



Australian Government

Department of Education, Employment and Workplace Relations

FPI30911 Certificate III in Timber Truss and Frame Design and Manufacture

Release: 1

FPI30911 Certificate III in Certificate III Timber Truss and Frame Design and Manufacture

Modification History

Qualification code updated to FPI30911 to reflect Training Package update from FPI05 Version 3 to FPI11 Version 1.

There are no changes to the qualification content.

Description

Qualification Notes

Specialised Job Roles

RTO please note: Insert specialisation (job role) on certificate only if the industry recommended electives listed below are achieved

Industry strongly recommends the selection of particular electives to meet different job roles

Designer

Recommended electives for those working in design are:

- 1 unit from Group A plus
- 5 units from Group A or B plus
- 2 units from Group A, B or C or up to 2 relevant units may be selected from units recommended for packaging at Certificate II, Certificate III or Certificate IV in any endorsed Training Package or State/Territory accredited course

Production fabricator

Recommended electives for those working in production are:

- 6 units from Group A, B or C plus
- 2 units from Group A, B or C or up to 2 relevant units may be selected from units recommended for packaging at Certificate II, Certificate III or Certificate IV in any endorsed Training Package or State/Territory accredited course

Pathways Information

Pathways advice

There is an entry requirement into FPI40410 Certificate IV in Timber Truss and Frame Design. For those seeking a pathway to this qualification, recommended elective units are:

FPICOT3204B	Prepare and interpret sketches and drawings
FPICOT3214B	Take off material quantities
FPICOT3218B	Quote and interpret from manufactured timber product plans
FPICOT3220B	Quote and interpret from computerised timber manufactured product plans
FPICOT3239B	Create drawings using computer aided design systems

Licensing/Regulatory Information

Native FPI units may be subject to state or territory licensing, legislative, regulatory or certification requirements.

Some imported units in the elective bank may be subject to state or territory codes, regulations, licences and/or permits. 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.

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"> • Communicate with management • Gather, convey and receive information • Convey instructions accurately • Establish and maintain communication with others
Teamwork	<ul style="list-style-type: none"> • Contribute to the effectiveness of the work team • Participate in and facilitate the work team • Make constructive contributions to the work team
Problem-solving	<ul style="list-style-type: none"> • Solve routine problems • Detect, assess and report hazards in the work area • Review and report factors affecting the achievement of work tasks to appropriate personnel
Initiative and enterprise	<ul style="list-style-type: none"> • Select equipment appropriate to work task • Grade materials to best 'end use' • Identify and assess organisational environmental goals
Planning and organising	<ul style="list-style-type: none"> • Plan potential of materials to provide the highest value added return • Plan product recovery to optimise resource value and minimise waste • Prepare products for despatch
Self-management	<ul style="list-style-type: none"> • Utilise own contribution to the work team • Check own role and responsibilities with appropriate personnel • Identify and prioritise work tasks within designated timeframes
Learning	<ul style="list-style-type: none"> • Identify opportunities for professional development • Actively seek feedback on performance • Seek appropriate support to assist and improve own performance
Technology	<ul style="list-style-type: none"> • Use relevant equipment • Maintain and adjust machinery and equipment

Packaging Rules

Total number of units = 13

- 5 core units plus
 - 8 Elective units, with at least 6 from the list below. Up to 2 relevant units may be selected from 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 design sector of the industry

CORE UNITS

Field	Unit Code	Unit Name
Core	FPICOR2201B	Work effectively in the forest and forest products industry
	FPICOR2202B	Communicate and interact effectively in the workplace
	FPICOR3201B	Implement safety, health and environment policies and procedures
	FPICOR3202B	Conduct quality and product care procedures
	BSBFLM312C	Contribute to team effectiveness

GROUP A ELECTIVE UNITS

Field	Unit Code	Unit Name
Specialist Design units. (one unit from this group must be selected to peruse a design pathway at Cert IV)	FPITMM3204A	Interpret designs to prepare timber roof truss drawings and documents using computers
	FPITMM3205A	Interpret designs to prepare timber floor system drawings and documents using computers
	FPITMM3206A	Interpret designs to prepare timber wall frame drawings and documents using computers

GROUP B ELECTIVE UNITS

Field	Unit Code	Unit Name
Forest	FPICOT3204B	Prepare and interpret sketches and drawings
	FPICOT3214B	Take off material quantities

	FPICOT3218B	Quote and interpret from manufactured timber product plans
	FPICOT3220B	Quote and interpret from computerised timber manufactured product plans
	FPICOT3239B	Create drawings using computer aided design systems
	FPICOT4202B	Design timber structures
Construction	CPCCBC4001A	Apply building codes and standards to the construction process for low rise building projects

GROUP C ELECTIVE UNITS

Field	Unit Code	Unit Name
Forest	FPICOR3204B	Visually assess materials
	FPICOT2235A	Assess timber for manufacturing potential
	FPICOT3234B	Cut material using CNC sizing machines
	FPICOT3235B	Machine material using CNC machining and processing centres
	FPICOT3236B	Coordinate stock control procedures
	FPICOT3241B	Assemble timber wall frames
	FPICOT3242B	Lay up timber roof trusses
	FPICOT3243B	Operate a truss press
	FPICOT4203B	Plan and coordinate product assembly
	FPICOT4204B	Schedule and coordinate load shifting
	FPITMM2203A	Read and interpret timber truss, floor and/or frame fabrication plans
	FPITMM3207A	Set up timber floor trusses

Business	BSBCUS301A	Deliver and monitor a service to customers
	BSBCUS402A	Address customer needs
	BSBFLM305C	Support operational plan
	BSBINM301A	Organise workplace information
Construction	CPCCBC4014A	Prepare simple building sketches and drawings
	CPCCCM1005A	Carry out measurements and calculations
Health and Safety	HLTFA301C	Apply first aid
	HLTFA402C	Apply advanced first aid (unit has HLTFA301C Apply first aid as a pre-requisite)
Manufacturing	MSACMS200A	Apply competitive manufacturing practices
	MSACMT432A	Analyse manual handling processes
	MSACMT451A	Mistake proof a production process
	MSAPMSUP390A	Use structured problem solving tools
Training	TAEDEL301A	Provide work skill instruction
Transport	TLIA3018A	Organise despatch operations