payments. Your first payment is required to confirm your enrolment in the course.

RECOGNITION OF PRIOR LEARNING FEE – Refer to Fees and refund procedure for details. All fees indicated are in Australian dollars.

WORK SHOES

The following suppliers sell work shoes. Refer to the sites for information on prices.

https://www.Kmart.com.au https://www.tradiesworkwearshop.com.au https://www.hardyakka.com.au/

FURTHER INFORMATION

Please contact the GIT Admission Team on details below:

www.git.vic.edu.au |+61 3 5941 5070 |info@git.vic.edu.au
4/70 Main Street, Pakenham, Melbourne, VIC 3810, Australia
RTO: 45698 **CRICOS No:** 03921A

NATIONALLY RECOGNISED TRAINING

Gippsland Institute of Technology

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