Modification History

| Release | Comments |
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| Release 1 | This version released with FWP Forest and Wood Products Training Package Version 5.0 |

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| FWP3XXXX | Certificate III in Saw Technology |
| Qualification Description  This qualification reflects the job role of saw technicians who service, maintain and align saw blades, knives and guides for timber sawmilling machines and other applications. Saw technicians may also inspect, test, maintain and troubleshoot mechanical components on sawing machine centres to achieve sawing production rates and product tolerances.  No licensing, legislative or certification requirements apply to this qualification at the time of publication. | |
| Entry Requirements  There are no entry requirements for this qualification. | |
| Packaging Rules  To achieve this qualification, competency must be demonstrated in:   * 26 units of competency: * 7 core units plus * 19 elective units.   Elective units must ensure the integrity of the qualification’s Australian Qualification Framework (AQF) alignment and contribute to a valid, industry-supported vocational outcome. The electives are to be chosen as follows:   * All units from Group A or Group B * A minimum of 8 units from Group C * All remaining units from Group C and D * Up to 2 units from any currently endorsed Training Package or accredited course.   Elective units must be relevant to work undertaken in the sawmilling and processing sector of the industry.  Core Units   |  |  | | --- | --- | | BSBFLM312 | Contribute to team effectiveness | | FWPCOT3XXX | Assess and maintain saw technology tools | | FWPSAW3218 | Replace tungsten tips | | FWPSAW3228 | Apply principles of blade design to sawing procedures | | FWPCOT3XXX | Sharpen and position blades or knives for chipper, canter and reducer | | FWPCOT3XXX | Identify levelling and tensioning requirements for saw blades | | FWPCOT3XXX | Apply knowledge of timber properties, sawmill operations and sawmilling equipment |   Elective Units  An asterisk (\*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.  Group A – General electives (service operations)   |  |  | | --- | --- | | FWPCOR2201 | Work effectively in the forest and forest products industry | | FWPCOR3201 | Implement safety, health and environment policies and procedures | | FWPCOR2202 | Communicate and interact effectively in the workplace | | FWPCOT3204 | Prepare and interpret sketches and drawings |   Group B – General electives (maintenance engineering) (subject to the release of the new MEM version)   |  |  | | --- | --- | | MEM13015 | Work safely and effectively in manufacturing and engineering | | MEM16006A | Organise and communicate information | | MEM14006 | Plan work activities | | MEM09002B | Interpret technical drawing |   Group C – Saw technology (service operations)  Servicing saw blades and guides   |  |  | | --- | --- | | FWPCOT3215 | Swage and shape saw blades | | FWPCOT3XXX | Replace saw blades, knives and guides | | FWPSAW3XXX | Sharpen band saw blades | | FWPSAW3XXX | Sharpen circular saw blades | | FWPSAW3XXX | Sharpen tipped circular saw blades | | FWPSAW3219 | Replace Stellite tips | | FWPCOT3XXX | Assess and maintain saw blade and sawing machine performance | | FWPSAW3XXX | Level and tension circular saw blades | | FWPSAW3XXX | Assess and maintain wide band saw blades | | FWPCOT3XXX | Operate CNC equipment for grinding, tensioning and levelling saw blades | | FWPSAW3XXX | Recondition saw guides |   Servicing cutters for timber processing   |  |  | | --- | --- | | FWPCOT3XXX | Sharpen cutters using a straight knife grinder | | FWPCOT3XXX | Sharpen cutters in head using a profile knife grinder | | FWPCOT3XXX | Sharpen cutters in head using a straight knife grinder | | FWPCOT3217 | Assess and maintain cutter performance | | FWPCOT3XXX | Manufacture profile cutters | | FWPCOT3237 | Produce templates |   Servicing sawing machine   |  |  | | --- | --- | | FWPSAW3209 | Align sawing production systems | | FWPSAW3XXX | Assess and maintain band saw wheels |   Other services   |  |  | | --- | --- | | FWPSAW3XXX | File and set saw blades for hand saws and circular saws | | FWPCOT3XXX | Hand sharpen knives and blades for commercial and domestic cutting services | | FWPCOT2XXX | Operate and maintain a table saw |   Group D – Saw technology (maintenance engineering)  Mechanical maintenance   |  |  | | --- | --- | | MEM18055B\* | [Dismantle, replace and assemble engineering components](https://training.gov.au/Training/Details/MEM18055B) | | MEM18001C | [Use hand tools](https://training.gov.au/Training/Details/MEM18001C) | | MEM12023A | [Perform engineering measurements](https://training.gov.au/Training/Details/MEM12023A) | | MEM11011B | Undertake manual handling | | MEM12024A | Perform computations | | MEM18002B | Use power tools/hand held operations |   Welding   |  |  | | --- | --- | | FWPSAW3214 | Join band saw blades | | MEM05006C | Perform brazing and/or silver soldering | | MEM05049B | Perform routine gas tungsten arc welding | | MEM05050B | Perform routine gas metal arc welding |   Quality processes   |  |  | | --- | --- | | FWPCOT3263 | Maintain and contribute to energy efficiency | | FWPCOT3XXX | Apply principles of timber and process optimisation in the sawmill | | FWPCOT3XXX | Apply knowledge of wood technology principles to end-use applications | | MSS404052 | Apply statistics to operational processes | | MSMSUP390 | Use structured problem-solving tools | | [MSS402040](https://training.gov.au/Training/Details/MSS402040) | Apply 5S procedures | | |

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| Prerequisite requirements   |  |  | | --- | --- | | Unit of competency | Prerequisite requirement | | MEM18055B Dismantle, replace and assemble engineering components | MEM09002B Interpret technical drawing MEM12023A Perform engineering measurements MEM18001C Use hand tools  MEM18002B Use power tools/hand held operations | |

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| Qualification Mapping Information   | Code and title current version | Code and title previous version | Comments | Equivalence status | | --- | --- | --- | --- | | FWP3XXXX Certificate III in Saw Technology | FPI30711 Certificate III in Sawdoctoring (Release 3) | Qualification updated to reflect new name, additional units added to the core, units removed, and additional imported units. |  | |
| Links  Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47 |