



BLUEDOGTRAINING

MEM31419 Certificate III in Engineering – Fixed and Mobile Plant Mechanic Co-Contribution Fee Sheet

1 FULL FEE (Co-Contribution)

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

- Co-contribution fees are set by the Department.
- Co-contribution fees must be calculated at the commencement of each unit or module.
- The Co-contribution fee applies consistently across all Skills Assure Suppliers delivering apprenticeships and traineeships.

2 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:

- The participant was or will be under 17 years of age at the end of February in the year in which the SAS provides training and is not at school and has not completed year 12.
- The participant 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.
- The participant identifies as Aboriginal or Torres Strait Islander.

3 FULL FEE EXEMPTION (Co-Contribution)

No fees are charged where the participant falls into one or more of the following categories:

- A credit transfer applies to a unit of competency/module.
- Transitional gap training applies when transitioning an apprentice/trainee from a superseded qualification or unit of competency where a previously completed unit of competency is identified as similar but not equivalent.
- The participant is a school-based apprentice or trainee.
- The participant is under 25 years of age at the commencement of their apprenticeship/traineeship.

4 PACKAGING RULES

To achieve the **MEM31419 Certificate III in Engineering – Fixed and Mobile Plant Mechanic** qualification, competency must be achieved in units to the value of 96 points as outlined below:

- Core units of competency to a value of 63 points.
- Elective units of competency to a minimum value of 33 points from Group A.

Imported Elective Unit: Appropriate Group A elective units to the value of 8 points may be chosen from other endorsed Training Packages and accredited courses where those units are available for inclusion at Certificate III. Only select units that would be suitable for occupational outcomes in a fixed and/or mobile plant mechanic trade environment.



5 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 | 40 | \$64.00 |
| 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/handheld operations [16] [20] [22] | 2 | 20 | \$32.00 |
| Core | MEM18055 | Dismantle, replace and assemble engineering components [15] [16] [18] [20] [22] [23] [24] | 3 | 30 | \$48.00 |
| Core | MEM27006 | Diagnose and rectify batteries, low voltage sensors and circuits [15] [16] [18] [20] [22] [23] [24] [32] | 8 | 40 | \$64.00 |
| Core | 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 |
| Core | MEM27017 | Maintain, fault find and rectify hydraulic systems for mobile plant [15] [16] [18] [20] [22] [23] [24] [32] | 4 | 60 | \$96.00 |
| Core | MEM27019 | Diagnose, repair and replace diesel engines in stationary and mobile plant [15] [16] [18] [20] [22] [23] [24] [32] | 5 | 50 | \$80.00 |
| Core | MEM27020 | Apply knowledge of large combustion engine operations to service and maintenance tasks [15] [20] [22] | 2 | 20 | \$32.00 |
| Core | 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 |
| Core | MSMENV272 | Participate in environmentally sustainable work practices | 3 | 30 | \$48.00 |
| Unit Type | Unit Code | Unit Name | Points | Hours | Fees |
| Elective Group A | MEM05007 | Perform manual heating and thermal cutting [15] [16] [18] [20] [22] | 2 | 20 | \$32.00 |
| Elective Group A | MEM05012 | Perform routine manual metal arc welding [16] [20] [22] | 2 | 20 | \$32.00 |
| Elective Group A | MEM05049 | Perform routine gas tungsten arc welding [16] [20] [22] | 2 | 20 | \$32.00 |
| Elective Group A | MEM05050 | Perform routine gas metal arc welding [16] [20] [22] | 2 | 20 | \$32.00 |
| Elective Group A | MEM07005 | Perform general machining [15] [16] [18] [19] [20] [21] [22] [23] | 8 | 80 | \$128.00 |
| Elective Group A | MEM18003 | Use tools for precision work [16] [18] [20] [22] [23] [24] | 4 | 40 | \$64.00 |
| Elective Group A | 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 A | MEM18006 | Perform precision fitting of engineering components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [32] | 6 | 60 | \$96.00 |
| Elective Group A | MEM18009 | Perform precision levelling and alignment of machines and engineering components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32] | 4 | 40 | \$64.00 |
| Elective Group A | 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 A | MEM18013 | Perform gland packing [16] [18] [20] [22] [23] | 2 | 20 | \$32.00 |



| Unit Type | Unit Code | Unit Name | Points | Hours | Fees |
|-------------------|-----------|--|--------|-------|----------|
| Elective Group A | MEM18020 | Maintain hydraulic system components [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [32] | 4 | 40 | \$64.00 |
| Elective Group A | MEM18021 | Maintain hydraulic systems [15] [16] [18] [19] [20] [21] [22] [23] [24] [25] [27] [31] [32] | 4 | 40 | \$64.00 |
| Elective Group A | 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 A | MEM27002 | Test and repair compression ignition systems [16] [18] [20] [22] [23] | 4 | 40 | \$64.00 |
| Elective Group A | MEM27005 | Tune diesel engines [15] [16] [18] [20] [22] [23] [24] [32] [33] | 4 | 40 | \$64.00 |
| Elective Group A | MEM27008 | Maintain induction, exhaust and emission control systems [15] [16] [18] [20] [22] [23] [24] [32] | 4 | 40 | \$64.00 |
| Elective Group A | MEM27009 | Diagnose and rectify braking systems [15] [16] [18] [20] [22] [23] [24] [32] | 6 | 40 | \$64.00 |
| Elective Group A | MEM27014 | Diagnose and rectify automatic transmissions [15] [16] [18] [20] [22] [23] [24] [32] | 8 | 80 | \$128.00 |
| Elective Group A | MEM27015 | Diagnose and rectify drive line and final drives [15] [16] [18] [20] [22] [23] [24] [32] | 4 | 40 | \$64.00 |
| Elective Group A | 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 | MEM05004 | Perform routine oxy fuel gas welding [16] [20] [22] | 2 | 19 | \$30.40 |
| Imported Elective | MEM05005 | Carry out mechanical cutting [16] [18] [20] [22] [23] | 2 | 20 | \$32.00 |
| Imported Elective | MEM05006 | Perform brazing and/or silver soldering [16] [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM05056 | Perform routine flux core arc welding [16] [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM08010 | Manually finish/polish materials [16] [20] [22] [23] | 6 | 60 | \$96.00 |
| Imported Elective | MEM11016 | Order materials [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM12003 | Perform precision mechanical measurement [16] [18] [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM12006 | Mark off/out (general engineering) [15] [16] [18] [19] [20] [21] [22] | 4 | 40 | \$64.00 |
| Imported Elective | MEM13003 | Work safely with industrial chemicals and materials [16] [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM16004 | Perform internal/external customer service [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | MEM16005 | Operate as a team member to conduct manufacturing, engineering or related activities [16] [20] [22] | 2 | 20 | \$32.00 |
| Imported Elective | 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 |
| Imported Elective | 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 |
| Imported Elective | MEM18011 | Shut down and isolate machines/equipment [16] [20] [22] | 2 | 20 | \$32.00 |



6 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