

QUALIFICATION CODE	CPP41720
QUALIFICATION TITLE	Certificate IV in Surveying and Spatial Information Services

QUALIFICATION DESCRIPTION

This qualification reflects the role of entry-level technicians who work under supervision to assist a surveying or spatial information services team.

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

Survey technicians perform a range of duties using surveying tools and equipment, including total stations and global navigation satellite systems (GNSS), supported by data management skills.

Spatial information services technicians perform a range of duties using geospatial technologies and specialised software, supported by data management skills.

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

There are no entry requirements for this qualification.

PACKAGING RULES

To achieve this qualification, competency must be demonstrated in 15 units of competency consisting of:

- 3 core units
- 12 elective units.

This qualification provides for a specialisation in either **surveying** or **spatial information**. The RTO is to insert the specialisation on the testamur, either:

- CPP41720 Certificate IV in Surveying and Spatial Information Services (Surveying)
- or
- CPP41720 Certificate IV in Surveying and Spatial Information Services (Spatial Information).

For a specialisation in **surveying**, electives are to be selected as follows:

- a minimum of 6 units from Group A
- an additional 6 units from Group A, Group B and/or Group C

or

- up to 2 of the 6 elective units from Group A, Group B and/or Group C may be selected from any current training package or accredited course provided they contribute to a valid, industry-supported vocational outcome, maintain the Australian Qualifications Framework (AQF) level of this qualification and do not duplicate the outcome of another unit used to achieve the qualification.

For a specialisation in **spatial information**, electives are to be selected as follows:

- a minimum of 6 units from Group B
- an additional 6 units from Group A, Group B and/or Group C

or

- up to 2 of the 6 elective units from Group A, Group B and/or Group C may be selected from any current training package or accredited course provided they contribute to a valid, industry-supported vocational outcome, maintain the AQF level of this qualification and do not duplicate the outcome of another unit used to achieve the qualification.

Core Units

CPPSSI3020	Perform simple surveying and spatial computations
CPPSSI4025	Collect spatial data using GNSS
CPPSSI4036	Operate spatial software applications

Elective Units

Group A: Surveying

CPPSSI3019	Produce basic plans of surveys
CPPSSI4030	Operate surveying equipment
CPPSSI4031	Perform surveying computations
CPPSSI4032	Plan and conduct field surveying operations
CPPSSI4037	Produce computer-aided drawings
CPPSSI4040	Collect spatial data using a total station
CPPSSI4041	Set out site and building works

Group B: Spatial Information Services

CPPSSI4022	Store and retrieve spatial data
CPPSSI4024	Source and assess spatial data
CPPSSI4026	Digitally enhance and process image data
CPPSSI4034	Maintain spatial data
CPPSSI4035	Apply GIS software to spatial problems
CPPSSI4039	Design and produce maps
CPPSSI5035	Create spatial data

Group C: General

<u>AHCNAR307</u>	Read and interpret maps
BSBSUS411	Implement and monitor environmentally sustainable work practices
BSBLDR414	Lead team effectiveness
CPPSSI3011	Produce basic maps
CPPSSI4038	Prepare and present GIS data
CPPSSI5060	Develop spreadsheets for spatial data
CPPSSI5061	Survey subsurface utility information
<u>ICTDBS416</u>	Create basic relational databases
<u>ICTDBS506</u>	Design databases
<u>ICTPRG431</u>	Apply query language in relational databases
<u>ICTPRG434</u>	Automate processes
<u>ICTPRG435</u>	Write scripts for software applications
<u>ICTPRG440</u>	Apply introductory programming skills in different languages
<u>MEM30012A</u>	Apply mathematical techniques in a manufacturing engineering or related environment
<u>PSPLND001</u>	Investigate tenure and land use history

QUALIFICATION MAPPING INFORMATION

CPP41720 Certificate IV in Surveying and Spatial Information Services (Surveying) supersedes and is equivalent to CPP40216 Certificate IV in Surveying.

CPP41720 Certificate IV in Surveying and Spatial Information Services (Spatial Information) supersedes and is equivalent to CPP40316 Certificate IV in Spatial Information Services.

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>.