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 based 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 consisting of:

- 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

BSBPMG522	Undertake project work
CPPSSI5031	Develop a spatial data collection plan
CPPSSI5032	Capture new spatial data
CPPSSI5035	Create spatial data
CPPSSI5036	Integrate spatial datasets
CPPSSI6040	Develop 2-D and 3-D terrain visualisations
CPPSSI5064	Conduct complex spatial data analysis

Elective

AHCLPW404	Produce maps for land management purposes
BSBSMB401	Establish legal and risk management requirements of small business

BSBSMB421	Manage small business finances
BSBSUS401	Implement and monitor environmentally sustainable work practices
BSBWOR502	Lead and manage team effectiveness
CPPSSI5037	Maintain spatial data systems
CPPSSI5040	Source, collate and interpret spatial data
CPPSSI5043	Design spatial data storage systems
CPPSSI5060	Develop spreadsheets for spatial data
CPPSSI5062	Conduct photogrammetric mapping
CPPSSI6037	Conduct advanced remote sensing analysis
ICTPRG402	Apply query language
ICTPRG405	Automate processes
ICTPRG414	Apply introductory programming skills in another language
ICTICT409	Develop macros and templates for clients using standard products
PSPLND001	Investigate tenure and land use history
PSPLND012	Review planning documents and environmental assessments

QUALIFICATION MAPPING INFORMATION

The CPP50220 Diploma of Spatial Information Services supersedes and is 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

June 2020

In the update 5035, 5040 and 5064 have been retitled to better reflect unit outcomes.

And *PSPLND012 Review planning documents and environmental assessments* has been removed from the electives based on feedback that emphasis in unit is on government requirements which are not directly relevant to a spatial review of environmental assessments.

May 2020

'Plan spatial data' has been updated and retitled to *CPPSIS5031 Develop a spatial data collection plan.*

'Obtain and validate spatial data' has been updated and retitled *CPPSIS5035 Create a metadata statement.*

It is proposed to delete the following units listed in the electives:

CPPSIS5038 Develop spatial databases. Low uptake and ICT units better address the area

CPPSIS5039 Plan and implement spatial projects. Project management is better addressed by the more coherent elective *unit BSBPMG522 Undertake project work.*

CPPSIS6025 Apply quality control measures to spatial products and services. NCVER enrolment data indicates no uptake for several years. The unit coverage, quality control, is addressed across other units.

Feedback was received to add *CPPSIS4039 Design and produce maps* to the core to cover off cartographic requirement of job role. Not actioned at this stage as the unit could be imported under the packaging rules.

Feedback was received to add *ICTICT307 customise packaged software applications for clients* to the electives. Not actioned at this stage as the unit could be imported under the packaging rules.

Feedback was received to remove *PSPLND012 Review planning documents and environmental assessments,* but no explanation why. As it is an elective and thus optional the unit has not been removed.

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 dat*a be merged with *CPPSIS5035 Obtain and validate spatial data* and that *CPPSIS5038 Develop spatial databases* and *CPPSIS5043 Design spatial data storage systems* be merged. Not actioned in June 2020 final drafts.

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

CPPCMN4002 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 a better fitting unit. Two included for consideration - Establish legal and risk management requirements of small business and Manage small business finances.