Australian Government

Department of Education, Employment and Workplace Relations

CPP40109 Certificate IV in Surveying

Release: 1

ISC INDUSTRY SKILLS COUNCILS
Creating Australia's Future

CPP40109 Certificate IV in Surveying

Modification History

Not Applicable

Description

Not Applicable

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Not Applicable

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Employability Skills Summary

Employability Skills Qualification Summary	
Employability Skill	**Industry/enterprise requirements for this qualification include the following facets**:
Communication	• apply communication skills to discuss vocational issues effectively with colleagues and impart knowledge and ideas through oral, written and visual means • apply literacy skills to: • assess and use workplace information • interpret and understand legal, financial and procedural requirements • process workplace documentation • read and record data and write routine reports • research and access routine sources of spatial data • apply numeracy skills to: • record and interpret statistics • record with accuracy and precision • undertake computations • complete all required documentation according to organisational guidelines
Teamwork	• plan and execute set tasks in a team environment • apply interpersonal skills e.g. cooperation and flexibility • relate to people from a range of social, cultural and ethnic backgrounds and with a range of physical and mental abilities • support, and often lead, team debate on the application of various improvement processes • show team leadership • work effectively as part of a team • work with others • discuss and evaluate ideas with team to determine viability and compliance with relevant legislation
Problem solving	• solve surveying problems involving circular curves • identify and address any discrepancies between specifications and actual activities • identify problems and communicate to

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Employability Skills Qualification Summary	
	relevant personnel to improve service and prevent recurrence according to organisational guidelines • identify, analyse and evaluate image data to fulfil project requirements • apply spatial skills to: • understand the holistic implications of height, depth, breadth, dimension, direction and position to actual operational activity and virtual representation • exercise precision and accuracy in surveying computations • perform global positioning system data archival and retrieval • perform global positioning system data management and manipulation • perform file management • solve basic problems relating to height, depth, breadth, dimension, direction and position in actual operational activity and virtual representation • interpret technical task requirements • validate and record measurements according to project specifications • solve problems involving acquired image data according to organisational policies and principles
Initiative and enterprise	• apply analytical skills to determine the data requirements of a survey project • apply negotiation skills • create, extract and output information from engineering plans • analytical skills • participate in assessing the viability of new ideas and implementing new or improved processes
Planning and organising	• archive spatial data according to project specifications • use organisational skills to prioritise activities to meet contractual requirements and to prepare and administer documentation • prepare and collect data using basic global positioning system equipment

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Employability Skills Qualification Summary	
	• prepare to perform traverse computations • plan survey field work • plan and adhere to OHS requirements
Self-management	• time management • prioritise activities • adhere to correct OHS practices
Learning	• apply knowledge of organisational policies and guidelines • update skills and knowledge to accommodate changes in spatial reference systems • update skills and knowledge to accommodate changes in equipment and operations • train others in the use of equipment • apply knowledge of legislative, statutory and industry requirements and standards • operate global positioning system equipment according to manufacturer specifications and organisational guidelines
Technology	• use computers (technical user level) to complete business documentation • use suitable software to communicate with a global positioning system receiver • conduct navigation operations • select and use appropriate tools • maintain equipment

Due to the high proportion of electives required by this qualification, the industry/enterprise requirements described above for each Employability Skill are representative of the property industry in general and may not reflect specific job roles. Learning and assessment strategies for this qualification should be based on the requirements of the units of competency for this qualification.

This table is a summary of Employability Skills that are typical of this qualification and should not be interpreted as definitive.

Packaging Rules

Packaging rules
To achieve recognition at the Certificate IV level, the candidate must demonstrate competency in the eight core units, plus seven electives (total fifteen units). Up to two of the required electives may be selected from other qualifications aligned at the

Packaging rules	
Certificate III, IV or Diploma level in this Training Package or from other relevant endorsed Training Package qualifications aligned at the Certificate III, IV or Diploma level.	
Core units	
CPPSIS4002A	Store and retrieve spatial data
CPPSIS4005A	Collect basic GPS data
CPPSIS4006A	Read and interpret basic image data
CPPSIS4009A	Collect and set out basic surveying data
CPPSIS4010A	Operate surveying equipment
CPPSIS4011A	Perform surveying computations
CUVCRS03B	Produce computer-aided drawings
ICAU2006B	Operate computing packages
Elective units	
BSBITU402A	Develop and use complex spreadsheets
BSBLED401A	Develop teams and individuals
BSBWOR402A	Promote team effectiveness
CPPCMN4002A	Implement and monitor environmentally sustainable work practices
CPPDSM3009A	Maintain workplace safety in the property industry
CPPSIS4007A	Organise field services
CPPSIS4008A	Organise equipment and supplies
CPPSIS4012A	Plan and conduct survey expeditions
CPPSIS4013A	Participate in spatial process improvement
ICAA5139B	Design a database
LGAPLEM404A	Prepare and present geographic information systems data

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Packaging rules	
MNQGEN400A	Apply site risk management system
PRMCMN403A	Facilitate effective teamwork
PRMCMN404A	Facilitate effective workplace relationships