**QUALIFICATION CODE** CPP60120

**QUALIFICATION TITLE** Advanced Diploma of Surveying

**QUALIFICATION DESCRIPTION**

This qualification reflects the role of surveyors who carry out highly specialised surveying functions in areas such as mining and engineering construction. Duties involve carrying out precise measurements and control surveys relating to engineering structures and mine sites using highly specialised surveying equipment. Surveying skills are applied in a range of industry contexts including town planning, civil construction, mining, engineering, health, agriculture and defence.

Licensing, legislative, regulatory or certification requirements apply in every state. 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.

This qualification is suitable for an Australian traineeship pathway.

**ENTRY REQUIREMENTS**

Entry points to undertake the CPP60120 Advanced Diploma of surveying are:

* CPP50116 Diploma of Surveying, or
* CPP50120 Diploma of Surveying, or
* Demonstrated relevant vocational experience, skills and knowledge commensurate with the scope of work covered in the CPP50120 Diploma of Surveying.

**PACKAGING RULES**

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| To achieve this qualification, competency must be demonstrated in 9 units of competency consisting of:* 2 core units and
* 7 elective units.
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| Electives are to be chosen as follows:* up to 7 units from the electives listed below, or
* up to 2 of the 7 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 AQF level of this qualification and do not duplicate the outcome of another unit used to achieve this qualification.

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| **Core**  |  |
| [BSBPMG517](https://training.gov.au/Training/Details/BSBPMG517)  | Manage project risk  |
| CPPSSI6032 | Conduct advanced GNSS control surveys  |
| **Electives**  |  |
| **Land and Engineering**  |  |
| CPPSSI5044 | Develop subdivision survey designs  |
| CPPSSI5046 | Set out roads and stormwater systems  |
| CPPSSI5051 | Conduct identification surveys |
| CPPSSI5057 | Conduct precision surveys  |
| CPPSSI6035 | Conduct complex engineering set-out surveys  |
| CPPSSI6036 | Monitor engineering structures  |
| CPPSSI6037 | Conduct advanced remote sensing analysis |
| CPPSSI6040  | Develop 2-D and 3-D terrain visualisations |
| **Mining** |  |
| CPPSSI6021 | Conduct open pit mine surveys  |
| CPPSSI6022 | Produce mine drawings  |
| CPPSSI6033 | Conduct underground mine surveys  |
| CPPSSI6034 | Conduct mining geology project research |
| CPPSSI6041 | Compile mine survey plans  |

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**QUALIFICATION MAPPING INFORMATION**

The CPP60120 Advanced Diploma of Surveying supersedes and is equivalent to the CPP60116 Advanced 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>