

# **FWP Forest and Wood Products Training Package**

**Version 1 & 2**

**WA NOMINAL HOURS GUIDE**

## Introduction

This Guide has been generated to enable the stakeholders in this Industry in Western Australia to participate in the managed implementation of the National FWP Forest and Wood Products Training Package.

This Guide is designed to aid Registered Training Organisations (RTOs) to convert from existing Training Package qualifications to new Training Package qualifications within the scope of their training delivery.

The Guide should be read in conjunction with the endorsed components of the Training Package.

Version 1 of the FWP Forest and Wood Products Training Package was released by Training.Gov.Au (TGA) on the 2/02/2016.

Version 2 of the FWP Forest and Wood Products Training Package was released by Training.Gov.Au (TGA) on the 13/05/2016.

## Transition Arrangements

Registered Training Organisations (RTOs) are required to deliver Training Package qualifications in accordance with the Standards for RTOs. For further information visit the Training Accreditation Council website [www.tac.wa.gov.au](http://www.tac.wa.gov.au).

## Nominal Hours

Nominal hours are the hours of training notionally required to achieve the outcomes of units of competency.

Nominal hours are identified for nationally endorsed qualifications. Nominal hours may vary for a qualification depending on the selection of units of competency.

In Western Australia, nominal hours are used as a mechanism for funding allocation.

## Contact Details

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## Qualifications and Nominal Hours

The following table provides a summary of the qualifications and nominal hours in the industry.

National Code	National Title	Nominal Hours
FWP10116	Certificate I in Forest and Forest Products	300
FWP20116	Certificate II in Forest Growing and Management	297
FWP20216	Certificate II in Harvesting and Haulage	335
FWP20316	Certificate II in Sawmilling and Processing	440
FWP20416	Certificate II in Wood Panel Products	395
FWP20516	Certificate II in Timber Manufactured Products	325
FWP20616	Certificate II in Timber Merchandising	440
FWP20716	Certificate II in Timber Truss and Frame Design and Manufacture	317
FWP30116	Certificate III in Forest Growing and Management	453
FWP30216	Certificate III in Harvesting and Haulage	525
FWP30316	Certificate III in Sawmilling and Processing	441
FWP30416	Certificate III in Wood Panel Products	475
FWP30516	Certificate III in Timber Manufactured Products	442
FWP30616	Certificate III in Timber Merchandising	561
FWP30716	Certificate III in Sawdoctoring	720
FWP30816	Certificate III in Woodmachining	760
FWP30916	Certificate III in Timber Truss and Frame Design and Manufacture	517
FWP40116	Certificate IV in Forest Operations	870
FWP40216	Certificate IV in Timber Processing	717
FWP40316	Certificate IV in Timber Truss and Frame Manufacture	550
FWP40416	Certificate IV in Timber Truss and Frame Design	910
FWP50116	Diploma of Forest and Forest Products	1545
FWP50216	Diploma of Timber Truss and Frame Manufacture	1640

FWP50316	Diploma of Timber Truss and Frame Design	1210
FWP60116	Advanced Diploma of Forest Industry Sustainability	950

## Units of Competency and Nominal Hours

The following table provides a summary of the units of competency and nominal hours in the industry.

National Code	National Title	Nominal Hours
FWPCOR2201	Work effectively in the forest and forest products industry	20
FWPCOR2202	Communicate and interact effectively in the workplace	20
FWPCOR2203	Follow environmental care procedures	20
FWPCOR2204	Follow fire prevention procedures	20
FWPCOR2205	Follow WHS policies and procedures	20
FWPCOR2207	Maintain quality and product care	20
FWPCOR3201	Implement safety, health and environment policies and procedures	60
FWPCOR3202	Conduct quality and product care procedures	40
FWPCOR3203	Evaluate fire potential and prevention	30
FWPCOR3204	Visually assess materials	17
FWPCOR4201	Monitor safety, health and environment policies and procedures	60
FWPCOR4202	Monitor and review forestry operations	20
FWPCOR4203	Monitor quality and product care procedures	60
FWPCOR6201	Manage sustainability in the workplace	60
FWPCOR6202	Implement practices to maximise value from wood residues	80
FWPCOT2201	Stack and bind material	15
FWPCOT2202	Rack material	15
FWPCOT2203	Finish and pack products	15
FWPCOT2205	Tail out materials	15
FWPCOT2207	Dress boards and timber	40
FWPCOT2208	Resaw boards and timber	20
FWPCOT2209	Produce finger jointed timber	20
FWPCOT2210	Tally material	10

FWPCOT2211	Produce pointed timber products	20
FWPCOT2212	Grade hardwood sawn and milled products	20
FWPCOT2213	Grade softwood sawn and milled products	20
FWPCOT2214	Grade cypress sawn and milled products	20
FWPCOT2215	Visually stress grade hardwood	20
FWPCOT2216	Visually stress grade softwood	20
FWPCOT2217	Visually stress grade cypress	20
FWPCOT2218	Cross cut materials with a fixed saw	15
FWPCOT2219	Use hand-held tools	20
FWPCOT2220	Select trees for tending operations	20
FWPCOT2222	Produce laminated beams	20
FWPCOT2223	Segregate and sort logs	12
FWPCOT2224	Band edges of panels	10
FWPCOT2225	Chip or flake wood	18
FWPCOT2226	Debark logs mechanically	20
FWPCOT2227	Process orders and despatch products	20
FWPCOT2228	Store materials	20
FWPCOT2229	Dock material to length	17
FWPCOT2230	Assemble products	17
FWPCOT2231	Pack products	15
FWPCOT2232	Cut material to shape using a saw	20
FWPCOT2233	Navigate in forest areas	40
FWPCOT2235	Assess timber for manufacturing potential	20
FWPCOT2236	Fall trees manually (basic)	80
FWPCOT2237	Maintain chainsaws	20
FWPCOT2238	Cut materials with a hand-held chainsaw	40
FWPCOT2239	Trim and cut felled trees	40
FWPCOT2240	Cut material with a pole saw	20

FWPCOT2241	Apply wood and timber product knowledge	20
FWPCOT3201	Hand sharpen knives and blades	20
FWPCOT3202	Navigate in remote or trackless areas	25
FWPCOT3203	Weigh loads	20
FWPCOT3204	Prepare and interpret sketches and drawings	30
FWPCOT3205	Dress boards using multi-headed machines	35
FWPCOT3206	Cut material using high speed optimiser	35
FWPCOT3207	Set up, operate and maintain finger jointing operations	30
FWPCOT3208	Test strength of joints	25
FWPCOT3209	Set up, operate and maintain end matching operations	30
FWPCOT3210	Sharpen cutting tools	20
FWPCOT3211	Maintain sawdoctoring tools	25
FWPCOT3212	Replace saws, blades and guides	40
FWPCOT3213	Manufacture cutting tools	36
FWPCOT3214	Take off material quantities	30
FWPCOT3215	Swage and shape saw blades	40
FWPCOT3216	Assess and maintain saw performance	30
FWPCOT3217	Assess and maintain cutter performance	20
FWPCOT3218	Quote and interpret from manufactured timber product plans	40
FWPCOT3219	Produce standard truss or frame plans and details using computers	40
FWPCOT3220	Quote and interpret from computerised timber manufactured product plans	40
FWPCOT3221	Rehabilitate tracks, quarries and landings	65
FWPCOT3222	Present forestry information and interpretations programs	40
FWPCOT3223	Grade and mark logs	20
FWPCOT3224	Plan and monitor equipment maintenance	40
FWPCOT3225	Mechanically stress grade timber	30
FWPCOT3227	Receive and measure logs	15
FWPCOT3228	Plane/sand panels	15

FWPCOT3229	Mechanically stress grade panels	30
FWPCOT3230	Operate automated stacking equipment	20
FWPCOT3231	Operate steam boiler	32
FWPCOT3232	Operate heat plant	37
FWPCOT3233	Sharpen and align blades and knives	20
FWPCOT3234	Cut material using CNC sizing machines	32
FWPCOT3235	Machine material using CNC machining and processing centres	32
FWPCOT3236	Coordinate stock control procedures	50
FWPCOT3237	Produce templates	30
FWPCOT3238	Operate a pole saw	40
FWPCOT3239	Create drawings using computer aided design systems	30
FWPCOT3240	Grade heavy structural/engineered products	20
FWPCOT3241	Assemble timber wall frames	40
FWPCOT3242	Lay up timber roof trusses	40
FWPCOT3243	Operate a truss press	20
FWPCOT3244	Cut material to profile	20
FWPCOT3245	Grade, sort and mark materials	17
FWPCOT3246	Test heavy structural/engineered products	40
FWPCOT3247	Select timber for forestry operations	20
FWPCOT3248	Dry timber in solar assisted kilns	40
FWPCOT3249	Select timber preservation techniques	60
FWPCOT3250	Prepare timber to meet import/export compliance requirements	60
FWPCOT3251	Promote the carbon benefits of wood products	40
FWPCOT3252	Use environmental care procedures to undertake fire salvage operations	80
FWPCOT3253	Convert timber residue into products for further use	30
FWPCOT3254	Implement environmentally sustainable work practices in the work area/work site	60
FWPCOT3255	Apply silvicultural principles	40
FWPCOT3256	Apply biodiversity protection principles	40



FWPCOT3257	Follow cultural heritage requirements	30
FWPCOT3258	Comply with soil and water protection	40
FWPCOT3259	Operate a four wheel drive on unsealed roads	40
FWPCOT3260	Recover four wheel drive vehicles	20
FWPCOT3261	Transport forestry logs using trucks	40
FWPCOT3262	Transport forestry produce using trucks	40
FWPCOT3263	Maintain and contribute to energy efficiency	30
FWPCOT3264	Build and maintain timber stacks	20
FWPCOT3269	Provide specialised timber product solutions	55
FWPCOT4201	Produce complex truss and frame plans and details using computers	60
FWPCOT4202	Design timber structures	60
FWPCOT4203	Plan and coordinate product assembly	20
FWPCOT4204	Schedule and coordinate load shifting	30
FWPCOT4205	Coordinate log debarking operations	40
FWPCOT4206	Plan and coordinate boiler operations	60
FWPCOT4207	Plan and coordinate heat plant operations	60
FWPCOT4208	Implement workplace sustainability practices	45
FWPCOT5201	Implement sustainable forestry practices	120
FWPCOT5202	Manage forestry information and interpretations programs	40
FWPCOT5203	Manage installation and commissioning of equipment	250
FWPCOT5204	Organise enterprise maintenance programs	100
FWPCOT5205	Develop biohazard contingency plans	80
FWPCOT5206	Implement forestry chain of custody certification system	80
FWPCOT5207	Implement sustainability in the workplace	80
FWPCOT5208	Build and maintain community relationships	50
FWPCOT5209	Manage tree harvesting to minimise environmental impact	80
FWPCOT6201	Manage community engagement	60
FWPCOT6202	Develop and manage a forestry chain of custody certification process	120

FWPCOT6203	Develop engineered timber products to meet energy efficient building design needs	150
FWPCOT6204	Use carbon accounting to estimate emissions	120
FWPCOT6205	Prepare an enterprise carbon management report	80
FWPCOT6207	Develop forest management systems and processes	200
FWPCOT6208	Manage innovative thinking and practice in the forest and wood products industry	65
FWPCOT6209	Manage forest and wood products industry research	65
FWPCOT8101	Lead forest and wood products industry innovative thinking and practice	70
FWPCOT8102	Initiate and lead a forest and wood products industry innovation	70
FWPFGM2201	Collect seed	20
FWPFGM2202	Prepare seedbed	60
FWPFGM2203	Plant trees by hand	10
FWPFGM2204	Plant trees mechanically	10
FWPFGM2205	Prune trees	20
FWPFGM2206	Collect data or samples for assessment	20
FWPFGM2207	Undertake brushcutting operations	40
FWPFGM2209	Cut, sort and set cuttings	20
FWPFGM2210	Implement animal pest control procedures	20
FWPFGM2211	Detect fires	20
FWPFGM2212	Graft cuttings	20
FWPFGM2213	Process seed	20
FWPFGM2214	Maintain visitor sites	20
FWPFGM2215	Measure trees	20
FWPFGM3201	Manage seed collection	90
FWPFGM3202	Extract seed	20
FWPFGM3203	Conduct an instrument survey	35
FWPFGM3206	Plan and implement non-commercial thinning operations	40
FWPFGM3207	Coordinate stem improvement	120
FWPFGM3209	Construct and maintain forest roads and tracks	120

FWPFGM3210	Patrol forest	40
FWPFGM3211	Manage coppice stems	40
FWPFGM3212	Fall trees manually (intermediate)	100
FWPFGM3213	Fall trees manually (advanced)	120
FWPFGM3214	Operate a four wheel drive in a towing situation	30
FWPFGM3215	Perform complex 4x4 operations	40
FWPFGM4201	Implement a forest establishment plan	120
FWPFGM4202	Manage stand health	120
FWPFGM4203	Design plantations	90
FWPFGM4204	Conduct a pests and diseases assessment	50
FWPFGM4205	Monitor regeneration rates	20
FWPFGM4206	Conduct a wood volume and yield assessment	50
FWPFGM4207	Conduct a forest site assessment	50
FWPFGM4208	Plan a quarry	120
FWPFGM4209	Interpret and use aerial photographs for forest management	10
FWPFGM4210	Prepare a tender	30
FWPFGM5201	Plan and manage an inventory program	90
FWPFGM5208	Manage road construction and maintenance	150
FWPFGM5210	Manage tending operations in a native forest	90
FWPFGM5211	Coordinate stand nutrition	120
FWPFGM5212	Manage genetic resources	135
FWPFGM5213	Coordinate plantation tending operations	120
FWPFGM5214	Develop a native forest regeneration plan	90
FWPFGM5215	Breed Trees	90
FWPFGM5216	Manage coupe planning	200
FWPFGM5217	Promote plantations as a sustainable form of land use	80
FWPFGM5219	Undertake carbon stock sampling of forests and plantations	60
FWPFGM6201	Plan a biochar storage system for carbon capture and storage	150

FWPFGM6203	Manage sustainable tree inventory	150
FWPHAR2203	Hook up felled logs using cables (choker)	40
FWPHAR2204	Perform landing duties (chaser)	40
FWPHAR2205	Conduct mobile splitting operations	30
FWPHAR2206	Operate a mobile chipper/mulcher	30
FWPHAR2207	Trim and cut harvested trees	40
FWPHAR3201	Monitor log recovery (rigging slinger)	80
FWPHAR3206	Conduct forwarder operations	120
FWPHAR3207	Conduct feller buncher operations	100
FWPHAR3208	Conduct boom delimeter operations	100
FWPHAR3210	Conduct mechanical processor operations	100
FWPHAR3211	Operate yarder	100
FWPHAR3213	Conduct mechanically assisted tree falling operations	150
FWPHAR3214	Operate a single grip harvester	200
FWPHAR3215	Operate a heavy production mobile chipper	200
FWPHAR3216	Conduct forestry operations using crawler tractor	40
FWPHAR3217	Conduct skidder operations	100
FWPHAR3218	Conduct loader operations	40
FWPHAR3219	Conduct excavator operations with grabs	100
FWPHAR3220	Harvest trees manually (intermediate)	100
FWPHAR3221	Harvest trees manually (advanced)	120
FWPHAR4201	Apply tree jacking techniques	100
FWPHAR4202	Coordinate log recovery (hook tender)	80
FWPHAR4203	Design log landings and snig tracks	80
FWPHAR4204	Plan and coordinate fire salvage operations	60
FWPHAR4205	Implement harvesting plans	60
FWPHAR5201	Design harvesting plans	200
FWPSAW2201	Grade round poles and debarked logs	20

FWPSAW2202	Sort boards manually	20
FWPSAW2203	Sort boards mechanically	20
FWPSAW2204	Dock boards with mechanical feed	20
FWPSAW2205	Assemble materials using nail plates	20
FWPSAW2206	De-stack seasoning racks	20
FWPSAW2207	Round softwood logs	20
FWPSAW2208	Split wood products	20
FWPSAW2209	Dismantle, transport and assemble hand portable sawmill	60
FWPSAW2210	Prepare for timber treatment operations	30
FWPSAW3201	Treat timber	30
FWPSAW3202	Produce sawn green boards	40
FWPSAW3203	Break down logs	40
FWPSAW3204	Saw flitches and cants	20
FWPSAW3205	Dry hardwood	40
FWPSAW3206	Dry softwood	40
FWPSAW3207	Sharpen band saws	30
FWPSAW3208	Sharpen circular saws	30
FWPSAW3209	Align sawing production systems	40
FWPSAW3210	File and set saws	40
FWPSAW3211	Recondition guides	40
FWPSAW3212	Sharpen tipped circular saws	30
FWPSAW3213	Level and tension circular saws	50
FWPSAW3214	Join band saw blades	40
FWPSAW3215	Screen wood chips	40
FWPSAW3216	Transfer wood chips	40
FWPSAW3217	Hard face saw teeth	30
FWPSAW3218	Replace tungsten tips	30
FWPSAW3219	Replace stellite tips	30

FWPSAW3220	Maintain wide band saw blades	40
FWPSAW3221	Profile saw blanks	40
FWPSAW3222	Recondition band mill wheels	40
FWPSAW3223	Assess wood chips	40
FWPSAW3224	Coordinate and monitor the wood chip stockpile	40
FWPSAW3225	Maintain frame saw blades	40
FWPSAW3226	Saw logs using CNC optimising systems	40
FWPSAW3227	Select and saw logs in multi-species operations	40
FWPSAW3228	Apply principles of blade design to sawing procedures	30
FWPSAW3229	Operate a portable sawmill	60
FWPSAW4201	Plan and monitor timber treatment plant operations	30
FWPSAW4202	Plan and monitor saw log operations	50
FWPSAW4203	Coordinate timber drying operations	50
FWPSAW4204	Plan and monitor board conversion	50
FWPTMM2201	Cut material to length and angles	30
FWPTMM2202	Machine material	20
FWPTMM2203	Read and interpret timber truss, floor and/or frame fabrication plans	30
FWPTMM3201	Convert timber	40
FWPTMM3202	Manufacture using joinery machines	35
FWPTMM3203	Estimate and cost job	50
FWPTMM3204	Interpret designs to prepare timber roof truss drawings and documents using computers	75
FWPTMM3205	Interpret designs to prepare timber floor system drawings and documents using computers	75
FWPTMM3206	Interpret designs to prepare timber wall frame drawings and documents using computers	75
FWPTMM3207	Set up timber floor trusses	30
FWPTMM4201	Construct prototypes and samples	40
FWPTMM4202	Diagnose and calculate production costs	80
FWPTMM4203	Install and commission CNC software	120
FWPTMM4204	Sample and test products to specifications	40

FWPTMM4205	Prepare and advise on a broad range of timber roof truss details using computers	120
FWPTMM4206	Prepare and advise on a broad range of timber floor system details using computers	120
FWPTMM4207	Prepare and advise on a broad range of timber wall frame details using computers	120
FWPTMM5201	Assess product feasibility of designs	100
FWPTMM5202	Develop, trial and evaluate prototypes	150
FWPTMM5203	Generate and transfer complex computer-aided drawings and specifications	150
FWPTMM5204	Manage product design	180
FWPTMM5205	Optimise CNC operations	180
FWPTMM5206	Plan production	200
FWPWPP2201	Cut panels	20
FWPWPP2202	Surface treat raw board	20
FWPWPP2203	Repair veneer and ply	10
FWPWPP2204	Repair veneer mechanically	10
FWPWPP2205	Prepare chip or fibre blends	20
FWPWPP2206	Prepare veneer for ply	10
FWPWPP2207	Scarf edges of veneer	15
FWPWPP2208	Cut veneer	10
FWPWPP2209	Saw products from continuous ply	10
FWPWPP2210	Cut panels to profile	20
FWPWPP2211	Move material by transfer equipment	30
FWPWPP3201	Produce veneer from debarked logs	30
FWPWPP3202	Paint panels	10
FWPWPP3203	Produce fibre from chips	15
FWPWPP3204	Form board	70
FWPWPP3205	Match and join veneer	10
FWPWPP3206	Laminate and veneer board surfaces	15
FWPWPP3207	Clip veneer	10
FWPWPP3208	Punch peg holes in panels	10

FWPWPP3209	Prepare resin and additives	15
FWPWPP3210	Laminate board	20
FWPWPP3211	Maintain caul plates and screens	10
FWPWPP3212	Dry material	25
FWPWPP3213	Heat treat material	15
FWPWPP3214	Treat paper	10
FWPWPP3215	Cut paper	5
FWPWPP3216	Press material using the daylight process	40
FWPWPP3217	Process production effluent	20
FWPWPP3218	Plan and coordinate machining of panels	30
FWPWPP3219	Blend and test binding mixes	20
FWPWPP3220	Plan and coordinate panel painting	10
FWPWPP3221	Trim new panels to size	15
FWPWPP3222	Press laminated ply	20
FWPWPP3223	Immunise veneer	30
FWPWPP3224	Profile sand products	10
FWPWPP3225	Produce profile sanding shoes and wheels	15
FWPWPP3226	Operate a continuous press	40
FWPWPP3227	Vacuum paint	15
FWPWPP3228	Dry Wood Flakes	30
FWPWPP3229	Classify flake	15
FWPWPP3230	Produce decorative veneers	40
FWPWPP3231	Produce veneer from prepared flitches	30
FWPWPP4201	Plan and coordinate panel production	15
FWPWPP4202	Perform laboratory testing	40



## Mapping Qualifications

The following table provides an overview of the qualifications from Version 1 & 2 which replace qualifications from the existing version of the FPI11 Forest and Forest Products Training Package.

FPI11 Current Qualification				FWP Replacement Qualification		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
FPI10111	Certificate I in Forest and Forest Products	300	E	FWP10116	Certificate I in Forest and Forest Products	300
FPI20113	Certificate II in Forest Growing and Management	455	E	FWP20116	Certificate II in Forest Growing and Management	297
FPI20111	Certificate II in Forest Growing and Management	455	E			
FPI20213	Certificate II in Harvesting and Haulage	400	E	FWP20216	Certificate II in Harvesting and Haulage	335
FPI20211	Certificate II in Harvesting and Haulage	400	E			
FPI20311	Certificate II in Sawmilling and Processing	440	E	FWP20316	Certificate II in Sawmilling and Processing	440
FPI20411	Certificate II in Wood Panel Products	395	E	FWP20416	Certificate II in Wood Panel Products	395
FPI20511	Certificate II in Timber Manufactured Products	325	E	FWP20516	Certificate II in Timber Manufactured Products	325
FPI20611	Certificate II in Timber Merchandising	440	E	FWP20616	Certificate II in Timber Merchandising	440
FPI20711	Certificate II in Timber Truss and Frame Design and Manufacture	317	E	FWP20716	Certificate II in Timber Truss and Frame Design and Manufacture	317
FPI30113	Certificate III in Forest Growing and Management	694	E	FWP30116	Certificate III in Forest Growing and Management	453
FPI30111	Certificate III in Forest Growing and Management	694	E			
FPI30211	Certificate III in Harvesting and Haulage	880	E	FWP30216	Certificate III in Harvesting and Haulage	525
FPI30213	Certificate III in Harvesting and Haulage	880	E			
FPI30311	Certificate III in Sawmilling and Processing	441	E	FWP30316	Certificate III in Sawmilling and Processing	441
FPI30411	Certificate III in Wood Panel Products	475	E	FWP30416	Certificate III in Wood Panel Products	475
FPI30511	Certificate III in Timber Manufactured Products	442	E	FWP30516	Certificate III in Timber Manufactured Products	442
FPI30611	Certificate III in Timber Merchandising	561	E	FWP30616	Certificate III in Timber Merchandising	561
FPI30711	Certificate III in Sawdoctoring	720	E	FWP30716	Certificate III in Sawdoctoring	720
FPI30811	Certificate III in Woodmachining	760	E	FWP30816	Certificate III in Woodmachining	760
FPI30911	Certificate III in Timber Truss and Frame Design and Manufacture	517	E	FWP30916	Certificate III in Timber Truss and Frame Design and Manufacture	517

FPI40111	Certificate IV in Forest Operations	870	E	FWP40116	Certificate IV in Forest Operations	870
FPI40211	Certificate IV in Timber Processing	717	E	FWP40216	Certificate IV in Timber Processing	717
FPI40311	Certificate IV in Timber Truss and Frame Manufacture	550	E	FWP40316	Certificate IV in Timber Truss and Frame Manufacture	550
FPI40411	Certificate IV in Timber Truss and Frame Design	910	E	FWP40416	Certificate IV in Timber Truss and Frame Design	910
FPI50111	Diploma of Forest and Forest Products	1545	E	FWP50116	Diploma of Forest and Forest Products	1545
FPI50311	Diploma of Timber Truss and Frame Manufacture	1640	E	FWP50216	Diploma of Timber Truss and Frame Manufacture	1640
FPI50411	Diploma of Timber Truss and Frame Design	1210	E	FWP50316	Diploma of Timber Truss and Frame Design	1210
FPI60113	Advanced Diploma of Forest Industry Sustainability	950	E	FWP60116	Advanced Diploma of Forest Industry Sustainability	950

## Mapping Units of Competency

The following table provides an overview of the units of competency from Version 1 & 2 which replace units of competency from the existing version of the FPI11 Forest and Forest Products Training Package.

FPI11 Current Unit				FWP Replacement Unit		
National Code	National Title	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
FPICOR2201B	Work effectively in the forest and forest products industry	20	E	FWPCOR2201	Work effectively in the forest and forest products industry	20
FPICOR2202B	Communicate and interact effectively in the workplace	20	E	FWPCOR2202	Communicate and interact effectively in the workplace	20
FPICOR2203B	Follow environmental care procedures	20	E	FWPCOR2203	Follow environmental care procedures	20
FPICOR2204B	Follow fire prevention procedures	20	E	FWPCOR2204	Follow fire prevention procedures	20
FPICOR2205B	Follow OHS policies and procedures	20	E	FWPCOR2205	Follow WHS policies and procedures	20
FPICOR2207B	Maintain quality and product care	20	E	FWPCOR2207	Maintain quality and product care	20
FPICOR3201B	Implement safety, health and environment policies and procedures	60	E	FWPCOR3201	Implement safety, health and environment policies and procedures	60
FPICOR3202B	Conduct quality and product care procedures	40	E	FWPCOR3202	Conduct quality and product care procedures	40
FPICOR3203B	Evaluate fire potential and prevention	30	E	FWPCOR3203	Evaluate fire potential and prevention	30
FPICOR3204B	Visually assess materials	17	E	FWPCOR3204	Visually assess materials	17
FPICOR4201B	Monitor safety, health and environment policies and procedures	60	E	FWPCOR4201	Monitor safety, health and environment policies and procedures	60
FPICOR4202B	Monitor and review forestry operations	20	E	FWPCOR4202	Monitor and review forestry operations	20
FPICOR4203B	Monitor quality and product care procedures	60	E	FWPCOR4203	Monitor quality and product care procedures	60
FPICOR6201A	Manage sustainability in the workplace	60	E	FWPCOR6201	Manage sustainability in the workplace	60
FPICOR6202A	Implement practices to maximise value from wood residues	80	E	FWPCOR6202	Implement practices to maximise value from wood residues	80
FPICOT2201B	Stack and bind material	15	E	FWPCOT2201	Stack and bind material	15
FPICOT2202B	Rack material	15	E	FWPCOT2202	Rack material	15
FPICOT2203B	Finish products	15	E	FWPCOT2203	Finish and pack products	15
FPICOT2205B	Tail out materials	15	E	FWPCOT2205	Tail out materials	15

FPICOT2207B	Dress boards and timber	40	E	FWPCOT2207	Dress boards and timber	40
FPICOT2208B	Resaw boards and timber	20	E	FWPCOT2208	Resaw boards and timber	20
FPICOT2209B	Produce finger jointed timber	20	E	FWPCOT2209	Produce finger jointed timber	20
FPICOT2210B	Tally material	10	E	FWPCOT2210	Tally material	10
FPICOT2211B	Produce pointed timber products	20	E	FWPCOT2211	Produce pointed timber products	20
FPICOT2212B	Grade hardwood sawn and milled products	20	E	FWPCOT2212	Grade hardwood sawn and milled products	20
FPICOT2213B	Grade softwood sawn and milled products	20	E	FWPCOT2213	Grade softwood sawn and milled products	20
FPICOT2214B	Grade cypress sawn and milled products	20	E	FWPCOT2214	Grade cypress sawn and milled products	20
FPICOT2215B	Visually stress grade hardwood	20	E	FWPCOT2215	Visually stress grade hardwood	20
FPICOT2216B	Visually stress grade softwood	20	E	FWPCOT2216	Visually stress grade softwood	20
FPICOT2217B	Visually stress grade cypress	20	E	FWPCOT2217	Visually stress grade cypress	20
FPICOT2218B	Cross cut materials with a fixed saw	15	E	FWPCOT2218	Cross cut materials with a fixed saw	15
FPICOT2219B	Use hand-held tools	20	E	FWPCOT2219	Use hand-held tools	20
FPICOT2220B	Select trees for tending operations	20	E	FWPCOT2220	Select trees for tending operations	20
FPICOT2222B	Produce laminated beams	20	E	FWPCOT2222	Produce laminated beams	20
FPICOT2223B	Segregate and sort logs	12	E	FWPCOT2223	Segregate and sort logs	12
FPICOT2224B	Band edges of panels	10	E	FWPCOT2224	Band edges of panels	10
FPICOT2225B	Chip or flake wood	18	E	FWPCOT2225	Chip or flake wood	18
FPICOT2226B	Debark logs mechanically	20	E	FWPCOT2226	Debark logs mechanically	20
FPICOT2227B	Process orders and despatch products	20	E	FWPCOT2227	Process orders and despatch products	20
FPICOT2228B	Store materials	20	E	FWPCOT2228	Store materials	20
FPICOT2229B	Dock material to length	17	E	FWPCOT2229	Dock material to length	17
FPICOT2230B	Assemble products	17	E	FWPCOT2230	Assemble products	17
FPICOT2231B	Pack products	15	E	FWPCOT2231	Pack products	15
FPICOT2232B	Cut material to shape using a saw	20	E	FWPCOT2232	Cut material to shape using a saw	20
FPICOT2233B	Navigate in forest areas	40	E	FWPCOT2233	Navigate in forest areas	40
FPICOT2235A	Assess timber for manufacturing potential	20	E	FWPCOT2235	Assess timber for manufacturing potential	20
FPICOT2236	Fall trees manually (basic)	80	E	FWPCOT2236	Fall trees manually (basic)	80

FPICOT2237A	Maintain chainsaws	20	E	FWPCOT2237	Maintain chainsaws	20
FPICOT2238A	Cut materials with a hand-held chainsaw	40	E	FWPCOT2238	Cut materials with a hand-held chainsaw	40
FPICOT2239A	Trim and cut felled trees	40	E	FWPCOT2239	Trim and cut felled trees	40
FPICOT2240	Cut material with a pole saw	20	E	FWPCOT2240	Cut material with a pole saw	20
FPICOT2241	Apply wood and timber product knowledge	20	E	FWPCOT2241	Apply wood and timber product knowledge	20
FPICOT3201B	Hand sharpen knives and blades	20	E	FWPCOT3201	Hand sharpen knives and blades	20
FPICOT3202B	Navigate in remote or trackless areas	25	E	FWPCOT3202	Navigate in remote or trackless areas	25
FPICOT3203B	Weigh loads	20	E	FWPCOT3203	Weigh loads	20
FPICOT3204B	Prepare and interpret sketches and drawings	30	E	FWPCOT3204	Prepare and interpret sketches and drawings	30
FPICOT3205B	Dress boards using multi-headed machines	35	E	FWPCOT3205	Dress boards using multi-headed machines	35
FPICOT3206B	Cut material using high speed optimiser	35	E	FWPCOT3206	Cut material using high speed optimiser	35
FPICOT3207B	Set up, operate and maintain finger jointing operations	30	E	FWPCOT3207	Set up, operate and maintain finger jointing operations	30
FPICOT3208B	Test strength of joints	25	E	FWPCOT3208	Test strength of joints	25
FPICOT3209B	Set up, operate and maintain end matching operations	30	E	FWPCOT3209	Set up, operate and maintain end matching operations	30
FPICOT3210B	Sharpen cutting tools	20	E	FWPCOT3210	Sharpen cutting tools	20
FPICOT3211B	Maintain sawdoctoring tools	25	E	FWPCOT3211	Maintain sawdoctoring tools	25
FPICOT3212B	Replace saws, blades and guides	40	E	FWPCOT3212	Replace saws, blades and guides	40
FPICOT3213B	Manufacture cutting tools	36	E	FWPCOT3213	Manufacture cutting tools	36
FPICOT3214B	Take off material quantities	30	E	FWPCOT3214	Take off material quantities	30
FPICOT3215B	Swage and shape saw blades	40	E	FWPCOT3215	Swage and shape saw blades	40
FPICOT3216B	Assess and maintain saw performance	30	E	FWPCOT3216	Assess and maintain saw performance	30
FPICOT3217B	Assess and maintain cutter performance	20	E	FWPCOT3217	Assess and maintain cutter performance	20
FPICOT3218B	Quote and interpret from manufactured timber product plans	40	E	FWPCOT3218	Quote and interpret from manufactured timber product plans	40
FPICOT3219B	Produce standard truss or frame plans and details using computers	40	E	FWPCOT3219	Produce standard truss or frame plans and details using computers	40
FPICOT3220B	Quote and interpret from computerised timber manufactured product plans	40	E	FWPCOT3220	Quote and interpret from computerised timber manufactured product plans	40

FPICOT3221B	Rehabilitate tracks, quarries and landings	65	E	FWPCOT3221	Rehabilitate tracks, quarries and landings	65
FPICOT3222B	Present forestry information and interpretations programs	40	E	FWPCOT3222	Present forestry information and interpretations programs	40
FPICOT3223B	Grade and mark logs	20	E	FWPCOT3223	Grade and mark logs	20
FPICOT3224B	Plan and monitor equipment maintenance	40	E	FWPCOT3224	Plan and monitor equipment maintenance	40
FPICOT3225B	Mechanically stress grade timber	30	E	FWPCOT3225	Mechanically stress grade timber	30
FPICOT3227B	Receive and measure logs	15	E	FWPCOT3227	Receive and measure logs	15
FPICOT3228B	Plane/sand panels	15	E	FWPCOT3228	Plane/sand panels	15
FPICOT3229B	Mechanically stress grade panels	30	E	FWPCOT3229	Mechanically stress grade panels	30
FPICOT3230B	Operate automated stacking equipment	20	E	FWPCOT3230	Operate automated stacking equipment	20
FPICOT3231B	Operate steam boiler	32	E	FWPCOT3231	Operate steam boiler	32
FPICOT3232B	Operate heat plant	37	E	FWPCOT3232	Operate heat plant	37
FPICOT3233B	Sharpen and align blades and knives	20	E	FWPCOT3233	Sharpen and align blades and knives	20
FPICOT3234B	Cut material using CNC sizing machines	32	E	FWPCOT3234	Cut material using CNC sizing machines	32
FPICOT3235B	Machine material using CNC machining and processing centres	32	E	FWPCOT3235	Machine material using CNC machining and processing centres	32
FPICOT3236B	Coordinate stock control procedures	50	E	FWPCOT3236	Coordinate stock control procedures	50
FPICOT3237B	Produce templates	30	E	FWPCOT3237	Produce templates	30
FPICOT3238B	Operate a pole saw	40	E	FWPCOT3238	Operate a pole saw	40
FPICOT3239B	Create drawings using computer aided design systems	30	E	FWPCOT3239	Create drawings using computer aided design systems	30
FPICOT3240B	Grade heavy structural/engineered products	20	E	FWPCOT3240	Grade heavy structural/engineered products	20
FPICOT3241B	Assemble timber wall frames	40	E	FWPCOT3241	Assemble timber wall frames	40
FPICOT3242B	Lay up timber roof trusses	40	E	FWPCOT3242	Lay up timber roof trusses	40
FPICOT3243B	Operate a truss press	20	E	FWPCOT3243	Operate a truss press	20
FPICOT3244B	Cut material to profile	20	E	FWPCOT3244	Cut material to profile	20
FPICOT3245B	Grade, sort and mark material	17	E	FWPCOT3245	Grade, sort and mark materials	17
FPICOT3246B	Test heavy structural/engineered products	40	E	FWPCOT3246	Test heavy structural/engineered products	40
FPICOT3247B	Select timber for forestry operations	20	E	FWPCOT3247	Select timber for forestry operations	20

FPICOT3248A	Dry timber in solar assisted kilns	40	E	FWPCOT3248	Dry timber in solar assisted kilns	40
FPICOT3249A	Select timber preservation techniques	60	E	FWPCOT3249	Select timber preservation techniques	60
FPICOT3250A	Prepare timber to meet import/export compliance requirements	60	E	FWPCOT3250	Prepare timber to meet import/export compliance requirements	60
FPICOT3251A	Promote the carbon benefits of wood products	40	E	FWPCOT3251	Promote the carbon benefits of wood products	40
FPICOT3252A	Use environmental care procedures to undertake fire salvage operations	80	E	FWPCOT3252	Use environmental care procedures to undertake fire salvage operations	80
FPICOT3253A	Convert timber residue into products for further use	30	E	FWPCOT3253	Convert timber residue into products for further use	30
FPICOT3254A	Implement environmentally sustainable work practices in the work area/work site	60	E	FWPCOT3254	Implement environmentally sustainable work practices in the work area/work site	60
FPICOT3255	Apply silvicultural principles	40	E	FWPCOT3255	Apply silvicultural principles	40
FPICOT3256	Apply biodiversity protection principles	40	E	FWPCOT3256	Apply biodiversity protection principles	40
FPICOT3257	Follow cultural heritage requirements	30	E	FWPCOT3257	Follow cultural heritage requirements	30
FPICOT3258	Comply with soil and water protection	40	E	FWPCOT3258	Comply with soil and water protection	40
FPICOT3259	Operate a four wheel drive on unsealed roads	40	E	FWPCOT3259	Operate a four wheel drive on unsealed roads	40
FPICOT3260	Recover four wheel drive vehicles	20	E	FWPCOT3260	Recover four wheel drive vehicles	20
FPICOT3261	Transport forestry logs using trucks	40	E	FWPCOT3261	Transport forestry logs using trucks	40
FPICOT3262	Transport forestry produce using trucks	40	E	FWPCOT3262	Transport forestry produce using trucks	40
FPICOT3263	Maintain and contribute to energy efficiency	30	E	FWPCOT3263	Maintain and contribute to energy efficiency	30
FPICOT3264	Build and maintain timber stacks	20	E	FWPCOT3264	Build and maintain timber stacks	20
			-	FWPCOT3269	Provide specialised timber product solutions	55
FPICOT4201B	Produce complex truss and frame plans and details using computers	60	E	FWPCOT4201	Produce complex truss and frame plans and details using computers	60
FPICOT4202B	Design timber structures	60	E	FWPCOT4202	Design timber structures	60
FPICOT4203B	Plan and coordinate product assembly	20	E	FWPCOT4203	Plan and coordinate product assembly	20
FPICOT4204B	Schedule and coordinate load shifting	30	E	FWPCOT4204	Schedule and coordinate load shifting	30
FPICOT4205B	Coordinate log debarking operations	40	E	FWPCOT4205	Coordinate log debarking operations	40
FPICOT4206B	Plan and coordinate boiler operations	60	E	FWPCOT4206	Plan and coordinate boiler operations	60
FPICOT4207B	Plan and coordinate heat plant operations	60	E	FWPCOT4207	Plan and coordinate heat plant operations	60

			-	FWPCOT4208	Implement workplace sustainability practices	45
FPICOT5201B	Implement sustainable forestry practices	120	E	FWPCOT5201	Implement sustainable forestry practices	120
FPICOT5202B	Manage forestry information and interpretations programs	40	E	FWPCOT5202	Manage forestry information and interpretations programs	40
FPICOT5203B	Manage installation and commissioning of equipment	250	E	FWPCOT5203	Manage installation and commissioning of equipment	250
FPICOT5204B	Organise enterprise maintenance programs	100	E	FWPCOT5204	Organise enterprise maintenance programs	100
FPICOT5205A	Develop biohazard contingency plans	80	E	FWPCOT5205	Develop biohazard contingency plans	80
FPICOT5206B	Implement forestry chain of custody certification system	80	E	FWPCOT5206	Implement forestry chain of custody certification system	80
FPICOT5207A	Implement sustainability in the workplace	80	E	FWPCOT5207	Implement sustainability in the workplace	80
FPICOT5208B	Build and maintain community relationships	50	E	FWPCOT5208	Build and maintain community relationships	50
FPICOT5209B	Manage tree harvesting to minimise environmental impact	80	E	FWPCOT5209	Manage tree harvesting to minimise environmental impact	80
FPICOT6201B	Manage community engagement	60	E	FWPCOT6201	Manage community engagement	60
FPICOT6202B	Develop and manage a forestry chain of custody certification process for the workplace	120	E	FWPCOT6202	Develop and manage a forestry chain of custody certification process	120
FPICOT6203A	Develop engineered timber products to meet energy efficient building	150	E	FWPCOT6203	Develop engineered timber products to meet energy efficient building design needs	150
FPICOT6204A	Use carbon accounting to estimate emissions in the workplace	120	E	FWPCOT6204	Use carbon accounting to estimate emissions	120
FPICOT6205A	Prepare an enterprise carbon management report	80	E	FWPCOT6205	Prepare an enterprise carbon management report	80
FPICOT6207A	Develop forest management systems and processes	200	E	FWPCOT6207	Develop forest management systems and processes	200
			-	FWPCOT6208	Manage innovative thinking and practice in the forest and wood products industry	65
			-	FWPCOT6209	Manage forest and wood products industry research	65
			-	FWPCOT8101	Lead forest and wood products industry innovative thinking and practice	70
			-	FWPCOT8102	Initiate and lead a forest and wood products industry innovation	70
FPIFGM2201B	Collect seed	20	E	FWPFGM2201	Collect seed	20



FPIFGM2202B	Prepare seedbed	60	E	FWPFGM2202	Prepare seedbed	60
FPIFGM2203B	Plant trees by hand	10	E	FWPFGM2203	Plant trees by hand	10
FPIFGM2204B	Plant trees mechanically	10	E	FWPFGM2204	Plant trees mechanically	10
FPIFGM2205B	Prune trees	20	E	FWPFGM2205	Prune trees	20
FPIFGM2206B	Collect data or samples for assessment	20	E	FWPFGM2206	Collect data or samples for assessment	20
FPIFGM2207B	Undertake brushcutting operations	40	E	FWPFGM2207	Undertake brushcutting operations	40
FPIFGM2209B	Cut, sort and set cuttings	20	E	FWPFGM2209	Cut, sort and set cuttings	20
FPIFGM2210B	Implement animal pest control procedures	20	E	FWPFGM2210	Implement animal pest control procedures	20
FPIFGM2211B	Detect fires	20	E	FWPFGM2211	Detect fires	20
FPIFGM2212B	Graft cuttings	20	E	FWPFGM2212	Graft cuttings	20
FPIFGM2213B	Process seed	20	E	FWPFGM2213	Process seed	20
FPIFGM2214B	Maintain visitor sites	20	E	FWPFGM2214	Maintain visitor sites	20
FPIFGM2215B	Measure trees	20	E	FWPFGM2215	Measure trees	20
FPIFGM3201B	Manage seed collection	90	E	FWPFGM3201	Manage seed collection	90
FPIFGM3202B	Extract seed	20	E	FWPFGM3202	Extract seed	20
FPIFGM3203B	Conduct an instrument survey	35	E	FWPFGM3203	Conduct an instrument survey	35
FPIFGM3206B	Plan and implement non-commercial thinning operations	40	E	FWPFGM3206	Plan and implement non-commercial thinning operations	40
FPIFGM3207B	Coordinate stem improvement	120	E	FWPFGM3207	Coordinate stem improvement	120
FPIFGM3209B	Construct and maintain forest roads and tracks	120	E	FWPFGM3209	Construct and maintain forest roads and tracks	120
FPIFGM3210B	Patrol forest	40	E	FWPFGM3210	Patrol forest	40
FPIFGM3211B	Manage coppice stems	40	E	FWPFGM3211	Manage coppice stems	40
FPIFGM3212	Fall trees manually (intermediate)	100	E	FWPFGM3212	Fall trees manually (intermediate)	100
FPIFGM3213	Fall trees manually (advanced)	120	E	FWPFGM3213	Fall trees manually (advanced)	120
FPIFGM3214	Operate a four wheel drive in a towing situation	30	E	FWPFGM3214	Operate a four wheel drive in a towing situation	30
FPIFGM3215	Perform complex 4x4 operations	40	E	FWPFGM3215	Perform complex 4x4 operations	40
FPIFGM4201B	Implement a forest establishment plan	120	E	FWPFGM4201	Implement a forest establishment plan	120
FPIFGM4202B	Manage stand health	120	E	FWPFGM4202	Manage stand health	120

FPIFGM4203C	Design plantations	90	E	FWPFGM4203	Design plantations	90
FPIFGM4204B	Conduct a pests and diseases assessment	50	E	FWPFGM4204	Conduct a pests and diseases assessment	50
FPIFGM4205B	Monitor regeneration rates	20	E	FWPFGM4205	Monitor regeneration rates	20
FPIFGM4206B	Conduct a wood volume and yield assessment	50	E	FWPFGM4206	Conduct a wood volume and yield assessment	50
FPIFGM4207B	Conduct a forest site assessment	50	E	FWPFGM4207	Conduct a forest site assessment	50
FPIFGM4208B	Plan a quarry	120	E	FWPFGM4208	Plan a quarry	120
FPIFGM4209B	Interpret and use aerial photographs for forest management	10	E	FWPFGM4209	Interpret and use aerial photographs for forest management	10
FPIFGM4210B	Prepare a tender	30	E	FWPFGM4210	Prepare a tender	30
FPIFGM5201B	Plan and manage an inventory program	90	E	FWPFGM5201	Plan and manage an inventory program	90
FPIFGM5208B	Manage road construction and maintenance	150	E	FWPFGM5208	Manage road construction and maintenance	150
FPIFGM5210A	Manage tending operations in a native forest	90	E	FWPFGM5210	Manage tending operations in a native forest	90
FPIFGM5211A	Coordinate stand nutrition	120	E	FWPFGM5211	Coordinate stand nutrition	120
FPIFGM5212A	Manage genetic resources	135	E	FWPFGM5212	Manage genetic resources	135
FPIFGM5213A	Coordinate plantation tending operations	120	E	FWPFGM5213	Coordinate plantation tending operations	120
FPIFGM5214A	Develop a native forest regeneration plan	90	E	FWPFGM5214	Develop a native forest regeneration plan	90
FPIFGM5215A	Breed trees	90	E	FWPFGM5215	Breed Trees	90
FPIFGM5216A	Manage coupe planning	200	E	FWPFGM5216	Manage coupe planning	200
FPIFGM5217A	Promote plantations as a sustainable form of land use	80	E	FWPFGM5217	Promote plantations as a sustainable form of land use	80
FPIFGM5219	Undertake carbon stock sampling of forests and plantations	60	E	FWPFGM5219	Undertake carbon stock sampling of forests and plantations	60
FPIFGM6201B	Plan a biochar storage system for carbon capture and storage	150	E	FWPFGM6201	Plan a biochar storage system for carbon capture and storage	150
FPIFGM6203	Manage sustainable tree inventory	150	E	FWPFGM6203	Manage sustainable tree inventory	150
FPIHAR2203B	Hook up felled logs using cables (choker)	40	E	FWPHAR2203	Hook up felled logs using cables (choker)	40
FPIHAR2204B	Perform landing duties (chaser)	40	E	FWPHAR2204	Perform landing duties (chaser)	40
FPIHAR2205B	Conduct mobile splitting operations	30	E	FWPHAR2205	Conduct mobile splitting operations	30
FPIHAR2206B	Operate a mobile chipper/mulcher	30	E	FWPHAR2206	Operate a mobile chipper/mulcher	30
FPIHAR2207A	Trim and cut harvested trees	40	E	FWPHAR2207	Trim and cut harvested trees	40

FPIHAR3201B	Monitor log recovery (rigging slinger)	80	E	FWP HAR3201	Monitor log recovery (rigging slinger)	80
FPIHAR3206C	Conduct forwarder operations	120	E	FWP HAR3206	Conduct forwarder operations	120
FPIHAR3207C	Conduct feller buncher operations	100	E	FWP HAR3207	Conduct feller buncher operations	100
FPIHAR3208C	Conduct boom delimber operations	100	E	FWP HAR3208	Conduct boom delimber operations	100
FPIHAR3210C	Conduct mechanical processor operations	100	E	FWP HAR3210	Conduct mechanical processor operations	100
FPIHAR3211B	Operate yarder	100	E	FWP HAR3211	Operate yarder	100
FPIHAR3213B	Conduct mechanically assisted tree falling operations	150	E	FWP HAR3213	Conduct mechanically assisted tree falling operations	150
FPIHAR3214C	Operate a single grip harvester	200	E	FWP HAR3214	Operate a single grip harvester	200
FPIHAR3215C	Operate a heavy production mobile chipper	200	E	FWP HAR3215	Operate a heavy production mobile chipper	200
FPIHAR3216A	Conduct forestry operations using crawler tractor	40	E	FWP HAR3216	Conduct forestry operations using crawler tractor	40
FPIHAR3217A	Conduct skidder operations	100	E	FWP HAR3217	Conduct skidder operations	100
FPIHAR3218A	Conduct loader operations	40	E	FWP HAR3218	Conduct loader operations	40
FPIHAR3219A	Conduct excavator operations with grabs	100	E	FWP HAR3219	Conduct excavator operations with grabs	100
FPIHAR3220	Harvest trees manually (intermediate)	100	E	FWP HAR3220	Harvest trees manually (intermediate)	100
FPIHAR3221	Harvest trees manually (advanced)	120	E	FWP HAR3221	Harvest trees manually (advanced)	120
FPIHAR4201B	Apply tree jacking techniques	100	E	FWP HAR4201	Apply tree jacking techniques	100
FPIHAR4202B	Coordinate log recovery (hook tender)	80	E	FWP HAR4202	Coordinate log recovery (hook tender)	80
FPIHAR4203B	Design log landings and snig tracks	80	E	FWP HAR4203	Design log landings and snig tracks	80
FPIHAR4204B	Plan and coordinate fire salvage operations	60	E	FWP HAR4204	Plan and coordinate fire salvage operations	60
FPIHAR4205B	Implement harvesting plans	60	E	FWP HAR4205	Implement harvesting plans	60
FPIHAR5201B	Design harvesting plans	200	E	FWP HAR5201	Design harvesting plans	200
FPISAW2201B	Grade round poles and debarked logs	20	E	FWPSAW2201	Grade round poles and debarked logs	20
FPISAW2202B	Sort boards manually	20	E	FWPSAW2202	Sort boards manually	20
FPISAW2203B	Sort boards mechanically	20	E	FWPSAW2203	Sort boards mechanically	20
FPISAW2204B	Dock boards with mechanical feed	20	E	FWPSAW2204	Dock boards with mechanical feed	20
FPISAW2205B	Assemble materials using nail plates	20	E	FWPSAW2205	Assemble materials using nail plates	20
FPISAW2206B	De-stack seasoning racks	20	E	FWPSAW2206	De-stack seasoning racks	20

FPISAW2207B	Round softwood logs	20	E	FWPSAW2207	Round softwood logs	20
FPISAW2208B	Split wood products	20	E	FWPSAW2208	Split wood products	20
FPISAW2209B	Dismantle, transport and assemble hand portable sawmill	60	E	FWPSAW2209	Dismantle, transport and assemble hand portable sawmill	60
FPISAW2210B	Prepare for timber treatment operations	30	E	FWPSAW2210	Prepare for timber treatment operations	30
FPISAW3201B	Treat timber	30	E	FWPSAW3201	Treat timber	30
FPISAW3202B	Produce sawn green boards	40	E	FWPSAW3202	Produce sawn green boards	40
FPISAW3203B	Break down logs	40	E	FWPSAW3203	Break down logs	40
FPISAW3204B	Saw flitches and cants	20	E	FWPSAW3204	Saw flitches and cants	20
FPISAW3205B	Dry hardwood	40	E	FWPSAW3205	Dry hardwood	40
FPISAW3206B	Dry softwood	40	E	FWPSAW3206	Dry softwood	40
FPISAW3207B	Sharpen band saws	30	E	FWPSAW3207	Sharpen band saws	30
FPISAW3208B	Sharpen circular saws	30	E	FWPSAW3208	Sharpen circular saws	30
FPISAW3209B	Align sawing production systems	40	E	FWPSAW3209	Align sawing production systems	40
FPISAW3210B	File and set saws	40	E	FWPSAW3210	File and set saws	40
FPISAW3211B	Recondition guides	40	E	FWPSAW3211	Recondition guides	40
FPISAW3212B	Sharpen tipped circular saws	30	E	FWPSAW3212	Sharpen tipped circular saws	30
FPISAW3213B	Level and tension circular saws	50	E	FWPSAW3213	Level and tension circular saws	50
FPISAW3214B	Join band saw blades	40	E	FWPSAW3214	Join band saw blades	40
FPISAW3215B	Screen wood chips	40	E	FWPSAW3215	Screen wood chips	40
FPISAW3215B	Screen wood chips	40	E	FWPSAW3216	Transfer wood chips	40
FPISAW3217B	Hard face saw teeth	30	E	FWPSAW3217	Hard face saw teeth	30
FPISAW3218B	Replace tungsten tips	30	E	FWPSAW3218	Replace tungsten tips	30
FPISAW3219B	Replace stellite tips	30	E	FWPSAW3219	Replace stellite tips	30
FPISAW3220C	Maintain wide band saw blades	40	E	FWPSAW3220	Maintain wide band saw blades	40
FPISAW3221B	Profile saw blanks	40	E	FWPSAW3221	Profile saw blanks	40
FPISAW3222B	Recondition band mill wheels	40	E	FWPSAW3222	Recondition band mill wheels	40
FPISAW3223B	Assess wood chips	40	E	FWPSAW3223	Assess wood chips	40

FPISAW3224B	Coordinate and monitor the wood chip stockpile	40	E	FWPSAW3224	Coordinate and monitor the wood chip stockpile	40
FPISAW3225B	Maintain frame saw blades	40	E	FWPSAW3225	Maintain frame saw blades	40
FPISAW3226B	Saw logs using CNC optimising systems	40	E	FWPSAW3226	Saw logs using CNC optimising systems	40
FPISAW3227B	Select and saw logs in multi-species operations	40	E	FWPSAW3227	Select and saw logs in multi-species operations	40
FPISAW3228B	Apply principles of blade design to sawing procedures	30	E	FWPSAW3228	Apply principles of blade design to sawing procedures	30
FPISAW3229B	Operate a portable sawmill	60	E	FWPSAW3229	Operate a portable sawmill	60
FPISAW4201B	Plan and monitor timber treatment plant operations	30	E	FWPSAW4201	Plan and monitor timber treatment plant operations	30
FPISAW4202B	Plan and monitor saw log operations	50	E	FWPSAW4202	Plan and monitor saw log operations	50
FPISAW4203B	Coordinate timber drying operations	50	E	FWPSAW4203	Coordinate timber drying operations	50
FPISAW4204B	Plan and monitor board conversion	50	E	FWPSAW4204	Plan and monitor board conversion	50
FPITMM2201B	Cut material to length and angles	30	E	FWPTMM2201	Cut material to length and angles	30
FPITMM2202B	Machine material	20	E	FWPTMM2202	Machine material	20
FPITMM2203A	Read and interpret timber truss, floor and/or frame fabrication plans	30	E	FWPTMM2203	Read and interpret timber truss, floor and/or frame fabrication plans	30
FPITMM3201B	Convert timber	40	E	FWPTMM3201	Convert timber	40
FPITMM3202B	Manufacture using joinery machines	35	E	FWPTMM3202	Manufacture using joinery machines	35
FPITMM3203B	Estimate and cost job	50	E	FWPTMM3203	Estimate and cost job	50
FPITMM3204A	Interpret designs to prepare timber roof truss drawings and documents using computers	75	E	FWPTMM3204	Interpret designs to prepare timber roof truss drawings and documents using computers	75
FPITMM3205A	Interpret designs to prepare timber floor system drawings and documents using computers	75	E	FWPTMM3205	Interpret designs to prepare timber floor system drawings and documents using computers	75
FPITMM3206A	Interpret designs to prepare timber wall frame drawings and documents using computers	75	E	FWPTMM3206	Interpret designs to prepare timber wall frame drawings and documents using computers	75
FPITMM3207A	Set up timber floor trusses	30	E	FWPTMM3207	Set up timber floor trusses	30
FPITMM4201B	Construct prototypes and samples	40	E	FWPTMM4201	Construct prototypes and samples	40
FPITMM4202B	Diagnose and calculate production costs	80	E	FWPTMM4202	Diagnose and calculate production costs	80
FPITMM4203B	Install and commission CNC software	120	E	FWPTMM4203	Install and commission CNC software	120
FPITMM4204B	Sample and test products to specifications	40	E	FWPTMM4204	Sample and test products to specifications	40

FPITMM4205A	Prepare and advise on a broad range of timber roof truss details using computers	120	E	FWPTMM4205	Prepare and advise on a broad range of timber roof truss details using computers	120
FPITMM4206A	Prepare and advise on a broad range of timber floor system details using computers	120	E	FWPTMM4206	Prepare and advise on a broad range of timber floor system details using computers	120
FPITMM4207A	Prepare and advise on a broad range of timber wall frame details using computers	120	E	FWPTMM4207	Prepare and advise on a broad range of timber wall frame details using computers	120
FPITMM5201B	Assess product feasibility of designs	100	E	FWPTMM5201	Assess product feasibility of designs	100
FPITMM5202B	Develop, trial and evaluate prototypes	150	E	FWPTMM5202	Develop, trial and evaluate prototypes	150
FPITMM5203B	Generate and transfer complex computer-aided drawings and specifications	150	E	FWPTMM5203	Generate and transfer complex computer-aided drawings and specifications	150
FPITMM5204B	Manage product design	180	E	FWPTMM5204	Manage product design	180
FPITMM5205B	Optimise CNC operations	180	E	FWPTMM5205	Optimise CNC operations	180
FPITMM5206B	Plan production	200	E	FWPTMM5206	Plan production	200
FPIWPP2201B	Cut panels	20	E	FWPWPP2201	Cut panels	20
FPIWPP2202B	Surface treat raw board	20	E	FWPWPP2202	Surface treat raw board	20
FPIWPP2203B	Repair veneer and ply	10	E	FWPWPP2203	Repair veneer and ply	10
FPIWPP2204B	Repair veneer mechanically	10	E	FWPWPP2204	Repair veneer mechanically	10
FPIWPP2205B	Prepare chip or fibre blends	20	E	FWPWPP2205	Prepare chip or fibre blends	20
FPIWPP2206B	Prepare veneer for ply	10	E	FWPWPP2206	Prepare veneer for ply	10
FPIWPP2207B	Scarf edges of veneer	15	E	FWPWPP2207	Scarf edges of veneer	15
FPIWPP2208B	Cut veneer	10	E	FWPWPP2208	Cut veneer	10
FPIWPP2209B	Saw products from continuous ply	10	E	FWPWPP2209	Saw products from continuous ply	10
FPIWPP2210B	Cut panels to profile	20	E	FWPWPP2210	Cut panels to profile	20
FPIWPP2211B	Move material by transfer equipment	30	E	FWPWPP2211	Move material by transfer equipment	30
FPIWPP3201B	Produce veneer from debarked logs	30	E	FWPWPP3201	Produce veneer from debarked logs	30
FPIWPP3202B	Paint panels	10	E	FWPWPP3202	Paint panels	10
FPIWPP3203B	Produce fibre from chips	15	E	FWPWPP3203	Produce fibre from chips	15
FPIWPP3204B	Form board	70	E	FWPWPP3204	Form board	70
FPIWPP3205B	Match and join veneer	10	E	FWPWPP3205	Match and join veneer	10
FPIWPP3206B	Laminate and veneer board surfaces	15	E	FWPWPP3206	Laminate and veneer board surfaces	15

FPIWPP3207B	Clip veneer	10	E	FWPWPP3207	Clip veneer	10
FPIWPP3208B	Punch peg holes in panels	10	E	FWPWPP3208	Punch peg holes in panels	10
FPIWPP3209B	Prepare resin and additives	15	E	FWPWPP3209	Prepare resin and additives	15
FPIWPP3210B	Laminate board	20	E	FWPWPP3210	Laminate board	20
FPIWPP3211B	Maintain caul plates and screens	10	E	FWPWPP3211	Maintain caul plates and screens	10
FPIWPP3212B	Dry material	25	E	FWPWPP3212	Dry material	25
FPIWPP3213B	Heat treat material	15	E	FWPWPP3213	Heat treat material	15
FPIWPP3214B	Treat paper	10	E	FWPWPP3214	Treat paper	10
FPIWPP3215B	Cut paper	5	E	FWPWPP3215	Cut paper	5
FPIWPP3216B	Press material using the daylight process	40	E	FWPWPP3216	Press material using the daylight process	40
FPIWPP3217B	Process production effluent	20	E	FWPWPP3217	Process production effluent	20
FPIWPP3218B	Plan and coordinate machining of panels	30	E	FWPWPP3218	Plan and coordinate machining of panels	30
FPIWPP3219B	Blend and test binding mixes	20	E	FWPWPP3219	Blend and test binding mixes	20
FPIWPP3220B	Plan and coordinate panel painting	10	E	FWPWPP3220	Plan and coordinate panel painting	10
FPIWPP3221B	Trim new panels to size	15	E	FWPWPP3221	Trim new panels to size	15
FPIWPP3222B	Press laminated ply	20	E	FWPWPP3222	Press laminated ply	20
FPIWPP3223B	Immunise veneer	30	E	FWPWPP3223	Immunise veneer	30
FPIWPP3224B	Profile sand products	10	E	FWPWPP3224	Profile sand products	10
FPIWPP3225B	Produce profile sanding shoes and wheels	15	E	FWPWPP3225	Produce profile sanding shoes and wheels	15
FPIWPP3226B	Operate a continuous press	40	E	FWPWPP3226	Operate a continuous press	40
FPIWPP3227B	Vacuum paint	15	E	FWPWPP3227	Vacuum paint	15
FPIWPP3228B	Dry Wood Flakes	30	E	FWPWPP3228	Dry Wood Flakes	30
FPIWPP3229B	Classify flake	15	E	FWPWPP3229	Classify flake	15
FPIWPP3230B	Produce decorative veneers	40	E	FWPWPP3230	Produce decorative veneers	40
FPIWPP3231B	Produce veneer from prepared flitches	30	E	FWPWPP3231	Produce veneer from prepared flitches	30
FPIWPP4201B	Plan and coordinate panel production	15	E	FWPWPP4201	Plan and coordinate panel production	15
FPIWPP4202B	Perform laboratory testing	40	E	FWPWPP4202	Perform laboratory testing	40

## Apprenticeships

The following table provides a summary of the qualifications in the FWP Forest and Wood Products Training Package and the accredited apprenticeship courses they will replace.

FPI11 Current Unit					FWP Replacement Unit		
National Code	National Title	Apprenticeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
FPI30711	Certificate III in Sawdoctoring	AP01710: SAWDOCTOR	720	E	FWP30716	Certificate III in Sawdoctoring	720



## Traineeships

The following table provides a summary of the qualifications in the FWP: Forest and Wood Products Training Package and the accredited traineeship courses they will replace.

FPI11 Current Unit					FWP Replacement Unit		
National Code	National Title	Traineeship	Nominal Hours	E / NE	National Code	National Title	Nominal Hours
FPI20111	Certificate II in Forest Growing and Management	TR06380: FOREST GROWING AND MANAGEMENT (LEVEL 2)	455	E	FWP20116	Certificate II in Forest Growing and Management	297
FPI20113	Certificate II in Forest Growing and Management	TR06380: FOREST GROWING AND MANAGEMENT (LEVEL 2)	455	E			
FPI20211	Certificate II in Harvesting and Haulage	TR06400: HARVESTING AND HAULAGE (LEVEL 2)	400	E	FWP20216	Certificate II in Harvesting and Haulage	335
FPI20213	Certificate II in Harvesting and Haulage	TR06400: HARVESTING AND HAULAGE (LEVEL 2)	400	E			
FPI20311	Certificate II in Sawmilling and Processing	TR06420: SAWMILLING AND PROCESSING (LEVEL 2)	440	E	FWP20316	Certificate II in Sawmilling and Processing	440
FPI20411	Certificate II in Wood Panel Products	TR06480: WOOD PANEL PRODUCTS (LEVEL 2)	395	E	FWP20416	Certificate II in Wood Panel Products	395
FPI20511	Certificate II in Timber Manufactured Products	TR06440: TIMBER MANUFACTURED PRODUCTS (LEVEL 2)	325	E	FWP20516	Certificate II in Timber Manufactured Products	325
FPI20611	Certificate II in Timber Merchandising	TR06460: TIMBER MECHANDISING (LEVEL 2)	440	E	FWP20616	Certificate II in Timber Merchandising	440
FPI20711	Certificate II in Timber Truss and Frame Design and Manufacture	TR10150: TIMBER FABRICATION PRODUCTION HAND	317	E	FWP20716	Certificate II in Timber Truss and Frame Design and Manufacture	317
FPI30111	Certificate III in Forest Growing and Management	TR06390: FOREST GROWING AND MANAGEMENT (LEVEL 3)	694	E	FWP30116	Certificate III in Forest Growing and Management	453
FPI30113	Certificate III in Forest Growing and Management	TR06390: FOREST GROWING AND MANAGEMENT (LEVEL 3)	694	E			
FPI30211	Certificate III in Harvesting and Haulage	TR06410: HARVESTING AND HAULAGE (LEVEL 3)	880	E	FWP30216	Certificate III in Harvesting and Haulage	525
FPI30213	Certificate III in Harvesting and Haulage	TR06410: HARVESTING AND HAULAGE (LEVEL 3)	880	E			
FPI30311	Certificate III in Sawmilling and Processing	TR06430: SAWMILLING AND PROCESSING (LEVEL 3)	441	E	FWP30316	Certificate III in Sawmilling and Processing	441
FPI30411	Certificate III in Wood Panel Products	TR06490: WOOD PANEL PRODUCTS (LEVEL 3)	475	E	FWP30416	Certificate III in Wood Panel Products	475

FPI30511	Certificate III in Timber Manufactured Products	TR06450: TIMBER MANUFACTURED PRODUCTS (LEVEL 3)	442	E	FWP30516	Certificate III in Timber Manufactured Products	442
FPI30611	Certificate III in Timber Merchandising	TR08140: TIMBER MECHANDISING (LEVEL 3)	561	E	FWP30616	Certificate III in Timber Merchandising	561
FPI30911	Certificate III in Timber Truss and Frame Design and Manufacture	TR10160: TIMBER FABRICATION ESTIMATOR OR JIG SETTER	517	E	FWP30916	Certificate III in Timber Truss and Frame Design and Manufacture	517
FPI40111	Certificate IV in Forest Operations	TR07230: FORESTER (OPERATIONS) (LEVEL 4)	870	E	FWP40116	Certificate IV in Forest Operations	870
FPI40211	Certificate IV in Timber Processing	TR07240: PRODUCTION TECHNICIAN (TIMBER) (LEVEL 4)	717	E	FWP40216	Certificate IV in Timber Processing	717
FPI40311	Certificate IV in Timber Truss and Frame Manufacture	TR10170: TIMBER FABRICATION PRODUCTION SPECIALIST OR LEADING HAND	550	E	FWP40316	Certificate IV in Timber Truss and Frame Manufacture	550
FPI40411	Certificate IV in Timber Truss and Frame Design	TR10180: TIMBER FABRICATION DETAILER	910	E	FWP40416	Certificate IV in Timber Truss and Frame Design	910
FPI50311	Diploma in Timber Truss and Frame Manufacture	TR10190: TIMBER FABRICATION PRODUCTION MANAGER	1640	E	FWP50216	Diploma in Timber Truss and Frame Manufacture	1640
FPI50411	Diploma in Timber Truss and Frame Design	TR10200: TIMBER FABRICATION DETAILING MANAGER	1210	E	FWP50316	Diploma in Timber Truss and Frame Design	1210