



**Australian Government**

# **FWP50316 Diploma of Timber Truss and Frame Design**

**Release 2**

# FWP50316 Diploma of Timber Truss and Frame Design

## 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 wood products industry

### Job roles

This qualification has one employment pathway for typical management environments of forest and wood products industries. This is:

- Designer (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

The entry requirement for this qualification is the successful achievement of the following units contained in FWP40416 Certificate IV Timber Truss and Frame Design, or demonstration of equivalent competence:

- FWPCOT4202 Design timber structures
- FWPTMM4201 Construct prototypes and samples
- MSAPMSUP390A Use structured problem solving tools
- CPCBC4001A Apply building codes and standards to the construction process for low-rise building projects
- CPCSUS4001A Implement and monitor environmentally sustainable work practices

Plus at least one of the following units:

- FWPTMM4205 Prepare and advise on a broad range of timber roof truss details using computers
- FWPTMM4206 Prepare and advise on a broad range of timber floor system
- FWPTMM4207 Prepare and advise on a broad range of timber wall frame details using computers.

## Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 19 units of competency:
  - 5 core units plus
  - 14 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 5 units from Group A
- at least 6 units from Group B
- the remaining units from Group A and/or Group B, the total of which may include up to three units recommended for packaging at Certificate IV, Diploma or Advanced Diploma level from this or any other endorsed Training Package or state/territory accredited course.

Elective units must be relevant to work undertaken in the timber truss and frame industry.

### Core Units

BSBCUS501	Manage quality customer service
BSBMGT502	Manage people performance
BSBMGT516	Facilitate continuous improvement
BSBWHS503	Contribute to the systematic management of WHS risk
BSBWOR501	Manage personal work priorities and professional development

### Elective Units

#### Group A

#### Forest

FWPTMM520 2	Develop, trial and evaluate prototypes
FWPTMM520	Generate and transfer complex computer-aided drawings

3	and specifications
FWPTMM520 7	Assess timber product designs for feasibility
FWPTMM520 8	Manage timber product design
FWPTMM520 9	Determine prefabricated timber building systems for compliance, manufacture and installation

### Construction

CPCCSV5011 A	Apply building codes and standards to residential buildings
CPCCSV5012 A	Assess timber-framed designs for one and two storey buildings

### Group B

#### Forest

FWPCOT5203	Manage installation and commissioning of equipment
FWPCOT5204	Organise enterprise maintenance programs
FWPTMM420 2	Diagnose and calculate production costs
FWPTMM520 5	Optimise CNC operations
FWPTMM520 6	Plan production

#### Business

BSBAUD501	Initiate a quality audit
BSBINM501	Manage an information or knowledge management system
BSBLED501	Develop a workplace learning environment

BSBMGT517	Manage operational plan
BSBMKG501	Identify and evaluate marketing opportunities
BSBSUS501	Develop workplace policy and procedures for sustainability

### Construction

CPCCSV5015 A	Assess structural requirements for domestic scale buildings
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### Manufacturing

MSMSUP390	Use structured problem-solving tools
MSS015011	Conduct a sustainability energy audit
MSS402082	Apply cost factors to work practices
MSS404052	Apply statistics to operational processes
MSS405001	Develop competitive systems and practices for an organisation
MSS405004	Develop business plans in an organisation implementing competitive systems and practices
MSS405030	Optimise cost of a product or service
MSS405031	Undertake value analysis of product or process costs in terms of customer requirements
MSS405075	Facilitate the development of a new product
MSS405085	Develop a documentation control strategy for an organisation
MSS405086	Develop sustainable energy practices

## Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP50316 Diploma of Timber Truss and Frame Design Release 2	FWP50316 Diploma of Timber Truss and Frame Design 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>