

Qualification Template

QUALIFICATION CODE CPP50220

QUALIFICATION TITLE Diploma of Spatial Information Services

QUALIFICATION DESCRIPTION

This qualification reflects the role of skilled spatial information system (SIS) technicians. They perform advanced data manipulation, including spatial dataset updating and management, development and management of mobile and web base mapping and use a range of technologies, such as specialised geospatial software, remote sensed imagery, 3D digital modelling, and global navigation satellite system (GNSS).

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

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:

- 7 core units
- 8 elective units.

Electives are to be selected as follows:

- 8 units from the elective units listed below
or
- a minimum of 6 units from the electives listed below plus up to 2 units which may be selected from any current training package qualification or accredited course, provided they contribute to a valid, industry-supported vocational outcome, maintain the integrity of the AQF level of this qualification and do not duplicate the outcomes of other units used to achieve this qualification.

Core

CPPSIS5031	Plan spatial data collection
CPPSIS5032	Capture new spatial data
CPPSIS5035	Obtain and validate spatial data
CPPSIS5036	Integrate spatial datasets
CPPSIS5039	Plan and implement spatial projects
CPPSIS6040	Develop 2-D and 3-D terrain visualisations
CPPSIS5064	Coordinate GIS data manipulation and analysis

Elective

<u>AHCLPW404</u>	Produce maps for land management purposes
<u>BSBSMB401</u>	Establish legal and risk management requirements of small business
<u>BSBSMB421</u>	Manage small business finances
<u>BSBSUS401</u>	Implement and monitor environmentally sustainable work practices
<u>BSBWOR502</u>	Lead and manage team effectiveness
CPPSIS5037	Maintain spatial data systems
CPPSIS5038	Develop spatial databases
CPPSIS5040	Interpret and collate spatial data
CPPSIS5043	Design spatial data storage systems
CPPSIS5060	Develop spreadsheets for spatial data
CPPSIS5062	Conduct photogrammetric mapping
CPPSIS6025	Apply quality control measures to spatial products and services
CPPSIS6037	Conduct advanced remote sensing analysis
<u>ICTPRG402</u>	Apply query language
<u>ICTPRG405</u>	Automate processes
<u>ICTPRG414</u>	Apply introductory programming skills in another language
<u>ICTICT409</u>	Develop macros and templates for clients using standard products
<u>PSPLND001</u>	Investigate tenure and land use history
<u>PSPLND012</u>	Review planning documents and environmental assessments

QUALIFICATION MAPPING INFORMATION

The CPP50220 Diploma of Spatial Information Services supersedes and is / is not (TBC) equivalent to the CPP50216 Diploma of 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>.

Modification History

March 2020

Based on feedback from TAFE NSW:

CPPSIS6037 Conduct advanced remote sensing analysis was added to the electives

Two ICT units were removed from the electives:

- *ICTICT307 Customise packaged software applications for clients*
- *ICTICT308 Use advanced features of computer applications.*

Three ICT were added to the electives:

- *ICTPRG402 Apply query language*
- *ICTPRG405 Automate processes*
- *ICTPRG414 Apply introductory programming skills in another language*

It was suggested that *CPPSIS5040 Interpret and collate spatial data* be merged with *CPPSIS5035 Obtain and validate spatial data* and that *CPPSIS5038 Develop spatial databases* and *CPPSIS5043 Design spatial data storage systems* be merged.

November 2019

Number of core units increased by 1, from 6 to 7.

Number of electives reduced by 1, from 9 to 8 so that total number of units remains at 15. Packaging rules adjusted accordingly.

CPPSIS5064 Coordinate GIS data manipulation and analysis moved to core from the electives

CPPSIS6025 Apply quality control measures to spatial products and services transferred from Advanced Diploma of Surveying to Diploma of Spatial.

CPPSIS6037 Conduct advanced remote sensing analysis is included as an additional elective

CPPCM4002 Implement and monitor environmentally sustainable work practices replaced in the electives with cross sector unit [*BSBSUS401 Implement and monitor environmentally sustainable work practices*](#). This minimises unit duplication across the system.

The TAG suggested to replace [*BSBFIM501 Manage budgets and financial plans*](#) with better fitting unit. Two are included for consideration - Establish legal and risk management requirements of small business and Manage small business finances.