



**Australian Government**

# **CPP50116 Diploma of Surveying**

**Release: 1**

# CPP50116 Diploma of Surveying

## Modification History

Release 1.

Replaces superseded equivalent CPP50112 Diploma of Surveying.

This version first released with CPP Property Services Training Package Version 3.

## Qualification Description

This qualification reflects the role of skilled surveying technicians. These people hold advanced surveying skills, and perform duties involving the performance of precise measurements and setting out structures using specialised surveying equipment.

Licensing, legislative, regulatory or certification requirements apply in some States where cadastral and mining surveying must be undertaken under the supervision of a registered surveyor. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

This qualification is suitable for an Australian apprenticeship pathway.

## Entry Requirements

There are no entry requirements for this qualification.

## Packaging Rules

To achieve this qualification, competency must be demonstrated in:

- 16 units of competency:
  - 7 core units
  - 9 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:

- all 9 units may be chosen from the elective units listed below
- up to 2 units may be chosen from other Certificate IV, Diploma or Advanced Diploma qualifications in CPP, or another current Training Package or accredited course, provided they do not duplicate the outcome of another unit chosen for the qualification.

**Core units**

CPPSIS5031	Plan spatial data collection
CPPSIS5047	Conduct GNSS surveys
CPPSIS5048	Conduct engineering surveys
CPPSIS5053	Perform advanced surveying computations
CPPSIS5054	Perform geodetic surveying computations
CPPSIS5058	Conduct geodetic surveys
CPPSIS5065	Design basic engineering structures

**Elective units**

AHCLPW404A	Produce maps for land management purposes
BSBPMG522	Undertake project work
CPPCMN4002	Implement and monitor environmentally sustainable work practices
CPPSIS4032	Conduct field surveying operations
CPPSIS4038	Prepare and present GIS data
CPPSIS5032	Capture new spatial data
CPPSIS5037	Maintain spatial data systems
CPPSIS5040	Interpret and collate spatial data
CPPSIS5043	Design spatial data storage systems
CPPSIS5044	Develop subdivision survey designs for local government approval
CPPSIS5046	Set out stormwater systems
CPPSIS5049	Plan and implement surveying projects
CPPSIS5051	Apply land and planning law to surveying
CPPSIS5052	Integrate surveying datasets
CPPSIS5057	Conduct precision surveys
CPPSIS5060	Develop spreadsheets for spatial data
CPPSIS5061	Locate underground services in surveying practice
CPPSIS5064	Coordinate GIS data manipulation and analysis
CPPSIS6021	Conduct open pit mine surveys
CPPSIS6022	Produce mine drawings
CPPSIS6033	Conduct underground mine surveys
PSPLAND302A	Investigate tenure and land use history
PSPLAND308A	Compile and check survey plans

## **Qualification Mapping Information**

CPP50112 Diploma of Surveying

### **Links**

An Implementation Guide to this Training Package is available at the CPSISC website - [http://companion\\_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4](http://companion_volumes.vetnet.education.gov.au/Pages/TrainingPackage.aspx?pid=4)