



Australian Government

Department of Education, Employment and Workplace Relations

FPI50410 Diploma of Timber Truss and Frame Design

Release: 1

FPI50410 Diploma of Timber Truss and Frame Design

Modification History

Not Applicable

Description

Not Applicable

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Entry Requirements

The entry requirement for this qualification is the successful achievement of the following units contained in FPI40410 Certificate IV Timber Truss and Frame Design:

FPICOT4202B	Design timber structures
FPITMM4201B	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:

FPITMM4205A	Prepare and advise on a broad range of timber roof truss details using computers
FPITMM4206A	Prepare and advise on a broad range of timber floor system details using computers
FPITMM4207A	Prepare and advise on a broad range of timber wall frame details using computers

or demonstration of equivalent competence

Note: The design unit selected will be determined by the industry sector and type of product being manufactured

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

The following table contains a summary of the employability skills for this qualification. This table should be interpreted in conjunction with the detailed requirements of each unit of competency packaged in this qualification. The outcomes described here are broad industry requirements that may vary depending on the packaging options.

Employability Skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none"> • Document performance • Articulate expected standards of performance • Adjust and communicate strategies to stakeholders • Communicate opportunities for improvement
Teamwork	<ul style="list-style-type: none"> • Manage team performance • Counsel individuals who continue to perform below expectations • Involve stakeholders and operational staff in risk management processes
Problem-solving	<ul style="list-style-type: none"> • Make decisions to overcome problems • Deal with complex and non-routine difficulties • Identify potential factors impacting on the effectiveness of

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY	
	controls
Initiative and enterprise	<ul style="list-style-type: none"> • Develop strategies to manage organisational systems • Develop, procure and use resources effectively • Identify factors contributing to risk
Planning and organising	<ul style="list-style-type: none"> • Develop work plans • Consider areas identified for further improvement when undertaking planning • Ensure plans achieve agreed specifications
Self-management	<ul style="list-style-type: none"> • Manage own performance and development • Measure and maintain personal performance in varying work conditions • Maintain appropriate work-life balance
Learning	<ul style="list-style-type: none"> • Provide on the job coaching to improve performance • Monitor and coach individuals with poor performance • Lead and manage continuous improvement systems • Conduct formal and informal research
Technology	<ul style="list-style-type: none"> • Source tools to assist in analysing potential hazards • Use technology efficiently and effectively to manage work priorities and commitments

Packaging Rules

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Total number of units = 19

- 5 Core Units *plus*
- 5 Elective units from Group A *plus*
- 6 Elective units from Group B *plus*
- 3 Elective units from Group A or B or up to 3 relevant units may be selected from units recommended for packaging at Certificate IV, Diploma or Advanced Diploma in any endorsed Training Package or State/Territory accredited course

CORE UNITS

Field	Unit Code	Unit Name
Business	BSBCUS501B	Manage quality customer service
	BSBMGT502B	Manage people performance
	BSBMGT516B	Facilitate continuous improvement

CORE UNITS

BSBOHS504B	Apply principles of OHS risk management
BSBWOR501B	Manage personal work priorities and professional development

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Forest	FPITMM5201B	Assess product feasibility of designs
	FPITMM5202B	Develop, trial and evaluate prototypes
	FPITMM5203B	Generate and transfer complex computer-aided drawings and specifications
	FPITMM5204B	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	FPICOT5203B	Manage installation and commissioning of equipment
	FPICOT5204B	Organise enterprise maintenance programs
	FPITMM4202B	Diagnose and calculate production costs
	FPITMM5205B	Optimise CNC operations
	FPITMM5206B	Plan production
Business	BSBAUD501B	Initiate a quality audit
	BSBINM501A	Manage an information or knowledge management system
	BSBLED501A	Develop a workplace learning environment
	BSBMGT515A	Manage operational plan
	BSBMKG501B	Identify and evaluate marketing opportunities

CORE UNITS

	BSBSUS501A	Develop workplace policy and procedures for sustainability
Construction	CPCCSV5015A	Assess structural requirements for domestic scale buildings
Manufacturing	MSACMS600A	Develop a competitive manufacturing system
	MSACMS603A	Develop manufacturing related business plans
	MSACMT230A	Apply cost factors to work practices
	MSACMT452A	Apply statistics to processes in manufacturing
	MSACMT630A	Optimise cost of product
	MSACMT631A	Undertake value analysis of product costs in terms of customer requirements
	MSACMT662A	Develop a documentation control strategy for a manufacturing enterprise
	MSACMT670A	Develop and manage sustainable energy practices
	MSACMT675A	Facilitate the development of a new product
	MSAPMSUP390A	Use structured problem solving tools