



Australian Government

Department of Education, Employment and Workplace Relations

CPC50210 Diploma of Building and Construction (Building)

Release: 2

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Modification History

One new CPC08 unit added to the list of elective units:

- CCCCBC5014A Conduct asbestos assessment associated with removal.

CPCCOHS1001A Work safely in the construction industry also added to the elective bank given its prerequisite status in that unit.

Description

This qualification is designed to meet the needs of builders, including selecting contractors, overseeing the work and its quality, and liaising with clients.

The builder may also be the appropriately licensed person with responsibility under the relevant building licensing authority in the State or Territory. Builder licensing varies across States and Territories and additional requirements to attainment of this qualification may be required.

Occupational titles may include:

- Builder.

The qualification has core unit of competency requirements that cover common skills for the construction industry.

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 included 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.

Additional units of competency may be required to meet builder registration requirements in various States and Territories.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Occupational licenses are required nationally.
Refer to Description

Entry Requirements

Not Applicable

Employability Skills Summary

Employability skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none">Analyses, evaluates and interprets a range of complex and technical documents, including relevant regulatory, legislative, licensing requirements, codes and standards, plans, drawings and specifications, contracts, reports, reference materials, building approvals, awards and workplace agreementsMaintains and reports records and informationUnderstands relevant definitions, terminology, symbols and languageCommunicates effectively with a range of relevant parties and provides expert testimonyEstablishes site communication proceduresPrepares complex business documents, including project expenditure schedules and reports, such as technical and legal reports, drawings and project briefsAdvises others regarding their obligations as well as company proceduresNegotiates dispute resolutionSketches service layoutsImplements feedback systems
Teamwork	<ul style="list-style-type: none">Demonstrates leadership within work teams and business unitsCollaboratively and effectively develops and implements operational plansSupervises work processes and systems, and delegates to others as requiredWorks with others to overcome problems and achieve outcomesEstablishes and maintains effective working relationshipsSeeks advice from senior management as requiredWorks collaboratively with relevant stakeholdersRelates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities
Problem solving	<ul style="list-style-type: none">Analyses construction, environmental management, and energy conservation problems and applies appropriate and compliant remedial solutionsAssesses structural integrity of medium rise

- buildings
- Ensures processes that identify faults and required remedial action
 - Develops strategies to address project delays
 - Performs various complex calculations relating to cost-benefit analysis, rise and fall amounts, pessimistic overdraft requirements, statistical analysis, costs, set out of construction work, structural analysis and service installations
 - Analyses reasons for cost variations and takes remedial action
 - Establishes and implements dispute resolution procedures
 - Maintains site safety and manages risks
 - Provides advice on dispute resolution
 - Uses and analyses data in decision making
- Initiative and enterprise
- Develops and initiates strategies to use resources effectively
 - Ensures effective systems' development
 - Implements effective project quality management and continuous improvement processes
 - Recommends improvements to environmental management and energy conservation plans
 - Develops strategies that maximise resource effectiveness
 - Develops and reviews workplace sustainability policy
- Planning and organising
- Supervises planning processes and organisation of on-site building or construction work projects, including instituting procedures and systems
 - Develops sound and safe practices in relation to structural procedures on site
 - Coordinates and manages construction and demolition processes
 - Monitors building or construction costing systems
 - Manages preparation of project expenditure schedules
 - Supervises materials' procurement systems
 - Manages selection, engagement and performance of building and construction contractors
 - Administers legal obligations of building or construction contracts
 - Establishes construction work policies, practices and procedures

Self management	<ul style="list-style-type: none">• Prepares and implements environmental management and energy conservation plans, including workplace sustainability policy• Advises and coordinates design process and obtains planning approval• Manages own performance to ensure required levels of service standards, work quality and professional competence• Manages work priorities and professional development• Uses feedback to improve own performance• Takes responsibility as required by the work role• Uses discretion and judgement when required in complex environments• Deals with contingencies
Learning	<ul style="list-style-type: none">• Is open to new ideas and techniques• Seeks feedback on personal performance• Uses information effectively to improve work performance• Learns from colleagues as part of effective teamwork• Manages induction and pre-engagement training processes
Technology	<ul style="list-style-type: none">• Operates office equipment• Uses computer equipment and relevant software• Understands building construction materials and technologies• Understands construction equipment and its use• Operates and tests levelling equipment• Uses technology to improve efficiency and effectiveness of managing work

Packaging Rules

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

- 18 units of competency:
 - 13 core units
 - 5 elective units.

The elective units may be selected from Groups A and B below as follows:

- a minimum of three elective units must be selected from Group A units below
- one of the five elective units may be selected from another endorsed Training Package or CPC08 Construction, Plumbing and Services Training Package, provided that the industry context of the qualification is maintained and that the unit is at Diploma level
- two of the five elective units may be selected from any Certificate IV in CPC08
- one of the five elective units may be selected from any Advanced Diploma in CPC08.

Core units of competency

Unit code	Unit title
CPCCBBC4001A	Apply building codes and standards to the construction process for low rise building projects
CPCCBBC4003A	Select and prepare a construction contract
CPCCBBC4004A	Identify and produce estimated costs for building and construction projects
CPCCBBC4010B	Apply structural principles to residential low rise constructions
CPCCBBC4013A	Prepare and evaluate tender documentation
CPCCBBC5001B	Apply building codes and standards to the construction process for medium rise building projects
CPCCBBC5002A	Monitor costing systems on medium rise building and construction projects
CPCCBBC5003A	Supervise the planning of on-site medium rise building or construction work
CPCCBBC5010B	Manage construction work
CPCCBBC5018A	Apply structural principles to the construction of medium rise buildings
BSBOHS504B	Apply principles of OHS risk management
BSBPMG505A	Manage project quality
BSBPMG508A	Manage project risk

Elective units of competency

Elective units – Group A

Unit code	Unit title
CPCCCBC5004A	Supervise and apply quality standards to the selection of building and construction materials
CPCCCBC5005A	Select and manage building and construction contractors
CPCCCBC5006B	Apply site surveys and set-out procedures to medium rise building projects
CPCCCBC5007A	Administer the legal obligations of a building or construction contract
CPCCCBC5009A	Identify services layout and connection methods to medium rise construction projects
CPCCCBC5011A	Manage environmental management practices and processes in building and construction
CPCCCBC5012A	Manage the application and monitoring of energy conservation and management practices and processes
CPCCCBC5013A	Develop professional technical and legal reports on building and construction projects
CPCSUS5001A	Develop workplace policies and procedures for sustainability

Elective units – Group B

Unit code	Unit title
CPCCCBC4005A	Produce labour and material schedules for ordering
CPCCCBC4006B	Select, procure and store construction materials for low rise projects
CPCCCBC4009B	Apply legal requirements to building and construction projects
CPCCCBC4011B	Apply structural principles to commercial low rise constructions

CPCCCBC4012A	Read and interpret plans and specifications
CPCCCBC4014A	Prepare simple building sketches and drawings
CPCCCBC4018A	Apply site surveys and set-out procedures to building and construction projects
CPCCCBC4024A	Resolve business disputes
CPCCCBC5004A	Supervise and apply quality standards to the selection of building and construction materials
CPCCCBC5005A	Select and manage building and construction contractors
CPCCCBC5006B	Apply site surveys and set-out procedures to medium rise building projects
CPCCCBC5007A	Administer the legal obligations of a building or construction contract
CPCCCBC5009A	Identify services layout and connection methods to medium rise construction projects
CPCCCBC5011A	Manage environmental management practices and processes in building and construction
CPCCCBC5012A	Manage the application and monitoring of energy conservation and management practices and processes
CPCCCBC5013A	Develop professional technical and legal reports on building and construction projects
CPCCCBC5014A	Conduct asbestos assessment associated with removal
CPCCOHS1001A	Work safely in the construction industry
BSBCUS501B	Manage quality customer service
BSBFIM501A	Manage budgets and financial plans
BSBHRM509A	Manage rehabilitation or return to work programs
BSBINN502A	Build and sustain an innovative work environment
BSBITA401A	Design databases
BSBITU402A	Develop and use complex spreadsheets
BSBITU404A	Produce complex desktop published documents

BSBLED502A	Manage programs that promote personal effectiveness
BSBMGT502B	Manage people performance
BSBMGT515A	Manage operational plan
BSBRSK501A	Manage risk
BSBSLS502A	Lead and manage a sales team
BSBWOR501B	Manage personal work priorities and professional development
BSBWOR502B	Ensure team effectiveness
CPPDSM5022A	Implement asset management plan