



Australian Government

FWP50316 Diploma of Timber Truss and Frame Design

Release 1

FWP50316 Diploma of Timber Truss and Frame Design

Modification History

Release	Comments
Release 1	This qualification first released with FWP Forest and Wood Products Training Package Release 2.0. It is equivalent to FPI50411 Diploma of Timber Truss and Frame Design (Release 3)

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
CPCCBBC4001A	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 be awarded the FWP50316 Diploma of Timber Truss and Frame Design, competency must be achieved in **nineteen (19)** units of competency.

- **five (5)** core units of competency
- **fourteen (14)** elective units of competency, consisting of:
 - 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

Field	Unit Code	Unit Name
Core	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

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Forest	FWPTMM5201	Assess product feasibility of designs
	FWPTMM5202	Develop, trial and evaluate prototypes
	FWPTMM5203	Generate and transfer complex computer-aided drawings and specifications
	FWPTMM5204	Manage product design
Construction	CPCCSV5011A	Apply building codes and standards to residential buildings
	CPCCSV5012A	Assess timber-framed designs for one and two storey

		buildings
GROUP B ELECTIVE UNITS		
Field	Unit Code	Unit Name
Forest	FWPCOT5203	Manage installation and commissioning of equipment
	FWPCOT5204	Organise enterprise maintenance programs
	FWPTMM4202	Diagnose and calculate production costs
	FWPTMM5205	Optimise CNC operations
	FWPTMM5206	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	CPCCSV5015A	Assess structural requirements for domestic scale buildings
Manufacturing	MSS405001A	Develop competitive systems and practices for an organisation
	MSS405004A	Develop business plans in an organisation implementing competitive systems and practices
	MSS402030A	Apply cost factors to work practices
	MSS404052A	Apply statistics to operational processes
	MSS405030A	Optimise cost of a product or service

	MSS405031A	Undertake value analysis of product or process costs in terms of customer requirements
	MSS405062A	Develop a documentation control strategy for an organisation
	MSS015011A	Conduct a sustainability energy audit
	MSS405070A	Develop sustainable energy practices
	MSS405075A	Facilitate the development of a new product
	MSAPMSUP390A	Use structured problem solving tools

Qualification Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWP50316 Diploma of Timber Truss and Frame Design	FPI50411 Diploma of Timber Truss and Frame Design (Release 3)	Updated to meet Standards for Training Packages	Equivalent qualification

Links

Companion Volume Implementation Guide -
<http://www.skillsimpact.com.au/forestry-and-timber/skills-standards-and-qualifications/>