



**BLUEDOGTRAINING**



Proud to be a Queensland Government  
subsidised training provider

# **MEM40119**

## **Certificate IV in Engineering**

### **Course Information Booklet**

[Apprenticeships@bluedogtraining.com.au](mailto:Apprenticeships@bluedogtraining.com.au)



**NATIONALLY RECOGNISED  
TRAINING**



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## Introduction

Thank you for expressing an interest in the *MEM40119 Certificate IV in Engineering* qualification. The training you will undertake for this qualification is nationally accredited training.

### What to Expect

The skills associated with this qualification are intended to apply to a wide range of engineering work undertaken in the fields of refrigeration and air conditioning, casting and moulding, computer numerically controlled (CNC) programming, fluid power, heavy fabrication, instrumentation, maintenance, plant mechanics, marine electronics, mechatronics, patternmaking, robotics, toolmaking, welding and watch and clock services and repair, including post-trade work.

### Accreditation

Students who successfully complete all requirements of this course will be issued with a *MEM40119 Certificate IV in Engineering* qualification certificate and a Record of Results.

Students who do not complete all units of competency within the qualification will receive a Statement of Attainment for the units of competency that have been successfully achieved.

Please take time to read the information in this document and the Blue Dog Training [Student Handbook](#), as it is very important you select the right course for you.

## Qualification Details

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

It provides the skills and knowledge for a person to understand and implement quality control techniques, exercise good interpersonal and communications skills, work from complex instructions and procedures, exercise discretion within the scope of responsibility, perform work under limited supervision either individually or in a team environment, be responsible for assuring the quality of their own work, provide trade guidance and assistance as part of a work team, perform non-trade tasks which are incidental or peripheral to the primary tasks and facilitate the completion of the whole task, inspect products and/or materials for conformity with established operational standards, operate lifting equipment incidental to their work and assists in the provision of training in conjunction with supervisors and trainers.

### Enrolment

This qualification may be accessed by direct entry. While there is no qualification entry requirement, it is assumed that the student:

- Already is a tradesperson with access to structured on and off-the-job training or
- Is an apprentice under an Australian Apprenticeship arrangement.

It should not be used as a pre-employment or pre-apprenticeship program. It is specifically designed to cover the skills and knowledge required of workers employed as



Engineering/Manufacturing Tradesperson – Special Class Level II as defined in the Manufacturing and Associated Industries and Occupations Award.

## Training Plan

To be awarded the *MEM40119 Certificate IV in Engineering* units of competency to a value of 132 points must be achieved, chosen as outlined below:

- Core units of competency listed below (totaling 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.

Appropriate Group B elective units to the value of 14 points may be chosen from this Training Package, other endorsed Training Packages and accredited courses where those units are available for inclusion in Certificate III and Certificate IV qualifications. Only select units that would be suitable for occupational outcomes in a higher engineering trade environment.

Registered Training Organisations (RTOs) must seek a determination from the industry parties in respect of the allocation of points values for units of competency drawn from other Training Packages or accredited courses.

Determination of points requests are to be submitted to the industry parties through Innovation and Business Skills Australia (IBSA) Manufacturing. Refer to the MEM Companion Volume Implementation Guide - available through <https://training.gov.au/Training/Details/MEM40119>) - for information on determination of unit points values.

The MEM Companion Implementation Guide (Release 2.1 Volume 1, March 2021) also identifies that holders of the following qualifications, or equivalent, with the completion of additional units of competency drawn from Specialization units Group A to a minimum value of 12 points and Specialization units from Group B to bring the total value of additional units to at least 36 points (note that additional units are those units not included in the Certificate III qualification already held) – can meet the minimum requirements for *MEM40119 Certificate IV in Engineering*.

- MEM30219 Certificate III in Engineering – Mechanical Trade
- MEM30319 Certificate III in Engineering – Fabrication Trade
- MEM30619 Certificate III in Jewellery Manufacture
- MEM30719 Certificate III in Marine Craft Construction
- MEM30819 Certificate III in Locksmithing
- MEM30919 Certificate III in Boating Services
- MEM31019 Certificate III in Watch and Clock Service and Repair
- MEM31119 Certificate III in Engineering – Composites Trade
- MEM31219 Certificate III in Engineering – Industrial Electrician



- MEM31319 Certificate III in Refrigeration and Air Conditioning
- MEM31419 Certificate III in Engineering – Fixed and Mobile Plant Mechanic
- MEM31719 Certificate III in Engineering – Casting and Moulding Trade

## Prerequisites

The MEM Manufacturing and Engineering Training Package units of competency are built on a structure of accumulated skills and knowledge. This means that there are hierarchies of skills and knowledge that are built up from a range of competencies. This may have an impact on training and assessment delivery strategies.

Any units of competency that underpin or support progress towards others are listed as prerequisites. Ideally, prerequisite skills will be developed and accumulated concurrently and as part of the development and acquisition of the specific competency they underpin. Points associated with prerequisites count towards the total.

Prerequisite units of competency will be covered during training plan negotiations.

## Course Details

### Course Duration

This is a competency-based course. The duration of your course will depend on a number of factors including:

- Your own efforts and commitment to submitting assessments regularly and on time
- Your study load (i.e. full-time or part-time), and
- How many units of competency (if any) are eligible for credit transfer and/or recognition of previous experience and qualifications.

If you are already **an existing engineering tradesperson** it is anticipated you will be able to complete your course/qualification within 12 months, due to the recognition of prior learning (RPL) and/or Credit Transfer you will be granted for your already achieved Certificate III level qualification.

If you are going to complete the qualification as an **apprentice under a training contract**, the nominal term of your apprenticeship is **48 months**.

To achieve a reasonable rate of progression and completion within the expected duration of 48 months it is anticipated you would achieve 33 specified competency points within each 12-month period. The sequence of delivery for each apprentice is negotiated with the employer and apprentice at the induction and is reflected in the apprentice's individual training plan.

### Support Services

Blue Dog Training can offer support services that meet your individual needs. For more information, please refer to our Student Handbook.



## Blue Dog Training Model

Regardless of if you are undertaking this course as an apprentice or already qualified tradesperson, the Blue Dog Training blended mode of delivery means that you gain the practical skills aligned to the qualification on-the-job, and complete training and assessment via the Blue Dog Training online platform. You progress through the course at your own pace and a trainer is available to support you every step of the way.

The Blue Dog Training online student management system houses your underpinning knowledge, learning progress and assessment activities. It also houses an electronic Skills Profiler or logbook, which you are required to keep updated through the uploading of photographic evidence, to support your portfolio of practical activities undertaken.

The Skills Profiler also records the frequency of tasks as an indication of the amount of experience you are gaining in a particular task.

Your online formal learning and assessment is accessed, recorded and tracked via an individualised student login.

As an apprentice, under the requirements of your training contract, your employer **must** release you from work and pay the appropriate wages to attend any off-the-job training, including assessment as provided for in your Training Plan.

A trainer from Blue Dog Training can discuss your individual training needs with you and your employer and develop an individualised training plan to suit your requirements.

## Resources

Resources you will require for the course are:

- Access to a computer, printer and internet
- Adobe Acrobat Reader <https://get.adobe.com/reader/>
- A device which will allow you to take digital photographs

## Training Costs

As a Department of Trade, Employment and Training (DTET) Skills Assure Supplier (SAS), Blue Dog Training is pleased to be able to offer this qualification under the following programs which provide a Queensland Government subsidy:

1. **Career Boost – General Training program** – if you are an existing tradesperson and/or have extensive industry experience
2. **Career Boost – Apprenticeship program** – for an apprenticeship.

To be eligible for subsidised training you will need to meet eligibility criteria determined by the Queensland Government, for the program which applies to you.



## 1. DTET Career Boost – General Training Program

To be eligible for the DTET Career Boost – General Training program and Queensland Government subsidised training you must meet the eligibility requirements for the program as follows:

- Aged 15 years or older.
- Not be a school student.
- Be a permanent Queensland resident.
- Be an Australian citizen, or Australian permanent resident (includes humanitarian entrant), or a temporary resident with the right visa and work permits on the pathway to permanent residency, or a New Zealand citizen
- Not already have a Certificate IV or higher qualification (including tertiary qualification) completed within the last 10 years (qualifications started as a school student, and foundation skills qualifications, do not count).
- Not be enrolled in any other qualification, whether funded or unfunded, except for foundation skills qualifications.

### Enrolment Fees

Given the increase in benefits that students and industry accrue from higher-level training, there is an expectation of higher levels of co-contribution under the Career Boost – General Training program. The fee is a non-government financial contribution to the cost of the training and assessment services provided by the SAS (Blue Dog Training). This fee is paid to the SAS once the enrolment application has been approved.

The fee may be paid on behalf of the student by a third party unrelated to Blue Dog Training but cannot be paid or waived by Blue Dog Training (whether directly or indirectly) unless approved in writing by DTET.

The total amount of this fee will depend on the units of competency selected and the points allocated to these. On this basis the fees are determined as follows:

- \$1.60 per nominal hour or
- \$0.64 per nominal hour, concessional rate.

On this basis an estimate of the total would be approximately \$2,100 standard rate or \$840 concessional rate. For details of costs per unit, please visit [here](#).

Further information regarding the DTET Career Boost – General Training program can be found at:

- [https://www.publications.qld.gov.au/dataset/skills-assure-supplier-framework/resource/276e0619-693d-48c0-b8c3-1db81f262c5a?inner\\_span=True](https://www.publications.qld.gov.au/dataset/skills-assure-supplier-framework/resource/276e0619-693d-48c0-b8c3-1db81f262c5a?inner_span=True)
- <https://dtet.qld.gov.au/training/providers/funded/career-boost>



## 2. DTET Career Boost – Apprenticeship Program

The Career Boost – Apprenticeship program provides a public funding contribution towards the cost of training and assessment for eligible Queensland apprentices and trainees.

The program recognises that employment-based training aligned to skills shortages is a critical priority for the Queensland Government. It aims to provide funding aligned to the skills needs of industry and respond to changing government priorities.

Through the Career Boost – Apprenticeship program, the government contributes towards the cost of training for eligible Queensland apprentices and trainees. Instead of paying for the full cost of training, apprentices or trainees and their employers will pay a reduced amount.

The program provides the flexibility for apprentices, trainees and their employers to select a government-approved registered training organisation (RTO or training provider) to provide the training.

To be eligible to receive subsidised training under the Career Boost – Apprenticeship program you must meet specific criteria including:

- Are currently employed as a Queensland apprentice (under a registered training contract) in an eligible apprenticeship or traineeship qualification through this Program.
- Not be a school student
- Not currently be enrolled in any other qualification, whether funded or unfunded, except for foundation skills qualifications
- Not already have a Certificate IV or higher qualification (including tertiary qualification) completed within the last 10 years (qualifications completed as a school student, and foundation skills qualifications, do not count)
- Not exceed a maximum of two government-funded apprenticeships/traineeships within a 10-year period.

The government contribution for a Career Boost – Apprenticeship funding contribution is detailed in the apprentice or trainee's letter of registration from DTET and is subject to student eligibility and their selection of an eligible training provider to deliver their training and assessment.

### Funding Rules

Apprentices and trainees can only receive one (1) government contribution for a Career Boost funded qualification at any single point in time.

In addition, apprentices and trainees, including school-based apprenticeships and traineeships (SATs), can only receive a maximum of two (2) government funding contributions under the current Career Boost program.

There are other rules specifically related to funding for SATs, so students and their parents/guardians should discuss their intentions with their school's vocational education and



training coordinator prior to signing up as a SAT. Apprentice Connect Australia Providers are another good source of information.

## Enrolment fees

Usually, students are required to pay a student contribution fee, which is a non-government financial contribution to the cost of the training and assessment services provided by the SAS (Blue Dog Training). This fee is paid to the SAS.

Student contribution fees under the Career Boost – Apprenticeship program are set by DTET at \$1.60 per nominal hour for each unit of competency/module to be calculated at the commencement of the unit of competency/module. In some cases, though, a SAS may be able provide either a partial or full exemption for a student in respect to the student contribution fee.

**Partial exemption (tuition fees)** applies where the student falls into one or more of the following exemption categories:

- a) The student was or will be under 17 years of age at the end of February in the year in which Blue Dog Training provides training, and the student is not at school and has not completed year 12.
- b) The student holds a Health Care Card or Pensioner Concession Card issued under Commonwealth Law, or is the partner, or a dependent of a person, who holds a Health Care Card or Pensioner Concession Card and is named on the card.
- c) The student has issued Blue Dog Training with an official form under Commonwealth Law confirming that the student, his or her partner, or the person of whom the student is a dependent, is entitled to concessions under a Health Care Card or Pensioner Concession Card.
- d) The student is of Aboriginal or Torres Strait Islander descent. Acceptable evidence is as stated on the Training Contract and AVETMISS VET Enrolment Form.

In these situations Blue Dog Training will charge 40 percent of the student contribution fee.

**Full exemption (tuition fees)** is available in limited and specific circumstances, for example where payment of the student contribution fee would cause extreme financial hardship for the student or situations where the Queensland Government, as represented by a DTET (departmental) officer responsible for the Career Boost – Apprenticeship budget, advises in writing that fees are optional.

In these situations DTET will need to be involved in the decision making process.

**Free apprenticeships for Under 25s** – Blue Dog Training will not charge a student contribution fee to a student who:

- a) Meets the participant eligibility to receive a government contribution and is eligible either under the Free apprenticeships for Under 25s initiative, and



- b) Enrols in a high priority qualification identified by the department for Free apprenticeships on the current DTET Career Boost Price List.

## How Do I Enrol in The Career Boost – General Training Program?

Once you have made your decision you will need to complete an enrolment form which is available on our website.

Before you enrol you must read the Blue Dog Training Student Handbook. As part of the enrolment process you will be asked to agree to abide by the policies and procedures set by Blue Dog Training. The Student Handbook is available on the website and provides information about the Blue Dog Training services, procedures and policies, including Student Fee Refund Policy and Appeals Policy.

To confirm your eligibility for enrolment you will need to provide **at least one item** from each of the following columns in the table below.

<b>Proof of Citizenship / Permanency *</b>	<b>Proof of Qld Residency *</b>	<b>Proof of Concession (if applicable)</b>
Green Medicare Card	Qld Driver's Licence	Healthcare Card
Australian or New Zealand Passport	Rates/Utilities Bill	Pensioner Card
Permanent Residency Visa	QLD Bank Statement	Evidence of Adult Prisoner
Temporary residency visa with the necessary visa and work permits on the pathway to permanent residency	QLD Vehicle Registration Certificate	Proof of Aboriginal / Torres Strait Islander descent

## How Do I Become an Apprentice?

Individuals who are 13 years of age or older may be eligible to undertake an apprenticeship in most occupations.

If you are under 18 years of age at the start date of your apprenticeship, your parent or guardian must provide signed consent to the apprenticeship, if appropriate.

As a general rule, only Australian citizens and New Zealand citizens who have entered Australia on a valid passport, have unrestricted rights to enter an apprenticeship or traineeship in Australia. Any other person wanting to participate in an apprenticeship or traineeship in Australia must have a visa allowing employment. Visa holders may engage in apprenticeships and traineeships provided their work rights allows this, based on information and advice provided by the Department of Home Affairs.

More information of apprenticeship training can be found at the DTET website



(<https://desbt.qld.gov.au/training>.)

## Authenticity of Assessment

The assessment work you submit as evidence of your knowledge, skills and experience must be completed by you and not anyone else.

The Blue Dog Training assessment judgement processes will enable this authenticity to be confirmed through the final discussion that a Blue Dog Training trainer/assessor will have with you once your assessment evidence has been submitted and reviewed.

This discussion takes the form of a 'competency conversation' and is designed to confirm, through open-ended questions, how you have applied your knowledge and skills related to the evidence you have provided. Once it has been conducted it enables the Blue Dog Training trainer/assessor to make their professional judgement knowing that all of the 'Rules of Evidence' have been applied.

## How Do I Make Payment for My Training?

Payment can be made via Direct Deposit or Credit Card. Further details are available on the enrolment form.

## Staff Contact Details

For further information, please contact our staff below.

<b>Training Managers:</b>	Andrew Moren and Kerry Theuerkauf
<b>Phone:</b>	07 3331 6002
<b>Email:</b>	<a href="mailto:Apprenticeships@bluedogtraining.com.au">Apprenticeships@bluedogtraining.com.au</a>

## Disclaimer

This Student Course Information contains information that is correct at the time of printing. Changes to legislation, government programs and/or [Blue Dog Training](#) policies may impact on the currency of information included. [Blue Dog Training](#) reserves the right to vary and update information without notice. You are advised to seek any changed information and/or updates from your trainer or by contacting [Blue Dog Training](#).

This document has been prepared as a resource to assist students to understand their obligations and also those of [Blue Dog Training](#). Please carefully read through the information contained in this document. In addition to this document all students need to read, understand, be familiar with, and follow the policies and procedures outlined in the [Blue Dog Training](#) Student Handbook.