Australian Government

Department of Education, Employment and Workplace Relations

ICA50205 Diploma of Information Technology (Project Management)

Release: 1

ISC INDUSTRY SKILLS COUNCILS
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ICA50205 Diploma of Information Technology (Project Management)

Modification History

Not Applicable

Description

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This qualification provides the skills and knowledge for an individual to be competent in managing end-to-end project management processes and activities in an information technology context. The qualification has a strong ICT base with the potential for inclusion of a range of broader ICT and business units to suit particular project environment needs.

This project management qualification is structured in such a way as to include a significant proportion of project management competencies from other training packages, while maintaining a level of ICT technical competence within the other core units. At the electives level, there is a choice of technical units to suit the individual or enterprise including database, server and website design, architecture and e-business. A number of project management units referenced in this qualification may contribute to industry certifications through the Australian Institute of Project Management (AIPM).

Typically, ICT project leaders and managers have experience as ICT specialists in their own right although other professionals from line functions are sometimes trained in the project management discipline and promoted into ICT project management positions. Credibility in the technical component of projects is important in the ICT sector. The provision for selecting electives from the ICT Training Package enables other ICT oriented skill areas to also be included in the qualification.

Job Roles

Project managers have the responsibility for scheduling, controlling and directing the resources, people, funding and facilities to achieve the customer's business objectives for the particular information technology project. These projects may cover the full spectrum of the ICT industry including software and hardware development, web development or system development. Project managers are also responsible for assembling the team as well as the transitioning of the team to other projects at the end.

Possible job titles include:

- E-business Project Manager
- Ecommerce Production Support Manager
- ICT Project Manager
- IS Manager
- IS Procurement Manager
- IT Business Manager
- IT Manager
- IT Procurement Manager
- Middleware Project Manager
- Manager - Project Development for Ecommerce
- Online Production Coordinator
- Program Delivery Manager
- Project Director
- Project Manager
- Project Manager - Development
- Project Manager (Small Projects)
- Quality Assurance Manager - IT Projects
- Senior Project Manager (SOE)

Prerequisite Requirements

A number of units within this qualification have prerequisites. These are detailed as follows:

Code and Title	Prerequisite units required
ICAA5151B Gather data to identify business requirements	ICAA4041C Determine and confirm client business expectations and needs
	ICAA4233B Determine and apply appropriate development methodologies
ICAA5158B Translate business needs into technical requirements	ICAA4233B Determine and apply appropriate development methodologies

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

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Entry Requirements

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The following units contain the basic fundamentals of ICT knowledge and skills for all qualifications at Certificate III in IT and above. These units or demonstrated equivalence are required for entry into this qualification:

BSBCMN106A   Follow workplace safety procedures
ICAD2012B   Design organisational documents using computing packages
ICAU1128B   Operate a personal computer
ICAU2005B   Operate computer hardware
ICAU2006B   Operate computing packages
ICAU2013B   Integrate commercial computing packages
ICAU2231B   Use computer operating system
ICAW2001B   Work effectively in an IT environment
ICAW2002B   Communicate in the workplace

Employability Skills Summary

Employability Skills Summary
ICA50205 Diploma of Information Technology (**Project Management**)
The following table contains a summary of the Employability Skills required for a Project Manager of small projects. The Employability Skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability Skill	**Industry requirements for this qualification include**:
Communication	• canvassing stakeholders regarding the need for projects • preparing documentation according to standards when analysing behaviour scenarios • using group facilitation and presentation skills in relation to transferring and collecting information and gaining consensus on concepts • using plain English literacy and communication skills in relation to analysis, evaluation and presentation of information
Teamwork	• participating in teams concerned with planning and evaluation functions • coordinating groups and teams
Problem Solving	• using problem solving skills for a defined range of unpredictable problems, for example when specifying and developing classes, objects and system abstract data types
Initiative and Enterprise	• identifying project opportunities • transferring and applying theoretical concepts and/or technical or creative skills to a range of situations
Planning and Organising	• coordinating resource allocation and usage • planning approaches to technical problems or management

Employability Skill	Industry requirements for this qualification include:
	requirements • using project planning skills in relation to scope, time, cost, quality, communications and risk management
Self-management	• acting ethically when managing projects • taking responsibility for own outputs in relation to broad quantity and quality parameters
Learning	• coaching and mentoring others to acquire new knowledge and skills • managing the performance of team members by regular monitoring and review
Technology	• identifying technology needs, sourcing, purchasing, using and testing system components • using project management tools such as computer programs

Packaging Rules

Qualification Structure

To attain the ICA50205 Diploma of Information Technology (Project Management) 19 units must be achieved:

• 13 core units; plus
• 6 elective units

Achieve 13 Core Units
Core

BSBWOR502A   Ensure team effectiveness
BSBFLM514A   Manage people
BSBPMG501A   Manage application of project integrative processes
BSBPMG508A   Manage project risk
ICAA5056B   Prepare disaster recovery and contingency plans
ICAA5138B   Determine acceptable developers for projects
ICAA5151B   Gather data to identify business requirements
ICAA5158B   Translate business needs into technical requirements
ICAS5102B   Establish and maintain client user liaison
ICAS5202B   Ensure privacy for users
PSPPM501B   Design complex projects
PSPPM502B   Manage complex projects
PSPPM503B   Close complex projects

Achieve 2 Elective Units Chosen from the ICA50205 Electives List below
Electives List

BSBEBUS501A   Evaluate e-business opportunities
BSBEBUS504A   Implement an e-business strategy
BSBEBUS505A   Implement new technologies for business

BSBEBUS510A	Manage e-business outsourcing
BSBEBUS511A	Implement a knowledge management strategy for an e-business
BSBEBUS605A	Identify and implement e-business innovation
BSBMGT516A	Facilitate continuous improvement
CUFPOS402A	Manage multimedia assets
CUSGEN03A	Collaborate with colleagues in planning and producing a project
ICAA5035C	Research and review hardware technology options for organisations
ICAA5054C	Validate quality and completeness of system design specifications
ICAA5055B	Confirm transition strategy
ICAA5143C	Implement process re-engineering strategies in an organisation
ICAA5148B	Select new technology models for business
ICAA5150C	Evaluate vendor products and equipment
ICAA5156B	Review and plan to minimise risk to business solutions
ICAA6149B	Implement quality assurance processes for business solutions
ICAA6157B	Develop technical requirements for a business solution
ICAB5063B	Monitor and support data conversion
ICAB5071B	Review developed software
ICAB5073B	Pilot the developed system
ICAB5074B	Monitor the system pilot
ICAD5092B	Update and document operational procedures
ICAI4091B	Conduct post-implementation review
ICAI5085B	Review site in preparation for implementation
ICAI5086B	Scope implementation requirements
ICAI5087B	Acquire system components
ICAI5088B	Evaluate and negotiate vendor offerings
ICAI5089B	Implement and hand over system components
ICAI5090B	Conduct pre-installation audit for software installation
ICAI5152B	Implement risk management processes
ICAI5212B	Implement quality assurance process for web sites
ICAI6187B	Implement change management processes
ICAP5036B	Determine appropriate IT strategies and solutions
ICAP5039B	Match IT needs with the strategic direction of the enterprise
ICAP5155B	Plan process re-engineering strategies for business
ICAP6040B	Develop contracts and manage contracted performance
ICAS5103B	Establish and maintain client user liaison during support activity
ICAS5104B	Determine maintenance strategy
ICAS5105B	Coordinate change requests
ICAS5111B	Review and manage delivery of maintenance services
ICAS5122C	Identify and resolve network problems
ICAS5199B	Manage business websites and servers
ICAS5203B	Evaluate and select a web hosting service
ICAT5077B	Develop detailed test plan
ICAT5081B	Perform systems test
ICAT5082B	Manage the testing process
ICAT5083B	Develop and conduct client acceptance test
ICPMM582B	Manage multimedia projects

Achieve 4 Elective Units Chosen from the Following Sources   (Listed in Recommended Order)

- elsewhere in the *ICA05 Information and Communications Technology Training Package* at Certificate IV (maximum of 2 units at Certificate IV),Diploma or Advanced Diploma; and/or
- BSB07 Business Services Training Package at Diploma or Advanced Diploma; and/or
- any other Training Package (up to maximum of 2 units) at Diploma or Advanced Diploma and based on documented industry or enterprise need
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