18736 – Diploma in Building Surveying

Unit of Competency Descriptors

CPCCSV5001A – Assess the construction of domestic scale buildings

This unit specifies the competency required to cover the construction of domestic scale buildings and those of a similar loading, construction and size such as small industrial, commercial or public buildings.

It includes evaluation and identification of appropriate construction methods, identification of required standards and services according to and with relevant legislation, design and maintenance specifications.

CPCCSV5002A – Evaluate materials for construction of domestic scale buildings

This unit specifies the competency required to evaluate and select materials for domestic scale buildings.

This unit relates to a range of building materials including concrete, glass, timber, plastic and plasterboard in accordance with the Building Code of Australia (BCA).

CPCCSV5003A – Produce working drawings for residential buildings

This unit specifies the competency required to read and interpret plans/specifications and to undertake basic architectural drafting of conventional residential structures.

It includes the production of two and three dimensional drawings in accordance with standard industry drawing practice and to a level suitable for building permit approval.

CPCCSV5004A – Apply legislation to urban development and building controls

This unit specifies the competency required to research, interpret and apply appropriate land use and urban development to any conventional building project in compliance with relevant legislation and the Building Code of Australia (BCA).
CPCCSV5005A – Apply footing and geomechanical design principles to domestic scale buildings

This unit specifies the competency required to apply footing and geomechanical design principles to domestic scale buildings or those of a similar loading, construction and size such as small industrial, commercial or public buildings.

It includes the evaluation and distribution of soil types, identification of appropriate footing systems and maintenance requirements for foundation components of the project.

CPCCSV5006A – Assess construction faults in residential buildings

This unit specifies the competency required to identify construction faults in residential buildings.

It includes the identification and evaluation of construction problems and determination of alternate methods in accordance with legislative requirements.

CPCCSV5007A – Undertake site surveys and set out procedures to building projects

This unit specifies the competency required to undertake site surveys and set out procedures on civil and residential building projects.

It includes the use of basic measuring and levelling equipment, the recording and interpretation of data, the evaluation of and compliance with relevant legislation.

CPCCSV5008A – Apply building control legislation to building surveying

This unit specifies the competency required to research, interpret and apply building control legislation for use in building surveying activities relating to domestic scale buildings and structures.

It includes the evaluation of the Australian common law system and the various sources of law applicable to building surveying activities and the identification and application of the professional code of ethics required for the assessment and inspection of buildings.
**CPCCSV5009A – Assess the impact of fire on building materials**

This unit specifies the competency required to assess the impact of fire on building materials.

It includes the research, analysis and reporting of testing conducted on a range of building materials and structures in differing circumstances to determine combustion, flammability, heat transfer, burning conditions, building material behaviour, fire loads of buildings and fire resistance.

**CPCCSV5010A – Interact with clients in a regulated environment**

This unit specifies the competency required to initiate and undertake consultation with individuals and groups in regard to building surveying practices.

It includes the identification and implementation of appropriate interaction models according to community demographics, cultural considerations, social stratification, analysis and evaluation of data to enable informed decision-making, and the presentation of findings to clients and other appropriate stakeholders.

**CPCCSV5011A – Apply building codes and standards to residential buildings**

This unit specifies the competency required to ensure the building process complies with the Building Code of Australia and relevant Australian Standards.

The unit applies to residential buildings. It includes the evaluation and interpretation of building requirements, classification of buildings according to the Building Code of Australia (BCA) criteria and strategies for compliance.

**CPCCSV5012A – Assess timber framed designs for one and two storey buildings**

This unit specifies the competency required to select structural members for a timber framed domestic building up to and including two (2) storeys.

It includes the evaluation of plans and specifications, selection of structural members for ceiling and roof framing, timber wall frames, timber stumps, floor bearers and joists. It requires compliance with all relevant legislation, Australian Standards and the Building Code of Australia.
CPCCSV5013A – Apply principles of energy efficient design to buildings

This unit specifies the competency required to apply energy efficient design to buildings.

It includes the evaluation of building designs to establish suitable forms of construction and the identification of appropriate energy consumption practices for incorporation into design briefs.

CPCCSV5014A – Apply building surveying procedures to residential buildings

This unit specifies the competency required to assess residential buildings for compliance with building legislation.

It includes the evaluation and interpretation of plans, progressive inspection of building work, preparation of reports and compliance with legislative requirements.

CPCCSV5015A – Assess structural requirements for domestic scale buildings

This unit specifies the competency required to assess the structural requirements of domestic scale buildings and those of a similar loading, construction and size such as small industrial, commercial or public buildings.

It includes the application of design concepts to the selection, positioning and sizing of all structural members and materials that form a building structure.

BSBADM506B – Manage business document design development

This unit covers setting standards for organisational documents and managing document design and production to meet the standards.

BSBITS401A – Manage business technology

This unit covers the skills and knowledge required to maintain the effectiveness of business technology in the workplace. It includes activities such as the maintenance of existing technology and the planning of future technology requirements.
CHCCOM3C – Utilise specialist communication skills

This module relates to the application of specialist workplace communication techniques to build and maintain strong relationships with colleagues and clients. The unit in particular deals with facilitating groups, conducting interviews, negotiating, conflict resolution and preparing reports and other documentation.

CHCCOM4B – Develop, implement and promote effective communication techniques

This unit is about applying higher level communication skills required for effective operation in the workplace.

ICAU1128B – Operate a personal computer

This unit relates to understanding and operating basic computer technology. The unit will deal with identifying/operating basic computer hardware and using system software to manage electronic files.

ICAU1129B – Operate a word processing application

The unit relates to understanding and operating the basics of word processing, associated with creating, formatting and finishing a word processing document ready for distribution. Also, the unit deals with using some of the more advanced features such as creating standard tables, using pictures and images within a document, importing objects and using mail merge tools.

ICAU1130B – Operate a spreadsheet application

This unit relates to understanding and operating the essential features of a spreadsheet software application at a basic level for specific purposes. This unit deals with standard mathematical and logical operations using basic formulas and functions and also being able to use some of the more advanced features of a spreadsheet application such as importing objects and creating graphs and charts.

ICAU1131B – Operate a database application

This unit relates to understanding how to use a database, how to create simple queries, forms and reports of records.

ICAU1133B – Send and retrieve information over the Internet using browsers and email

This unit relates to describing the uses of the Internet, using and navigating the Internet and using a variety of Internet facilities, including the World Wide Web and email.