Australian Government

CPC40120 Certificate IV in Building and Construction

Release: 8

CPC40120 Certificate IV in Building and Construction

Modification History

Release 8 Updated reference to general construction induction training program.

Release 7 This version first released with CPC Construction, Plumbing and Services Training Package Release 9.0.

Addition of unit CPCPRE4001 Inspect the erection of prefabricated concrete elements to the elective group.

Release 6 This version first released with CPC Construction, Plumbing and Services Training Package Release 8.0.

Unit BSBPMG426 Apply project risk management techniques added to metadata.

Release 5 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.6.

Unit CPCCBC4052 Lead and manage teams in the building and construction industry added to metadata.

Release 4 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.2.

Imported Elective unit BSBWOR501 Manage personal work priorities and professional development updated to BSBPEF501 Manage personal and professional development.

Release 3 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.1.

Addition of 3 units of competency to the General Electives:

- CPCBIM4001 Plan to comply with BIM requirements for construction work.
- CPCBIM4002 Use BIM processes to carry out construction work
- CPCBIM4003 Contribute to BIM deliverables for construction work

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Imported unit *BSBPEF501 Manage personal and professional development* replaced by *BSBWOR501 Manage personal work priorities and professional development.* Units listed alphanumerically.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

- Supersedes and is equivalent to CPC40110 Certificate IV in Building and Construction (Building).

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- Supersedes and is equivalent to CPC40508 Certificate IV in Building and Construction (Site Management).

Updated imported elective units to current versions.

Qualification Description

This qualification reflects the role of builders, site managers and managers of small to medium-sized building businesses who apply knowledge of structural principles, codes, standards and legal requirements to Class 1 and 10, to a maximum of two storeys and Class 2 to 9 Type C constructions, and who plan and supervise safe building and construction work, prepare and administer contracts, and who apply quality principles to building and construction projects.

Building relates to construction and Site Management is about managing the factors around construction, such as the deployment of crews with specialised skills (including builders), product compliance, deployment of contract specialised skills, weather and site location.

Occupational titles depending on packaging options selected may include:

- Builder
- Construction Supervisor
- Site Manager
- Site Supervisor
- Leading Hand

The qualification is designed to enable two specialised occupational outcome pathways depending on elective options which will be reflected as:

- Certificate IV in Building and Construction (Building) or
- Certificate IV in Building and Construction (Site Management)

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit CPCWHS1001 *Prepare to work safely in the construction industry* meets this requirement.

Builder and Site Supervisor licensing varies across States and Territories and requirements additional to the attainment of this qualification may be required.

Entry Requirements

There are no entry requirements for this qualification.

Packaging Rules

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

- 19 units of competency:
  - 11 core units

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- 8 elective units.

To achieve the occupational outcome of **Builder** electives must include:

- All Group A elective units
- Up to two elective units from either Group B or general electives.
- One elective unit may be from any training package or accredited course as long as it ensures the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contributes to a valid, industry supported vocational outcome

To achieve the occupation outcome of **Site Manager** electives must include:

- All Group B electives
- Up to four elective units from either Group A or general electives.
- One unit may be from any training package or accredited course as long as it ensures the integrity of the qualification's Australian Qualification Framework (AQF) alignment and contributes to a valid, industry supported vocational outcome

Prerequisite units

An asterisk (*) next to the unit code indicates that there are prerequisite requirements which must be met when packaging the qualification. Please refer to the Prerequisite requirements table for details.

Prerequisite requirements

Unit of competency	Prerequisite requirement
CPCCBC4010 Apply structural principles to residential and commercial constructions.	CPCCBC4053 Apply building codes and standards to the construction process for Class 2 to 9 Type C buildings. CPCCBC4001 Apply building codes and standards to the construction process for Class 1 and 10 buildings.

Core Units

CPCCBC4001	Apply building codes and standards to the construction process for Class 1 and 10 Buildings
CPCCBC4002	Manage work health and safety in the building and construction workplace
CPCCBC4007	Plan building and construction work
CPCCBC4008	Supervise site communication and administration processes for building and construction projects

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CPCCBC4009	Apply legal requirements to building and construction projects
CPCCBC4010*	Apply structural principles to residential and commercial constructions
CPCCBC4012	Read and interpret plans and specifications
CPCCBC4014	Prepare simple building sketches and drawings
CPCCBC4018	Apply site surveys and set-out procedures to building and construction projects
CPCCBC4021	Minimise waste on the building and construction site
CPCCBC4053	Apply building codes and standards to the construction process for Class 2 to 9 Type C Buildings

Elective Units

Group A - Building

BSBPMG422	Apply project quality management techniques
CPCCBC4003	Select, prepare and administer a construction contract
CPCCBC4004	Identify and produce estimated costs for building and construction projects
CPCCBC4005	Produce labour and material schedules for ordering
CPCCBC4006	Select, procure and store construction materials for building and construction projects
CPCSUS4002	Use building science principles to construct energy efficient buildings

Elective Units

Group B – Site Manager

CPCCBC4013	Prepare and evaluate tender documentation
CPCCBC4017	Arrange resources and prepare for the building and construction project
CPCCBC4052	Lead and manage teams in the building and construction industry
CPCCCO4001	Supervise concreting work

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General Electives

BSBESB402	Establish legal and risk management requirements of new business ventures
BSBESB406	Establish operational strategies and procedures for new business ventures
BSBESB407	Manage finances for new business ventures
BSBLDR413	Lead effective workplace relationships
BSBPEF501	Manage personal and professional development
BSBPMG426	Apply project risk management techniques
BSBPMG430	Undertake project work
BSBWRT411	Write complex documents
CPCBIM4001	Plan to comply with BIM requirements for construction work
CPCBIM4002	Use BIM processes to carry out construction work
CPCBIM4003	Contribute to BIM deliverables for construction work
CPCCBC4015	Prepare specifications for all construction works
CPCCBC4019	Apply sustainable building design principles to water management systems
CPCCBC4020	Build thermally efficient and sustainable structures
CPCCBC4022	Supervise tilt-up work
CPCCBC4024	Resolve business disputes
CPCCBC4026	Arrange building applications and approvals
CPCCBC4028	Prepare design brief for construction works
CPCCBC5019	Manage building and construction business finances
CPCPRE4001	Inspect the erection of prefabricated concrete elements
CPCSUS4001	Implement and monitor environmentally sustainable work practices
CPCSUS4003	Maximise energy efficiency through applied trade skills

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Qualification Mapping Information

CPC Construction, Plumbing and Services Training Package Release 5.0	CPC08 Construction, Plumbing and Services Training Package	Comments	E/NE
CPC40120 Certificate IV in Building and Construction	CPC40110 Certificate IV in Building and Construction (Building)	Supersedes and is equivalent to CPC40110 Certificate IV in Building and Construction (Building). Increase in total number of units for qualification outcome. Changes to core and elective units and packaging rules. Changed terminology of qualification occupational titles and outcome from building to builder. Updated imported elective units to current versions.	E
CPC40120 Certificate IV in Building and Construction	CPC40508 Certificate IV in Building and Construction (Site Management)	Supersedes and is equivalent to CPC40508 Certificate IV in Building and Construction (Site Management). Increase in total number of units for qualification outcome. Changes to core and elective units and packaging rules. Changed terminology of qualification occupational titles and outcome from site management to site manager. Updated imported elective units to current versions.	E

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Links

Companion volumes to this training package are available at the VETNet website - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

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