



Diploma of Information Technology (Networking)

(Course Code ICA50405 / CRICOS Code 060745F)

Course Aims

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.

Characteristics of Learning Outcomes

Knowledge and competencies at this level cover a broad range of varied activities or applications in a wider variety of contexts most of which are complex and non-routine. Leadership and guidance are involved when organising activities of self and others as well as contributing to technical solutions of a non-routine or contingency nature.

Skills at this level involve performance of a broad range applications including to evaluate and analyse current practices, develop new criteria and procedures for performing current practices, and provision of some leadership and guidance to others in the application and planning of the skills.

Application of skills involves responsibility for, and limited organisation of others.

Job Roles

Possible job titles include:

- Configuration Specialist
- Enterprise Application Integration Consultant
- E-Security Analyst/Manager
- Integration Analyst
- Integration Centre Specialist
- Intranet Engineer
- Middleware Integration Specialist
- Network Engineer
- Senior Java Developer (major systems integration)
- Solutions Architect
- Systems Engineer

Course Structure

Dipl.TNet01

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

Dipl.TNet02

ICAI3101B	Install and manage network protocols
ICAA5140C	Design a server
ICAD4217B	Create technical documentation
ICAA4233B	Determine and apply appropriate development methodologies
ICAI4097C	Install and configure a network



ICAB5160C Build and configure a server
BSBPMG505A Manage project quality
ICAA5056B Prepare disaster recovery and contingency plans

Dipl.TNet03

ICAA5045C Produce network architecture design
ICAA5158B Translate business needs into technical requirements
ICAI5098C Install and manage complex networks
ICAI5100C Build an internet infrastructure
ICAS5202B Ensure privacy for users
PSPPM502B Manage complex projects

ICAA5151B Gather data to identify business requirements
ICAS5102B Establish and maintain client user liaison

Dipl.TNet04

ICAA5144B Determine best-fit topology for a local network
ICAA5145B Identify best-fit topology for a wide area network

ICAA5045C Produce network architecture design
ICAI5098C Install and manage complex networks

ICAB5160C Build and configure a server
ICAI5100C Build an internet infrastructure

ICAS5192B Configure an internet gateway
ICAS5123C Manage network security

Modes of Study

On-site or Distance

Teaching and Learning Strategies

- Hands-on practice
- Formal presentations
- Lectures
- Discussion groups
- Research assignments

Assessment Methods

The achievement of competence will be assessed by a range of methods aiming at maximum flexibility and customization to address specific needs and learning situations. Assessment methods may include:

- Observations of ongoing activities in class
- Short formal and informal tests
- Presentation of portfolios
- Role-plays
- Observation of group discussion

Duration

1 year

Intake

Term1: 13/02/2012 - 15/02/2012
Term2: 30/04/2012 - 01/07/2012
Term3: 16/07/2012 - 16/09/2012
Term4: 01/10/2012 - 02/12/2012