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 Wood Machining |
| Qualification Description  This qualification reflects the job role of wood machinists who work in a sawmill or other timber processing environment and set up, operate and maintain machines such as large automated planers/moulders and saws to cut, plane and profile timber to specifications. This involves interpreting work orders to establish job requirements, selecting and setting up knives and cutters to machinery, aligning knives, operating machines to cut, plane and profile timber, and cleaning and maintaining machines and equipment.  No licensing, legislative or certification requirements apply to this qualification at the time of writing. | |
| Entry Requirements  There are no entry requirements for this qualification. | |
| Packaging Rules  To achieve this qualification, competency must be demonstrated in:   * 27 units of competency: * 8 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:   * A minimum of 8 units from Group A * A minimum of 4 units from Group B * All remaining units from Group A, B, 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 | | FWPCOR2201 | Work effectively in the forest and forest products industry | | FWPCOR2202 | Communicate and interact effectively in the workplace | | FWPCOT2219 | Use hand-held tools | | FWPCOR3201 | Implement safety, health and environment policies and procedures | | FWPCOR3202 | Conduct quality and product care procedures | | FWPCOT3204 | Prepare and interpret sketches and drawings | | 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 – Operating timber processing machines   |  |  | | --- | --- | | FWPCOT3XXX | Load and prove operating program for computer numerical controlled (CNC) machine | | FWPSAW3XXX | Set up and run multi-head moulder/planer to produce simple profiles | | FWPSAW3XXX | Set up and run multi-head moulder to produce complex profiles | | FWPCOT2XXX | Operate and maintain a thicknesser | | FWPCOT2XXX | Operate and maintain a table saw | | FWPSAW3XXX | Set up and operate production saws used in sawmill operations | | FWPCOT3XXX | Set up, operate and maintain finger jointing machines | | FWPCOT3XXX | Cut timber products using high speed optimiser | | FWPCOT3XXX | Set up, operate and maintain end matching machines | | MSFFM3017 | Set up, operate and maintain routing and shaping machines | | MSFFM3012 | Set up, operate and maintain sawing machines |   Group B – Grinding and maintaining cutting tools   |  |  | | --- | --- | | FWPCOT3XXX | Manufacture profile cutters | | FWPCOT3217 | Assess and maintain cutter performance | | 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 | | FWPCOT3237 | Produce templates | | FWPCOT3XXX | Replace saw blades, knives and guides | | FWPSAW3218 | Replace tungsten tips | | FWPSAW3228 | Apply principles of blade design to sawing procedures | | FWPCOT3XXX | Identify levelling and tensioning requirements for saw blades | | FWPCOT3XXX | Operate CNC equipment for grinding, tensioning and levelling saw blades | | FWPSAW3XXX | Sharpen circular saw blades | | FWPSAW3XXX | Level and tension circular saw blades | | FWPCOT3XXX | Hand sharpen knives and blades for commercial and domestic cutting services | | FWPCOT3XXX | Sharpen and position blades or knives in chipper, canter and reducer |   Group C – Grading and testing timber   |  |  | | --- | --- | | FWPCOT2212 | Grade hardwood sawn and milled products | | FWPCOT2213 | Grade softwood sawn and milled products | | FWPCOT2214 | Grade cypress sawn and milled products | | FWPCOT2215 | Visually stress grade hardwood | | FWPCOT2216 | Visually stress grade softwood | | FWPCOT2217 | Visually stress grade cypress | | FWPCOT3225 | Mechanically stress grade timber | | FWPCOT3XXX | Calibrate and maintain scanning equipment | | FWPCOT3XXX | Use scanning equipment for timber grading | | FWPCOT3XXX | Apply knowledge of wood technology principles to end use applications |   Group D – General electives   |  |  | | --- | --- | | FWPCOT2XXX | Tail out timber product and waste material | | FWPCOT3214 | Take off material quantities | | FWPCOT3239 | Create drawings using computer aided design systems | | FWPCOT3263 | Maintain and contribute to energy efficiency | | FWPTMM4204 | Sample and test products to specifications | | FWPCOT3XXX | Apply principles for timber and process optimisation in sawmill operations | | [MSS402040](https://training.gov.au/Training/Details/MSS402040) | Apply 5S procedures | | MSS404052 | Apply statistics to operational processes | | MSMSUP390 | Use structured problem-solving tools | | |
| Prerequisite requirements  No prerequisite units | |

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| Qualification Mapping Information   | Code and title current version | Code and title previous version | Comments | Equivalence status | | --- | --- | --- | --- | | FWP3XXXX Certificate III in Wood Machining | FPI30811 Certificate III in Woodmachining | Qualification updated to reflect additional units added to the core, units removed, and additional imported units. Grammatical update to title. |  | |
| Links  Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47 |