



Australian Government

CPC50210 Diploma of Building and Construction (Building)

Release 4

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Modification History

Revised qualification deemed equivalent to CPC50210

- two new sustainability elective units added:
 - CPC50210/5002A Develop action plans to retrofit existing buildings for energy efficiency
 - CPC50210/5003A Manage energy efficient building methods and strategies
- minor editorial changes to elective packaging rules, without changing intent

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 title 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**
- 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 agreements
 - Maintains and reports records and information
 - Understands relevant definitions, terminology, symbols and language
 - Communicates effectively with a range of relevant parties and provides expert testimony
 - Establishes site communication procedures
 - Prepares complex business documents, including project expenditure schedules and reports, such as technical and legal reports, drawings and project briefs
 - Advises others regarding their obligations as well as company procedures
 - Negotiates dispute resolution
 - Sketches service layouts
 - Implements feedback systems
- Teamwork**
- Demonstrates leadership within work teams and business units
 - Collaboratively and effectively develops and implements operational plans
 - Supervises work processes and systems, and delegates to others as required
 - Works with others to overcome problems and achieve outcomes
 - Establishes and maintains effective working relationships
 - Seeks advice from senior management as required
 - Works collaboratively with relevant stakeholders
 - Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities
- Problem solving**
- Analyses construction, environmental management, and energy conservation problems and applies appropriate and compliant remedial solutions
 - Assesses 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
- Prepares and implements environmental management and energy conservation plans, including workplace sustainability policy
- Advises and coordinates design process and obtains planning approval

Self management

- 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

- 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

- 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 must be selected as follows:

- a minimum of 3 elective units must be from Group A units below
- a maximum of 2 further elective units may be from Group B units below
- 1 elective unit may be from Diploma level in from CPC08 or another endorsed Training Package, provided that the industry context of the qualification is maintained
- 2 elective units may be from any Certificate IV in CPC08
- 1 elective unit may be from any Advanced Diploma in CPC08.

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

BSBOHS504B	Apply principles of OHS risk management
BSBPMG505A	Manage project quality
BSBPMG508A	Manage project risk
CPCCCBC4001A	Apply building codes and standards to the construction process for low rise building projects
CPCCCBC4003A	Select and prepare a construction contract
CPCCCBC4004A	Identify and produce estimated costs for building and construction projects
CPCCCBC4010B	Apply structural principles to residential low rise constructions
CPCCCBC4013A	Prepare and evaluate tender documentation
CPCCCBC5001B	Apply building codes and standards to the construction process for medium rise building projects
CPCCCBC5002A	Monitor costing systems on medium rise building and construction projects
CPCCCBC5003A	Supervise the planning of on-site medium rise building or construction work
CPCCCBC5010B	Manage construction work
CPCCCBC5018A	Apply structural principles to the construction of medium rise buildings

Elective units – Group A

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
CPCCCBC5007B	Administer the legal obligations of a building or construction contractor

CPCBC5009A	Identify services layout and connection methods to medium rise construction projects
CPCBC5011A	Manage environmental management practices and processes in building and construction
CPCBC5012A	Manage the application and monitoring of energy conservation and management practices and processes
CPCBC5013A	Develop professional technical and legal reports on building and construction projects
CPCSUS5001A	Develop workplace policies and procedures for sustainability
CPCSUS5002A	Develop action plans to retrofit existing buildings for energy efficiency
CPCSUS5003A	Manage energy efficient building methods and strategies

Elective units – Group B

BSBCUS501C	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
BSBRISK501B	Manage risk
BSBSLS502A	Lead and manage a sales team
BSBWOR501B	Manage personal work priorities and professional development
BSBWOR502B	Ensure team effectiveness
CPCCBC4005A	Produce labour and material schedules for ordering
CPCCBC4006B	Select, procure and store construction materials for low rise projects
CPCCBC4009B	Apply legal requirements to building and construction projects
CPCCBC4011B	Apply structural principles to commercial low rise constructions
CPCCBC4012B	Read and interpret plans and specifications
CPCCBC4014A	Prepare simple building sketches and drawings
CPCCBC4018A	Apply site surveys and set-out procedures to building and construction projects
CPCCBC4024A	Resolve business disputes
CPCCBC5004A	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
CPCCCBC5007B	Administer the legal obligations of a building or construction contractor
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
CPPDSM5022A	Implement asset management plan