



Australian Government

CPC31712 Certificate III in Post-Tensioning

Release: 2

CPC31712 Certificate III in Post-Tensioning

Modification History

Version Comment

- 1 This version first released with CPC08 Version 8.
- 2 Update superseded imported units from elective list with equivalent current unit for:
 - RIICFW302A to RIICFW302D
 - RIIOHS202A to RIIWHS202DThis version released with CPC08 Version 9.3.

Description

This qualification provides a trade outcome in post-tensioning in the construction industry.

Occupational titles may include:

- post-tensioner.

The qualification has core unit of competency requirements that cover common skills for the construction industry, as well as a specialist field of work.

The construction industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

Pathways Information

Refer to CPSISC website for career and pathway information:

<http://www.cpsisc.com.au/career>

Licensing/Regulatory Information

Check with relevant state and territory licensing and regulatory authorities.

Entry Requirements

Not applicable.

Employability Skills Summary

Employability skill	Industry/enterprise requirements for this qualification
Communication	<ul style="list-style-type: none"> • communicates with clients, colleagues and others using effective and appropriate communication techniques, including: <ul style="list-style-type: none"> • clear and direct communication • active listening • verbal and non-verbal language • questioning to identify and confirm requirements • language and concepts appropriate to cultural differences • follows instructions from supervisor and other relevant persons • understands, interprets and applies information as required from: <ul style="list-style-type: none"> • regulatory, legislative, licensing and organisational requirements • environmental and OHS requirements, including material safety data sheets (MSDS) • codes and standards • plans, drawings and specifications • schedules • load tables, including calibration certificates • safety signs and symbols • organisational policies and procedures • understands relevant definitions, terminology, symbols, abbreviations and language • records relevant information using standard workplace documentation • applies measurements and calculations using appropriate equipment, formulas and records as required • records and reports hazards and risks
Teamwork	<ul style="list-style-type: none"> • works as part of a team • provides assistance and encouragement to other team members • initiates and encourages improvements in team performance • identifies and uses the strengths of other team members • relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities • coordinates and actions tasks • participates in on-site meetings
Problem solving	<ul style="list-style-type: none"> • examines tools and equipment prior to use for damage, missing components or other defects • identifies typical faults and problems and takes remedial action and/or

Employability skill	Industry/enterprise requirements for this qualification
	<ul style="list-style-type: none"> reports to supervisor • rectifies simple faults with tools and equipment • investigates and resolves discrepancies in coding, numbering and materials
Initiative and enterprise	<ul style="list-style-type: none"> • identifies opportunities to improve resource efficiency and makes suggestions as appropriate • responds to change and workplace challenges • puts ideas into action • maximises use of resources by recycling, re-using or using appropriate disposal methods
Planning and organising	<ul style="list-style-type: none"> • identifies hazards and implements appropriate hazard control measures • identifies and manages risks • carries out site inspection to identify requirements • selects and uses appropriate materials, cutting methods, tools and equipment • determines material quantity requirements • prioritises and sequences tasks • applies time-management skills to ensure work is completed to time requirements
Self-management	<ul style="list-style-type: none"> • evaluates own actions and makes judgements about performance and necessary improvements • contributes to workplace responsibilities, such as current work site environmental/sustainability frameworks and management systems • manages own performance to meet workplace standards • seeks support to improve work performance • cleans up work area, including tools and equipment
Learning	<ul style="list-style-type: none"> • identifies own learning needs and seeks skill development as required • is open to learning new ideas and techniques
Technology	<ul style="list-style-type: none"> • uses calculators • uses and operates a range of tools and equipment correctly and safely • carries out pre- and post-operational checks on equipment and

Employability skill	Industry/enterprise requirements for this qualification
	machines <ul style="list-style-type: none"> • performs tool and equipment maintenance as required

Packaging Rules

To achieve this qualification, the candidate must demonstrate competency in:

- 17 units of competency:
 - 12 core units
 - 5 elective units.

The elective units must ensure the integrity of the AQF alignment and contribute to a valid, industry-supported vocational outcome and are to be chosen as follows:

- 5 units from the elective units listed below
- 1 of the units may be chosen from other Certificate III qualifications in CPC08 or another current Training Package or accredited course.

Some units in this qualification may have prerequisite requirements, which must be met when packaging the qualification. Users are referred to the list of CPC08 units with prerequisite unit requirements available in this Training Package for this purpose.

Core units

CPCCCM1012A	Work effectively and sustainably in the construction industry
CPCCCM1014A	Conduct workplace communication
CPCCCM1015A	Carry out measurements and calculations
CPCCCM2001A	Read and interpret plans and specifications
CPCCCM2004A	Handle construction materials
CPCCCM2005B	Use construction tools and equipment
CPCCCM2010B	Work safely at heights
CPCCOHS2001A	Apply OHS requirements, policies and procedures in the construction industry
CPCCSF2002A	Use steelfixing tools and equipment
CPCCSF3002A	Carry out monostrand post-tensioning
CPCCSF3003A	Carry out multistrand post-tensioning
CPCCSF3004A	Carry out stressbar post-tensioning

Elective units

CPCCCO3026A	Carry out repair and rectification of concrete
CPCCCM2008B	Erect and dismantle restricted height scaffolding
CPCCCM3001C	Operate elevated work platforms
CPCCCO2014A	Carry out concrete work
CPCCSF2005A	Arc weld reinforcement steel
CPCCSF2007A	Splice and anchor using mechanical methods
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM4011A	Carry out work-based risk control processes
RIICFW302D	Install temporary and permanent rock anchors
RIIWHS202D	Enter and work in confined spaces

Custom Content Section

Not applicable.