BLUEDOGTRAINING

CO-CONTRIBUTION FEE SHEET

MEM40119 Certificate IV in Engineering – General Training Program

Full Fee (Co-Contribution)

Fees are charged at $1.60 per nominal hour for each unit of competency/module.

Partial Fee Exemption (Co-Contribution)

40 per cent of the fees are charged where the participant falls into one or more of the following exemption categories:

- Holds a Health Care, Veteran or Pensioner Concession Card issued under Commonwealth law, or is the partner or a dependant of a person who holds such a card and is named on the card.
- Holds an official form issued under Commonwealth law confirming that the individual, their partner or the person of whom they are a dependant, is entitled to concessions under a Health Care, Veteran or Pensioner Concession Card.
- Identifies as Aboriginal or Torres Strait Islander.
- Has a disability.
- Is from a non-English speaking background.
- Is an adult prisoner.

Packaging Rules

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:

- All Core units of competency 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.

Imported Elective Unit: Appropriate elective units to the value of 14 points may be chosen from this Training Package, other endorsed Training Packages and accredited courses and count towards Group B elective units where those units are available for inclusion at Certificate III and Certificate IV qualifications.

Unit Details

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Core	**MEM09002**	Interpret technical drawing [18] [19] [20] [22]	4	40	$64.00
Core	**MEM11011**	Undertake manual handling [20] [22]	2	20	$32.00
Core	**MEM12023**	Perform engineering measurements [20] [22]	5	30	$48.00
Core	**MEM12024**	Perform computations [20] [22]	3	30	$48.00
Core	**MEM13015**	Work safely and effectively in manufacturing and engineering	2	40	$64.00
Core	**MEM14006**	Plan work activities [20] [22]	4	30	$48.00
Core	**MEM16006**	Organise and communicate information [20]	2	20	$32.00
Core	**MEM16008**	Interact with computing technology [20] [22]	2	20	$32.00
Core	**MEM17003**	Assist in the provision of on-the-job training [20] [22]	2	20	$32.00
Core	**MEM18001**	Use hand tools [16] [20] [22]	2	20	$32.00
Core	**MEM18002**	Use power tools/hand held operations [16] [20] [22]	2	20	$32.00
Core	**MSMENV272**	Participate in environmentally sustainable work practices	3	30	$48.00

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Elective Group A	**MEM12003**	Perform precision mechanical measurement [16] [18] [20] [22]	2	20	$32.00
Elective Group A	**MEM14001**	Schedule material deliveries [20] [22]	8	80	$128.00
Elective Group A	**MEM14002**	Undertake basic process planning [20] [22]	8	20	$32.00
Elective Group A	**MEM14003**	Undertake production scheduling [20] [22]	8	80	$128.00
Elective Group A	**MEM16001**	Give formal presentations and take part in meetings [20] [22]	2	20	$32.00
Elective Group A	**MEM16011**	Communicate with individuals and small groups [20] [22]	2	20	$32.00
Elective Group A	**MEM17001**	Assist in development and deliver training in the workplace [20] [22]	2	20	$32.00
Elective Group A	**MEM17002**	Conduct workplace assessment [16] [20] [22]	2	20	$32.00
Elective Group A	**MEM18011**	Shut down and isolate machines/equipment [16] [20] [22]	2	20	$32.00
Elective Group A	**MEM18021**	Maintain hydraulic systems [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [31] [32]	4	40	$64.00

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Elective Group B	**MEM03003**	Perform sheet and plate assembly [16] [20] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM05004**	Perform routine oxy fuel gas welding [16] [20] [22]	2	19	$30.40
Elective Group B	**MEM05005**	Carry out mechanical cutting [16] [18] [20] [22] [23]	2	20	$32.00
Elective Group B	**MEM05006**	Perform brazing and/or silver soldering [16] [20] [22]	2	20	$32.00
Elective Group B	**MEM05007**	Perform manual heating and thermal cutting [15] [16] [18] [20] [22]	2	20	$32.00
Elective Group B	**MEM05010**	Apply fabrication, forming and shaping techniques [5] [15] [16] [18] [19] [20] [21] [22] [23] [24]	8	80	$128.00
Elective Group B	**MEM05089**	Assemble fabricated components [1] [2] [8] [9] [15] [16] [18] [19] [20] [21] [22] [23] [24] [A]	8	80	$128.00
Elective Group B	**MEM05012**	Perform routine manual metal arc welding [16] [20] [22]	2	20	$32.00
Elective Group B	**MEM05090**	Weld using manual metal arc welding process [4] [8] [9] [15] [16] [18] [19] [20] [21] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM05091**	Weld using gas metal arc welding process [7] [8] [9] [15] [16] [18] [19] [20] [21] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM05092**	Weld using gas tungsten arc welding process [6] [8] [9] [15] [16] [18] [19] [20] [21] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM05094**	Repair, replace and/or modify fabrications [1] [2] [3] [8] [9] [15] [16] [18] [19] [20] [21] [22] [23] [24] [B]	4	40	$64.00
Elective Group B	**MEM05037**	Perform geometric development [15] [18] [19] [20] [21] [22]	6	60	$96.00
Elective Group B	**MEM05096**	Weld using flux core arc welding process [8] [9] [10] [16] [18] [19] [20] [21] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM05049**	Perform routine gas tungsten arc welding [16] [20] [22]	2	20	$32.00
Elective Group B	**MEM05050**	Perform routine gas metal arc welding [16] [20] [22]	2	20	$32.00
Elective Group B	**MEM05085**	Select welding processes [20] [22] [C]	2	20	$32.00
Elective Group B	**MEM05052**	Apply safe welding practices [20] [22] [C]	4	40	$64.00
Elective Group B	**MEM05056**	Perform routine flux core arc welding [16] [20] [22]	2	20	$32.00
Elective Group B	**MEM07003**	Perform routine machine setting [14] [16] [18] [20] [22] [23]	4	40	$64.00
Elective Group B	**MEM07005**	Perform general machining [15] [16] [18] [19] [20] [21] [22] [23]	8	80	$128.00
Elective Group B	**MEM07006**	Perform lathe operations [11] [15] [16] [18] [19] [20] [21] [22] [23]	4	40	$64.00
Elective Group B	**MEM07007**	Perform milling operations [11] [15] [16] [18] [19] [20] [21] [22] [23]	4	40	$64.00

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Elective Group B	**MEM07008**	Perform grinding operations [11] [15] [16] [18] [19] [20] [21] [22] [23]	4	40	$64.00
Elective Group B	**MEM07011**	Perform complex milling operations [11] [13] [15] [16] [17] [18] [19] [20] [21] [22] [23]	4	40	$64.00
Elective Group B	**MEM07021**	Perform complex lathe operations [11] [12] [15] [16] [17] [18] [19] [20] [21] [22] [23]	4	40	$64.00
Elective Group B	**MEM07024**	Operate and monitor machine and process [16] [20] [22]	4	40	$64.00
Elective Group B	**MEM08010**	Manually finish/polish materials [16] [20] [22] [23]	6	60	$96.00
Elective Group B	**MEM11016**	Order materials [20] [22]	2	20	$32.00
Elective Group B	**MEM12006**	Mark off/out (general engineering) [15] [16] [18] [19] [20] [21] [22]	4	40	$64.00
Elective Group B	**MEM12007**	Mark off/out structural fabrications and shapes [15] [16] [18] [19] [20] [21] [22]	4	40	$64.00
Elective Group B	**MEM13003**	Work safely with industrial chemicals and materials [16] [20] [22]	2	20	$32.00
Elective General B	**MEM16004**	Perform internal/external customer service [20] [22]	2	20	$32.00
Elective General B	**MEM16005**	Operate as a team member to conduct manufacturing, engineering or related activities [16] [20] [22]	2	20	$32.00
Elective General B	**MEM18003**	Use tools for precision work [16] [18] [20] [22] [23] [24]	4	40	$64.00
Elective Group B	**MEM18004**	Maintain and overhaul mechanical equipment [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [32]	4	40	$64.00
Elective Group B	**MEM18005**	Perform fault diagnosis, installation and removal of bearings [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32]	4	40	$64.00
Elective Group B	**MEM18006**	Perform precision fitting of engineering components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [32]	6	60	$96.00
Elective Group B	**MEM18007**	Maintain and repair mechanical drives and mechanical transmission assemblies [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32]	4	40	$64.00
Elective Group B	**MEM18009**	Perform precision levelling and alignment of machines and engineering components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32]	4	36	$57.60
Elective Group B	**MEM18012**	Perform installation and removal of mechanical seals [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32]	2	20	$32.00
Elective Group B	**MEM18013**	Perform gland packing [16] [18] [20] [22] [23]	2	19	$30.40

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Elective Group B	**MEM18020**	Maintain hydraulic system components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32]	4	40	$64.00
Elective Group B	**MEM18055**	Dismantle, replace and assemble engineering components [15] [16] [18] [20] [22] [23] [24]	3	30	$48.00
Elective Group B	**MEM27001**	Maintain and repair stationary and mobile plant engine cooling systems [15] [16] [18] [20] [22] [23] [24] [32]	2	20	$32.00
Elective Group B	**MEM27002**	Test and repair compression ignition systems [16] [18] [20] [22] [23]	4	40	$64.00
Elective Group B	**MEM27005**	Tune diesel engines [15] [16] [18] [20] [22] [23] [24] [32] [33]	4	40	$64.00
Elective Group B	**MEM27006**	Diagnose and rectify batteries, low voltage sensors and circuits [15] [16] [18] [20] [22] [23] [24] [32]	8	40	$64.00
Elective Group B	**MEM27008**	Maintain induction, exhaust and emission control systems [15] [16] [18] [20] [22] [23] [24] [32]	4	40	$64.00
Elective Group B	**MEM27009**	Diagnose and rectify braking systems [15] [16] [18] [20] [22] [23] [24] [32]	6	40	$64.00
Elective Group B	**MEM27014**	Diagnose and rectify automatic transmissions [15] [16] [18] [20] [22] [23] [24] [32]	8	80	$128.00
Elective Group B	**MEM27015**	Diagnose and rectify drive line and final drives [15] [16] [18] [20] [22] [23] [24] [32]	4	40	$64.00
Elective Group B	**MEM27016**	Diagnose and maintain electronic controlling systems on mobile and stationary plant [15] [16] [18] [20] [22] [23] [24] [32] [34] [35]	4	30	$48.00
Elective Group B	**MEM27017**	Maintain, fault find and rectify hydraulic systems for mobile plant [15] [16] [18] [20] [22] [23] [24] [32]	4	60	$96.00
Elective Group B	**MEM27019**	Diagnose, repair and replace diesel engines in stationary and mobile plant [15] [16] [18] [20] [22] [23] [24] [32]	5	50	$80.00
Elective Group B	**MEM27020**	Apply knowledge of large combustion engine operations to service and maintenance tasks [15] [20] [22]	2	20	$32.00
Elective Group B	**MEM27023**	Diagnose and rectify fieldbus circuits in mobile and stationary plant and equipment [15] [16] [18] [20] [22] [23] [24] [32] [34]	4	40	$64.00
Elective Group B	**MEM27030**	Perform engine bottom-end overhaul [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [32]	4	40	$64.00

UNIT TYPE	UNIT CODE	UNIT NAME	POINTS	HOURS	FEES
Imported Elective	**MEM30012**	Apply mathematical techniques in a manufacturing engineering or related environment	4	40	$64.00

Fee Disclaimer: *These fees are subject to change in accordance with applicable Queensland Government funding requirements at the time of enrolment in the individual Unit of Competency.*

Prerequisites

[1] Where this symbol is next to a unit name then “MEM05005 Carry out mechanical cutting” is a pre-requisite

[2] Where this symbol is next to a unit name then “MEM05007 Perform manual heating and thermal cutting” is a pre-requisite

[3] Where this symbol is next to a unit name then “MEM05089 Assemble fabricated components” is a pre-requisite

[4] Where this symbol is next to a unit name then “MEM05012 Perform routine manual metal arc welding” is a pre-requisite

[5] Where this symbol is next to a unit name then “MEM05037 Perform geometric development” is a pre-requisite

[6] Where this symbol is next to a unit name then “MEM05049 Perform routine gas tungsten arc welding” is a pre-requisite

[7] Where this symbol is next to a unit name then “MEM05050 Perform routine gas metal arc welding” is a pre-requisite

[8] Where this symbol is next to a unit name then “MEM05085 Select welding processes” is a pre-requisite

[9] Where this symbol is next to a unit name then “MEM05052 Apply safe welding practices” is a pre-requisite

[10] Where this symbol is next to a unit name then “MEM05056 Perform routine flux core arc welding” is a pre-requisite

[11] Where this symbol is next to a unit name then “MEM07005 Perform general machining” is a pre-requisite

[12] Where this symbol is next to a unit name then “MEM07006 Perform lathe operations” is a pre-requisite

[13] Where this symbol is next to a unit name then “MEM07007 Perform milling operations” is a pre-requisite

[14] Where this symbol is next to a unit name then “MEM07024 Operate and monitor machine and process” is a pre-requisite

[15] Where this symbol is next to a unit name then “MEM09002 Interpret technical drawing” is a pre-requisite

[16] Where this symbol is next to a unit name then “MEM11011 Undertake manual handling” is a pre-requisite

[17] Where this symbol is next to a unit name then "MEM12003 Perform precision mechanical measurement" is a pre-requisite

[18] Where this symbol is next to a unit name then "MEM12023 Perform engineering measurements" is a pre-requisite

[19] Where this symbol is next to a unit name then "MEM12024 Perform computations" is a pre-requisite

[20] Where this symbol is next to a unit name then "MEM13015 Work safely and effectively in manufacturing and engineering" is a pre-requisite

[21] Where this symbol is next to a unit name then "MEM14006 Plan work activities" is a pre-requisite

[22] Where this symbol is next to a unit name then "MEM16006 Organise and communicate information" is a pre-requisite

[23] Where this symbol is next to a unit name then "MEM18001 Use hand tools" is a pre-requisite

[24] Where this symbol is next to a unit name then "MEM18002 Use power tools/handheld operations" is a pre-requisite

[25] Where this symbol is next to a unit name then "MEM18003 Use tools for precision work" is a pre-requisite

[26] Where this symbol is next to a unit name then "MEM18005 Perform fault diagnosis, installation and removal of bearings" is a pre-requisite

[27] Where this symbol is next to a unit name then "MEM18006 Perform precision fitting of engineering components" is a pre-requisite

[28] Where this symbol is next to a unit name then "MEM18007 Maintain and repair mechanical drives and mechanical transmission assemblies" is a pre-requisite

[29] Where this symbol is next to a unit name then "MEM18009 Perform precision levelling and alignment of machines and engineering components" is a pre-requisite

[30] Where this symbol is next to a unit name then "MEM18011 Shut down and isolate machines/equipment" is a pre-requisite

[31] Where this symbol is next to a unit name then "MEM18020 Maintain hydraulic components" is a pre-requisite

[32] Where this symbol is next to a unit name then "MEM18055 Dismantle, replace and assemble engineering components" is a pre-requisite

[33] Where this symbol is next to a unit name then "MEM27002 Test and repair compression ignition systems" is a pre-requisite

[34] Where this symbol is next to a unit name then "MEM27006 Diagnose and rectify batteries, low voltage sensors and circuits" is a pre-requisite

[35] Where this symbol is next to a unit name then "MEM27023 Diagnose and rectify fieldbus circuits in mobile and stationary plant and equipment" is a pre-requisite

Additional Prerequisite Requirement

[A] Where this symbol is next to a unit name then at least one of the following, including their prerequisites, are pre-requisites:

"MEM05090 Weld using manual metal arc welding process"

"MEM05091 Weld using gas metal arc welding process"

"MEM05092 Weld using gas tungsten arc welding process"

"MEM05097 Weld using oxy fuel gas welding process"

[B] Where this symbol is next to a unit name then at least one of the following, including their prerequisites, are pre-requisites:

"MEM05090 Weld using manual metal arc welding process"

"MEM05091 Weld using gas metal arc welding process"

"MEM05092 Weld using gas tungsten arc welding process"

"MEM05096 Weld using flux core arc welding process"

"MEM05097 Weld using oxy fuel gas welding process"

Additional Corequisite Requirement

[C] Where this symbol is next to a unit name then this unit can only be selected in conjunction with one or more of the following units:

"MEM05090 Weld using manual metal arc welding process"

"MEM05091 Weld using gas metal arc welding process"

"MEM05092 Weld using gas tungsten arc welding process"

"MEM05023 Weld using submerged arc welding process"

"MEM05096 Weld using flux core arc welding process"

"MEM05097 Weld using oxy fuel gas welding process"