



Australian Government

FWP30121 Certificate III in Forest Operations

Release 2

FWP30121 Certificate III in Forest Operations

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 7.1.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Qualification Description

This qualification describes the job of people who operate at a production level in a forest operation.

Individuals with this qualification apply specialised skills and knowledge relevant to operational roles in forest operations. This includes applying knowledge of health and safety responsibilities and protecting the environment, including the areas of cultural significance. They are also expected to operate equipment according to workplace procedures and conduct work tasks specific to a forest operation.

At this level, workers complete tasks under limited supervision and collaborate with others to meet productivity requirements.

This qualification enables specialisations in:

- Forest Nursery Production,
- Silviculture, or
- Timber Harvesting and Haulage.

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:

- 13 units of competency:
 - 2 core units
 - 11 elective units.

Elective units must ensure the integrity of the alignment between the qualification and the Australian Qualification Framework (AQF) and contribute to a valid, industry-supported vocational outcome. Electives can be chosen to provide a general qualification or a qualification with a specialisation.

For the award of the *FWP30121 Certificate III in Forest Operations* choose:

- 1 unit from the electives in group A or 2 units from the electives in Group B
- at least 7 units from the electives in Groups C to K
- up to 2 units from the remaining electives in Groups C to K, or from any currently endorsed Training Package or accredited course.

For the award of the *FWP30121 Certificate III in Forest Operations (Forest Nursery Production)* choose:

- at least 4 units from the electives in Group D and/or I
- at least 5 units from the electives in Groups A to K, excluding specialisation electives already selected
- up to 2 units from the remaining electives in Groups A to K, or from any currently endorsed Training Package or accredited course.

For award of the *FWP30121 Certificate III in Forest Operations (Silviculture)* choose:

- 1 unit from the electives in Group A or 2 units from the electives in Group B
- at least 4 units from the electives in Group E and/or I
- at least 3 units from the electives in Groups C to K, excluding specialisation electives already selected
- up to 2 units from the remaining electives in Groups C to K, or from any currently endorsed Training Package or accredited course.

For award of the *FWP30121 Certificate III in Forest Operations (Timber Harvesting and Haulage)* choose:

- 1 unit from the electives in group A or 2 units from the electives in Group B
- at least 4 units from the electives in Group F
- at least 3 units from the electives in Groups C to K, excluding specialisation electives already selected
- up to 2 units from the remaining electives in Groups C to K, or from any currently endorsed Training Package or accredited course.

Core Units

FWPCOR2206	Work effectively in the forest and wood products industry
FWPCOR2208	Communicate and interact effectively in the forest and wood products industry

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: Safety and Environment

FWPCOR3205	Apply safety, health and environmental requirements in forest and wood products operations
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Group B: Safety and Environment

FWPCOR2209	Follow environmental protection procedures in forest and wood products operations
FWPCOR2210	Follow workplace health and safety policies and procedures in forest and wood products operations

Group C: Safety and Environment

AHCILM401	Protect places of cultural significance
FWPCOT3311	Use environmental care procedures to undertake fire salvage operations
FWPCOT3312	Implement environmentally sustainable work practices in the work area/work site
FWPCOT3313	Apply biodiversity protection principles
FWPCOT3314	Comply with soil and water protection
FWPCOT3321 *	Apply situational awareness and a safety mindset in operational forestry roles
FWPCOT3322	Apply quality and product care procedures in forest and wood products operations
FWPCOT3324	Apply cultural heritage protection requirements in forest operations
HLTAID009	Provide cardiopulmonary resuscitation
HLTAID011	Provide First Aid
HLTAID013	Provide First Aid in remote or isolated site
HLTAID014	Provide Advanced First Aid

Group D: Forest Nursery Production Operations**Seed Orchard**

FWPNSY3001	Graft nursery stock for planting in seed orchard
FWPNSY3002	Extract, clean, store and despatch tree seeds
FWPNSY3004	Identify, evaluate and mark quality seed trees
FWPNSY3005	Maintain seed orchard

Tree propagation

AHCNSY207	Undertake propagation activities
FWPNSY2005	Apply tree seed treatment

Tree Stock Growing

AHCWRK207	Collect and record production data
FBPVIT3004	Monitor and maintain nursery plants
FWPNSY3003	Apply knowledge of tree stock growing in a forest nursery
FWPNSY3006	Manage mother plants

Nursery Infrastructure

AHCIRG328	Operate irrigation controller and sensor technology
AHCIRG346	Operate pressurised irrigation systems
AHCNSY314	Operate fertigation equipment
FWPNSY3007	Operate automated topping system as part of tree production nursery operations
FWPNSY3008	Operate automated seed sowing line for containerised forest seedling production

Tree Stock Quality

AHC BIO303	Apply biosecurity measures
AHCWRK401	Implement and monitor quality assurance procedures

Group E: Silviculture Operations**Mechanical Site Preparation**

FWPSIL3003	Use mechanised equipment for forestry site preparation
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Tree Planting

FWPSIL3002	Plant trees mechanically
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Forest Pruning

FWPCOT3301	Trim trees using a pole saw
FWPSIL2003	Prune trees
FWPSIL3001	Apply sustainable silviculture treatments

Forest Health

AHCMOM306	Ground spread fertiliser and soil ameliorant
AHCPMG301	Control weeds
AHCPMG302	Control plant pests, diseases and disorders
AHCPMG304	Use firearms to humanely destroy animals
AHCPMG309	Apply pest animal control techniques

Hand Tree Felling

AHCARB318*	Undertake aerial rescue
AHCARB319	User arborist climbing techniques
FWPCOT3317	Use chainsaw within a tree
FWPCOT3330	Apply tree jacking techniques in felling trees
FWPFGM3216	Fell trees manually (intermediate)
FWPFGM3217	Fell trees manually (advanced)

UTV/ATV Vehicles

FWPCOT2265	Navigate in forest areas
FWPCOT3325	Operate four wheel drive vehicle on unsealed roads

FWPCOT3326	Recover four wheel drive vehicle
FWPCOT3328	Operate four wheel drive vehicle in a towing situation
FWPCOT3329	Perform complex four wheel drive operations

Group F: Timber Harvesting and Haulage Operations

Commercial Manual Tree Felling

FWPHAR3205	Harvest trees manually (intermediate)
FWPHAR3209	Harvest trees manually (advanced)

Mechanical Tree Felling

FWPHAR3226	Operate feller buncher
FWPHAR3229	Operate single grip harvester
FWPHAR3232	Operate harvesting machine with winch-assist system
FWPHAR3234	Conduct mechanical processor operations
FWPHAR3235	Conduct mechanically assisted tree falling operations

Log Extraction, Landing and Loading

FWPHAR3202	Monitor log recovery (rigging slinger)
FWPHAR3212	Operate yarder
FWPHAR3224	Operate crawler tractor
FWPHAR3225	Operate excavator with log grapple
FWPHAR3227	Operate forwarder
FWPHAR3228	Operate loader
FWPHAR3230	Operate skidder
TLILIC0024	Licence to operate a vehicle loading crane (capacity 10 metre tonnes and above)

Log Sorting, Grading and Marking

FWPCOT3270	Grade and mark logs
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FWPCOT3323	Assess wood materials visually
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Haulage

FWPCOT3315	Transport forestry logs using trucks
FWPCOT3316	Transport forestry produce using trucks
TLIH0005	Interpret road maps and navigate pre-determined routes
TLIF2010	Apply fatigue management strategies

Technology and Digital Data

FWPCOT3318	Access, capture and communicate forestry field data using mobile devices
FWPCOT3319	Read and interpret digital maps and forest operation plans
FWPHAR3222	Use on-board computer systems for forwarder
FWPHAR3223	Use on-board computer systems for single grip harvester

Equipment Maintenance

AHCMOM301	Coordinate machinery and equipment maintenance and repair
FWPCOT3224	Plan and monitor equipment maintenance

Group G: Site Access and Roding

AHCSAW304	Implement erosion and sediment control measures
FWPCOT3306	Rehabilitate tracks, quarries and landings
FWPFGM3208	Construct and maintain forest roads and tracks
RIIHAN308F	Load and unload plant
RIIMPO315E	Conduct tractor operations
RIIMPO317F	Conduct roller operations
RIIMPO318F	Conduct civil construction skid steer loader operations
RIIMPO319E	Conduct backhoe/loader operations

RIIMPO320F	Conduct civil construction excavator operations
RIIMPO321F	Conduct civil construction wheeled front end loader operations
RIIMPO322E	Conduct civil construction tracked front end loader operations
RIIMPO323E	Conduct civil construction dozer operations
RIIMPO324F	Conduct civil construction grader operations
RIIVEH304E	Conduct tip truck operations

Group H: Fire Control

Bushfire Awareness and Prevention

AHCWRK302	Monitor weather conditions
FWPFIR2001	Follow fire prevention procedures
FWPFIR3001	Assess fire risk
PUAFIR323	Take local weather observations

Bushfire Suppression

PUAEQU001*	Prepare, maintain and test response equipment
PUAFIR203*	Respond to urban fire
PUAFIR204*	Respond to wildfire
PUAFIR205*	Respond to aviation incident
PUAFIR207*	Operate breathing apparatus open circuit
PUAFIR210	Prevent injury
PUAFIR220*	Respond to isolated structure fire
PUAFIR303*	Suppress wildfire
PUAFIR309*	Operate pumps
PUAFIR325	Operate heavy plant in fire control operations

PUAFIR326	Push trees with machines in forest fire control operations
PUALAW002	Conduct initial investigation at incident scene
PUAOPE014	Navigate to an incident
PUAWHS002*	Maintain safety at an incident scene
PUATEA001	Work in a team
PUATEA002*	Work autonomously
RIIPGP201D	Conduct pump operations

Prescribed Burning

PUAFIR201*	Assist with prescribed burning
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Group I: Chemical Application

AHCCHM304	Transport and store chemicals
AHCCHM307	Prepare and apply chemicals to control pest, weeds and diseases

Group J: Other Forestry Operations

Fencing

AHCINF303	Plan and construct conventional fencing
AHCLSC318	Erect timber structures and features

In-field Wood Chipping

FWPHAR3203	Operate integrated or split flail and wood chipper with crane
FWPHAR3204	Operate split flail and wood chipper fed by mobile machine

Group K: Personal Effectiveness

BSBLDR301	Support effective workplace relationships
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BSBTWK201	Work effectively with others
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Prerequisite requirements

Units listed in the *Prerequisite requirement* column that have their own prerequisite requirements are shown with an asterisk (*)

Unit of competency	Prerequisite requirement
AHCARB318 Undertake aerial rescue	HLTAID011 Provide First Aid AHCARB319 Use arborist climbing techniques
FWPCOT3321 Apply situational awareness and a safety mindset in operational forestry roles	FWPCOR3205 Apply safety, health and environmental requirements in forest and wood products operations or FWPCOR2210 Follow workplace health and safety policies and procedures in forest and wood products operations
PUAEQU001 Prepare, maintain and test response equipment	PUAFIR210 Prevent injury
PUAFIR201 Assist with prescribed burning	PUAFIR210 Prevent injury
PUAFIR203 Respond to urban fire	PUAFIR207* Operate breathing apparatus open circuit
PUAFIR204 Respond to wildfire	PUAFIR210 Prevent injury
PUAFIR205 Respond to aviation incident	PUAFIR203* Respond to urban fire
PUAFIR207 Operate breathing apparatus open circuit	PUAFIR210 Prevent injury
PUAFIR220 Respond to isolated structure fire	PUAFIR210 Prevent injury
PUAFIR303 Suppress wildfire	PUAFIR204* Respond to wildfire
PUAFIR309 Operate pumps	PUAEQU001* Prepare, maintain and test response equipment And one of the following units: PUAFIR203* Respond to urban fire

	PUAFIR204* Respond to wildfire PUAFIR205* Respond to aviation incident (specialist) PUAFIR220* Respond to isolated structure fire
PUATEA002 Work autonomously	PUATEA001 Work in a team
PUAWHS002 Maintain safety at an incident scene	PUAFIR210 Prevent injury

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP30121 Certificate III in Forest Operations Release 2	FWP30121 Certificate III in Forest Operations Release 1	Imported elective unit codes updated Prerequisite requirements table corrected	Equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>