

Certificate IV in Information Technology (Networking)

ICA40405

Course Description

This qualification develops skills and knowledge in the installation and management of simple networks and provides for an individual to be effective in network management either as an independent ICT specialist or as part of a team.

Course Duration

Depending on your choice of delivery method you may have up to 24 months to complete this course.

Delivery Methods

Fundamental changes to the Australian workforce in recent years have resulted in employers demanding increased flexibility in the skill sets of their employees. At the same time, more individuals are taking greater responsibility for the development and extension of their own skills and knowledge. Prime Learning endeavours to accommodate those needs with its flexible delivery and qualifications structure allowing enterprises and individuals to progressively build relevant industry skills and have these recognised.

The following delivery methods are available for this course:

- **Classroom** (Classes are set with calendar and also rolling intake)
- **Workplace** (Trainer delivers on site with client)
- **Distance Learning** (All workbooks sent to client)
- **Blended Learning** (Periodic Workshops and Distance Learning)
- **RPL** - Recognised Prior Learning

For further customisation, or more information, please contact one of our course advisors on **1800 22 99 33**.

Pre-requisites

There are prerequisites that contain the basic fundamentals of ICT knowledge and skills for all the qualifications at Certificate III in IT and above, which are the 9 core competencies required for the Certificate II in Information Technology (ICA20105). These competencies may be incorporated free of charge into the certificate of your choice.

BSBCMN106A	Follow workplace safety procedures
ICAD2012A	Design organisational documents using computing packages
ICAU1128A	Operate a personal computer
ICAU2005A	Operate computer hardware
ICAU2006A	Operate computing packages
ICAU2013A	Integrate commercial computing packages
ICAU2231A	Use computer operating system

ICAW2001A Work effectively in an IT environment

ICAW2002A Communicate in the workplace

A number of units within this qualification also have prerequisites. These are detailed below in *Course Units*.

Course Requirements

Throughout the program you will need to have access to a PC or laptop with the following requirements:

- Microsoft Windows (98, Me, 2000, 2003, XP or Vista)
- Microsoft Word 97 or later
- Adobe Acrobat Reader*
- Access to Internet and Email
- CD-Rom Drive

* Can be downloaded free of charge from www.adobe.com

Resources Included

All of the learning materials and text books required to complete this course will be provided.

Course Units

20 units - 16 core unit plus 4 elective units

Achieve 2 Elective Units Chosen from the Following Sources (Listed in Recommended Order)

- electives listed below; and/or
- ICA05 Information and Communications Technology Training Package (at Certificate III [maximum of 2 units], Certificate IV or Diploma); and/or
- BSB07 Business Services Training Package (at Certificate IV or Diploma)

Achieve 2 Elective Units Chosen from the Following Sources (Listed in Recommended Order)

- any other Training Package (at Certificate IV or Diploma) based on documented industry or enterprise needs; and/or
- electives listed below

Core Units

Code	Description	Pre-requisites
BSBCM304A	Contribute to personal skill development and learning	
ICAA4041C	Determine and confirm client business expectations and needs	
ICAB4220B	Create scripts for networking	ICAB4225B Automate processes
ICAB4225B	Automate processes	
ICAD4043B	Develop and present a feasibility report	
ICAD4217B	Create technical documentation	
ICAI4029C	Install network hardware to a network	
ICAI4030B	Install software to networked computers	

ICAI4097C	Install and configure a network	ICAI3101B Install and manage network protocols
ICAI4099B	Build an intranet	ICAI3101B Install and manage network protocols ICAS3120C Configure and administer a network operating system # ICAI4029C Install network hardware to a network
ICAI4188B	Install and maintain a server	ICAI3101B Install and manage network protocols ICAI3020B Install and optimise operating system software ICAS3120C Configure and administer a network operating system
ICAS4124B	Monitor and administer network security	ICAS3032B Provide network systems administration #
ICAS4127B	Support system software	ICAI3020B Install and optimise operating system software
ICAT4221B	Locate equipment, system and software faults	
ICAW4214B	Maintain ethical conduct	
PSPPM402B	Manage simple projects	

Elective Units

Code	Description	Pre-requisites
ICAI4244A	Install and maintain an RFID system	ICAI3101B Install and manage network protocols ICAI4029B Install network hardware to a network
ICAI4249A	Implement and evaluate data security	ICAS3024B Provide basic system administration ICAS4124B Monitor and administer network security #
ICAI4251A	Implement and evaluate network and telecommunication security	ICAS4119B Monitor and administer system security # ICAS4124B Monitor and administer network security #
ICAB4247A	Link an RFID system to a database	ICAB4136B Use structured query language to create database structures and manipulate data

Knowledge and Skills Gained

(This summary of employability skills that are typical of this qualification and should not be interpreted as definitive.)

- Writing skills for business, requiring depth in some areas, and analysis and evaluation of information in a defined range of areas (e.g. when hardware and asset recording documentation is completed in line with organisational requirements)
- Consulting with the work team to review proposed changes against current and future business requirements
- Establishing and improving work teams in an IT environment
- Debugging code
- Solving network problems related to the installation of hardware, software and networks
- Developing new criteria and procedures for performing current practices
- Identifying, analysing and evaluating information from a variety of sources
- Creating project plans to guide the development of systems methodologies
- Planning and designing an intranet
- Preparing feasibility reports taking into account the scope, time, cost, quality, communications and risk management
- Taking responsibility for own output in relation to specified quality standards
- Working within the Australian Computer Society code of ethics regarding security, legal, moral and ethical issues
- Maintaining knowledge of tools and software applications and the goods and services provided
- Obtaining client evaluation and feedback
- Providing one-to-one instruction for clients and users
- Selecting and using software and hardware diagnostic tools, including multimedia contexts and automated testing environments

Career Outcomes

A competent person could work as a network manager or administrator within an organisation.

Possible job titles include: Network Administrator, Network Manager, Network Operations Analyst, Network Operations Engineer, Network Operations Technician or Network Technician

Pathways

Individuals who successfully complete the Prime Learning Certificate IV in Information Technology (Networking) may undertake further studies within Information Technology qualifications, as well as being a pathway towards a Diploma of Information Technology.

For more details contact one of our course advisors on **1800 22 99 33**.

Assessment Information

Assessment is ongoing throughout the learning process to both gather data on attainment of competencies, and to provide learners with feedback on how they are progressing. For more details contact one of our course advisors on **1800 22 99 33**.

Enrolment Form

For further information contact one of our course advisors on **1800 22 99 33**, or visit our website for more details
www.primelarning.com.au

Contact Information

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