GIPPSLAND INSTITUTE OF TECHNOLOGY

MEM80125

GRADUATE DIPLOMA OF ENGINEERING

MEM80125 GRADUATE DIPLOMA OF ENGINEERING

MEM80125 Graduate Diploma of Engineering

CRICOS COURSE CODE: 119725H

COURSE DESCRIPTION

This qualification defines the skills and knowledge required to undertake high level supervisory technician and technical officer work across a range of discipline areas including mechanical, mechatronics, manufacturing, maintenance, and heating ventilation air-conditioning and refrigeration (HVACR) in manufacturing and engineering. The qualification provides the opportunity to gain advanced theoretical knowledge and technical skills in either a specific discipline area or across a broad field of technical work and learning.

In some jurisdictions, units in this qualification may relate to licensing or regulatory requirements. Licensing and regulatory information is included in the relevant units of competency. Local regulations should be checked.

LICENSING/REGULATORY INFORMATION

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

NATIONALLY RECOGNISED TRAINING

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 an Advanced Diploma of Engineering or a Diploma of Engineering, or a relevant Certificate IV or Certificate III together with significant relevant vocational practice in an engineering related role, or a Bachelor's degree; or other higher education qualification, with relevant vocational practice in an engineering related role 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 and independent study
- can participate in learning and assessment activities for approximately 26 hours per week over 44 weeks term time
- are physically fit to complete manual tasks such as: moving objects while applying manual handling techniques

COURSE STRUCTURE

Students are required to undertake a total of 10 units to complete this course. This comprises 3 core and 7 elective units.

CORE UNITS

MEM234002	Integrate engineering technologies
MEM234035	Maintain and apply technical and engineering skills
MSMENV672	Develop workplace policy and procedures for environmental sustainability

ELECTIVE UNIT

MEM234001	Plan and manage engineering-related projects or operations
MEM234013	Plan and design engineering-related manufacturing processes
MEM234028	Produce and manage technical documentation
MEM234027	Plan and manage materials supply for an engineering project or manufacturing operation
MEM13015	Work safely and effectively in manufacturing and engineering
MEM30012	Apply mathematical techniques in a manufacturing engineering or related environment
BSBHRM611	Contribute to organisational performance development

COURSE CURRENCY STATUS: Current

LOCATION

Students will undertake in class assessments at the Gippsland Institute of Technology campus at 4/70 Main Street, Pakenham Victoria 3810, Factory 3, 7-9 Bormar Drive Pakenham, and 15-17 Racecourse Road North Melbourne VIC 3051.

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 MEM80125 Graduate Diploma of Engineering testamur 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 student's complete tasks to workplace standards.

Students also undertake 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.

ASSESSMENT METHODS

Assessment methods used include knowledge questions, reports, research activities and practical demonstrations/ observations. Methods also include simulated workplace environments whereby workplace environments and conditions are simulated and student student's complete tasks to workplace standards.

COURSE DURATION

This course is offered over two different durations:

52 weeks including holidays on a full-time basis. This includes 44 weeks of term time and 8 holiday weeks. Holiday periods include three two-week term break and a two week Christmas break.

COURSE HOURS AND COMMITMENT

52 WEEK COURSE DURATION: During term time students attend scheduled face to face classes for 16 hours per week. 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. Total study commitment per week is 26 hours per week (30 hours per week if attending supervised study sessions).

Face to face classes is scheduled during the day or night or mixture of both. Day time classes are 8 hours and night classes are 4 hours in duration. Day classes operate from 8.30am to 5.30pm and night classes 6.00 to 10.00pm.

Students also have the option of attending a supervised study session for 4 hours per week.

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:

- an Advanced Diploma of Engineering or a Diploma of Engineering, or a
- relevant Certificate IV or Certificate III together with significant relevant vocational practice in an engineering related role, or a
- Bachelor's degree; or other higher education qualification, with relevant vocational practice in an engineering related role.

ENGLISH LANGUAGE ENTRY REQUIREMENTS

Applicants for this qualification must have a minimum English language proficiency of IELTS 6.0 (overall band) or an equivalent exam result recognised by the Australian Department of Home Affairs. This entry requirement includes applicants demonstrating an mminimum of IELTS 5.5 in each component.

NUMERACY AND DIGITAL LITERACY ENTRY REQUIREMENTS

Applicants for this course should possess numeracy skills of ACSF level 3 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 shoes with protective toe caps.

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 master-level programs in engineering, engineering management or project management.

EMPLOYMENT PATHWAY

This course provides participants with the skills to obtain high-level supervisory technician and technical officer roles across mechanical, mechatronics, manufacturing, maintenance and HVACR fields in manufacturing and engineering industries. Possible job titles relevant to this qualification include.

- Engineering Manager
- Engineering Systems Manager
- Senior Supervisory Technical
- Technical Officer
- Operations Coordinator

Completing this course does not guarantee a graduate will secure a relevant job.

TUITION FEE (52 week course duration): $20,000
MATERIALS FEE: $1,500 (Includes cost of learning materials and hire of tools).
ENROLMENT FEE: $250

PAYMENT: On enrolment $11,750 is payable of which $250 is a non-refundable enrolment fee. The materials fee is non-refundable after students have commenced their course. $10,000 is payable one week prior to the commencement of term 3 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

RTO: 45698 | CRICOS Code: 03921A
Head Office: 4/70 Main Street, Pakenham, VIC 3810, Australia
www.git.vic.edu.au | info@git.vic.edu.au | 03 5941 5070