



**Australian Government**

# **FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture**

**Release 2**

# FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture

## Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 4.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 2.0.

## Qualification Description

This qualification is designed for job roles in the timber truss and frame sector of the forest and forest products industry.

The outcome of this qualification can satisfy entry requirements into FWP40416 Certificate IV in Timber Truss and Frame Design by completing the following elective units:

- FWPCOT3204 Prepare and interpret sketches and drawings
- FWPCOT3214 Take off material quantities
- FWPCOT3218 Quote and interpret from manufactured timber product plans
- FWPCOT3220 Quote and interpret from computerised timber manufactured product plans
- FWPCOT3239 Create drawings using computer aided design systems

Plus at least one of the following specialist design units:

- FWPTMM3204 Interpret designs to prepare timber roof truss drawings and documents using computers
- FWPTMM3205 Interpret designs to prepare timber floor system drawings and documents using computers
- FWPTMM3206 Interpret designs to prepare timber wall frame drawings and documents using computers

### Job roles

This qualification satisfies employment pathways for typical operational environments of timber truss and frame design, including:

- Designer (Timber truss and frame)
- Production fabricator (Timber truss and frame)

Licensing, legislative, regulatory, or certification requirements may apply to units in this qualification in some states & territories at the time of publication and may differ according to jurisdiction.

Some imported units in the elective bank may be subject to licensing, legislative, regulatory, or certification requirements. These units must be implemented in line with the licensing requirements outlined in the unit's parent Training Package.

## 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:
  - 5 core units plus
  - 8 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:

- 8 units of competency from the elective groups A, B or C, the total of which can include up to 2 units recommended for packaging at Certificate II, Certificate III or Certificate IV in any endorsed Training Package or State/Territory accredited course

Elective units must be relevant to work undertaken in the timber truss and frame 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
FWPCOR3201	Implement safety, health and environment policies and procedures
FWPCOR3202	Conduct quality and product care procedures

### Elective Units

#### Group A

#### Specialist Design

FWPTMM320 4	Interpret designs to prepare timber roof truss drawings and documents using computers
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FWPTMM320 5	Interpret designs to prepare timber floor system drawings and documents using computers
FWPTMM320 6	Interpret designs to prepare timber wall frame drawings and documents using computers

## Group B

### Forest

FWPCOT3204	Prepare and interpret sketches and drawings
FWPCOT3214	Take off material quantities
FWPCOT3218	Quote and interpret from manufactured timber product plans
FWPCOT3220	Quote and interpret from computerised timber manufactured product plans
FWPCOT3239	Create drawings using computer aided design systems
FWPCOT4202	Design timber structures

### Construction

CPCBC4001 A	Apply building codes and standards to the construction process for low rise building projects
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## Group C

### Forest

FWPCOR3204	Visually assess materials
FWPCOT2235	Assess timber for manufacturing potential
FWPCOT3234	Cut material using CNC sizing machines
FWPCOT3235	Machine material using CNC machining and processing centres
FWPCOT3236	Coordinate stock control procedures

FWPCOT3241	Assemble timber wall frames
FWPCOT3242	Lay up timber roof trusses
FWPCOT3243	Operate a truss press
FWPCOT3264	Build and maintain timber stacks
FWPCOT4203	Plan and coordinate product assembly
FWPCOT4204	Schedule and coordinate load shifting
FWPTMM220 3	Read and interpret timber truss, floor and/or frame fabrication plans
FWPTMM320 7	Set up timber floor trusses

### Business

BSBCUS301	Deliver and monitor a service to customers
BSBCUS402	Address customer needs
BSBFLM305	Support operational plan
BSBINM301	Organise workplace information

### Construction

CPCCBBC4014 A	Prepare simple building sketches and drawings
CPCCCM1015 A	Carry out measurements and calculations
FWPTMM320 9	Install prefabricated timber building systems on-site

### Health and Safety

HLTAID003	Provide first aid
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HLTAID006	Provide advanced first aid
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### Manufacturing

FWPCOT3263	Maintain and contribute to energy efficiency
FWPTMM3208	Apply critical workplace processes in the manufacture of prefabricated timber building systems
MSMSUP390	Use structured problem-solving tools
MSS402001	Apply competitive systems and practices
MSS403032	Analyse manual handling processes
MSS403087	Mistake proof an operational process

### Training

TAEDEL301	Provide work skill instruction
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### Transport

TLIA3018	Organise despatch operations
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## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture Release 2	FWP30916 Certificate III in Timber Truss and Frame Design and Manufacture Release 1	Updated to include revised units and superseded and deleted imported units	Equivalent qualification

## Links

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