



**Australian Government**

# **FWP40420 Certificate IV in Timber Systems Design**

**Release 2**

## FWP40420 Certificate IV in Timber Systems Design

### Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 7.0.
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

### Qualification Description

This qualification reflects the role of people who work as timber systems designers, estimators or detailers in the timber truss and frame industry. In these roles they are required to read architectural plans to calculate material quantities and costs, and produce building code compliant timber system wall and/or truss fabrication plans and documents.

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:

- 15 units of competency:
  - 6 core units plus
  - 9 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:

- at least five units must be selected from Group A
- remaining elective units may be selected from Group A or Group B and up to two units may be selected from any currently endorsed Training Package or accredited course.

### Core Units

BSBXTW301	Work in a team
-----------	----------------

CPPCMN4008	Read plans, drawings and specifications for residential buildings
FWPCOT3303	Prepare sketches and drawings
FWPCOT3304	Take off material quantities
FWPCOT3305	Interpret and quote from manufactured timber product plans
FWPTMM321 5	Work effectively in the timber systems design industry

## Elective Units

### Group A

CPCBC4001	Apply building codes and standards to the construction process for Class 1 and 10 buildings
FWPCOT3219	Produce standard truss or frame plans and details using computers
FWPCOT4201	Produce complex truss and frame plans and details using computers
FWPCOT4209	Design timber structures
FWPTMM420 9	Interpret details of timber roof trusses to inform design of plans and production documents
FWPTMM421 0	Interpret details of timber floor systems to inform design of plans and production documents
FWPTMM421 1	Interpret details of timber wall frames to inform design of plans and production documents

### Group B

AHCWRK509	Provide specialist advice to clients
BSBOPS404	Implement customer service strategies
CPCBC4024	Resolve business disputes
CPCCOM1015	Carry out measurements and calculations

FWPCOR2210	Follow workplace health and safety policies and procedures in forest and wood products operations
FWPCOT3307	Create drawings using computer aided design software
MSMSUP390	Use structured problem-solving tools
TAEDEL301	Provide work skill instruction
TLIJ0003	Apply quality systems

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP40420 Certificate IV in Timber Systems Design Release 2	FWP40420 Certificate IV in Timber Systems Design Release 1	Updated unit codes	Equivalent

## Links

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