

QUALIFICATION CODE CPP50120

QUALIFICATION TITLE Diploma of Surveying

QUALIFICATION DESCRIPTION

This qualification reflects the role of skilled surveying technicians who hold advanced surveying skills and perform duties in the field involving the performance of precise measurements and setting out of structures using specialised surveying equipment. In the office they map onsite measurements and draft plans.

Surveying skills are applied in a range of industry contexts, including town planning, civil construction, mining, engineering, agriculture and defence.

Cadastral surveying must be undertaken under the supervision of a registered surveyor. Relevant state and territory regulatory authorities should be consulted to confirm those requirements.

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

This qualification is suitable for an Australian traineeship pathway.

ENTRY REQUIREMENTS

Entry points to undertake the CPP50120 Diploma of Surveying are:

- CPP40216 Certificate IV in Surveying
- or
- CPP41720 Certificate IV in Surveying and Spatial Information Services (Surveying)
- or
- demonstrated relevant vocational experience, skills and knowledge commensurate with the scope of work covered in the CPP41720 Certificate IV in Surveying and Spatial Information Services (Surveying).

PACKAGING RULES

To achieve this qualification, competency must be demonstrated in 16 units of competency consisting of:

- 8 core units
- 8 elective units.

Electives are to be selected as follows:

- 8 units from the electives listed below
- or
- up to 2 of the 8 elective units may be selected from any current training package provided they contribute to a valid, industry-supported vocational outcome, maintain the integrity of the Australian Qualifications Framework (AQF) level of this qualification and do not duplicate the outcome of another unit used to achieve this qualification.

Core Units

CPPSSI5047	Conduct GNSS surveys
CPPSSI5048	Conduct engineering surveys

CPPSSI5053	Perform complex surveying computations
CPPSSI5054	Perform geodetic surveying computations
CPPSSI5057	Conduct precision surveys
CPPSSI5058	Conduct geodetic surveys
CPPSSI5061	Survey subsurface utility information
CPPSSI5065	Design basic engineering structures
Elective Units	
<u>AHCLPW404</u>	Produce maps for land management purposes
BSBPMG430	Undertake project work
CPPSSI5031	Develop a spatial data collection plan
CPPSSI5032	Capture new spatial data
CPPSSI5040	Source, collate and interpret spatial data
CPPSSI5044	Develop subdivision survey designs
CPPSSI5046	Set out roads and stormwater systems
CPPSSI5050	Produce survey drawings
CPPSSI5051	Conduct identification surveys
CPPSSI5052	Integrate surveying datasets
CPPSSI5060	Develop spreadsheets for spatial data
CPPSSI5062	Conduct photogrammetric mapping
CPPSSI5064	Conduct complex spatial data analysis
CPPSSI6021	Conduct open pit mine surveys
CPPSSI6022	Produce mine drawings
CPPSSI6033	Conduct underground mine surveys
CPPSSI6037	Conduct advanced remote sensing analysis
<u>NWPHYS001</u>	Identify and analyse information technology for hydrographic surveys
<u>NWPHYS002</u>	Interpret and analyse science principles for hydrographic surveying
<u>NWPHYS003</u>	Manage and analyse water levels and flows
<u>NWPHYS004</u>	Manage hydrographic surveying projects
<u>NWPHYS005</u>	Use alternate positioning systems to gather data
<u>NWPHYS006</u>	Use remote sensing for hydrographic surveying
<u>NWPHYS007</u>	Use underwater acoustics to map waterways
MEM23004A	Apply technical mathematics
<u>PSPLND002</u>	Compile and check survey plans

QUALIFICATION MAPPING INFORMATION

CPP50220 Diploma of Surveying supersedes and is equivalent to CPP50116 Diploma of Surveying.

LINKS

The Companion Volume Implementation Guide for the CPP Property Services Training Package is available at: <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>.