



Diploma of Information Technology

Specialisation: Telecommunications Network Engineering & Advanced Networking

 Qualification Code:
ICT50220

 CRICOS Course Code:
113797G

 Duration
Course duration is calculated on 20 hours per week of face-to-face training for 44 weeks & 8 weeks of allocated term break.
Total Course Duration: 52 weeks

 Mode of Delivery

- Face to face classroom based.
- Multicultural groups in an instructor-led learning environment.
- Assessment in simulated environment.

Qualification Overview

This qualification reflects the roles of individuals in a variety of information and communications technology (ICT) roles who have established specialised skills in a technical ICT function.

Individuals in these roles carry out moderately complex tasks in a specialist field, working independently, as part of a team or leading a deliverable with others. They may apply their skills across a wide range of industries, business functions and departments, or as a business owner (sole trader/contractor).

The specialised skills required for a wide variety of roles are listed in the Training Package.

Who can Enrol?

Target group for this program will be the international students over the age of 18 including mature aged clients who wish to further develop or formalise their skills in Telecommunications Network Engineering & Advanced Networking.

Recommended Pathways from the Qualification

After achieving this qualification, individuals could progress to ICT60220 - Advanced Diploma of Information Technology qualification. They may choose to advance their selected specialisation areas or expand their skills and knowledge in new areas.

Entry Requirements

There are no formal prerequisites required to enter the Diploma of Information Technology. However, applicants must meet the following entry requirements:

English Language Requirement

Minimum IELTS score of 6.0 Or PTE score of 52 or Certificate IV in EAL or equivalent*.

*For equivalency of various English Languages proficiency testing, and other forms of equivalency please refer to the admissions and student selection policy available in the student's handbook (www.omni.edu.au).

Academic Requirement

No prior academic requirements apply for this qualification; however, Omni College requires successful completion of Australian Equivalent Year 12 qualification or higher.

Employment Pathways from the Qualification

Job roles and titles vary across different industry sectors. Possible job titles relevant to this qualification include:

Telecommunications Network Engineering

- Telecommunications Field Engineer
- Telecommunications Technical Officer
- Telecommunications Network Planner
- Telecommunications Engineering Technician
- Telecommunications Solution Engineer
- Network Support Engineer
- Network Design Engineer

Advanced Networking

- Network Administrator
- System Administrator
- Systems Engineer
- Cyber Security Specialist
- Network Services Administrator
- Network Support Coordinator
- Network Security Coordinator
- Network Operations Analyst

Age Requirement

All applicants must be aged 18 years or over at the time of applying for admission to the course.

Other

Applicants should have proficiency in digital literacy and MS Office skills (Word, Excel and Power Point). Applicants should be in possession of their personal computer (the minimum configuration should be Intel Core i3 (sixth generation or newer) or equivalent. Operating System: Microsoft Windows 10 Professional x64, Memory: 4 GB RAM, Storage: 120 GB internal storage).

Language Literacy and Numeracy (LLN) Requirement

Applicants will be required to demonstrate their LLN capabilities and/or complete an LLN assessment prior to the commencement of the course as per the Omni Pre-training and LLN Policy and Procedure. Omni College uses LLN Robot platform for the assessment.

Note: In the absence of formal English qualifications Omni College may prefer English Placement Test.



CORE UNITS

BSBCRT512	Originate and develop concepts
BSBXCS402	Promote workplace cyber security awareness and best practices
BSBXTW401	Lead and facilitate a team
ICTICT517	Match ICT needs with the strategic direction of the organisation
ICTICT532	Apply IP, ethics and privacy in ICT environments
ICTSAS527	Manage client problems

SPECIALISED ELECTIVE UNITS – TELECOMMUNICATIONS NETWORK ENGINEERING

ICTICT519	Develop detailed component specifications from project specifications
ICTNPL413	Evaluate networking regulations and legislation for the telecommunications industry
ICTNWK423	Manage network and data integrity
ICTNWK541	Configure, verify and troubleshoot WAN links and IP services
ICTPMG505	Manage ICT projects
ICTTEN519	Design network building projects

SPECIALISED ELECTIVE UNITS – ADVANCED NETWORKING

ICTNWK529	Install and manage complex ICT networks
ICTNWK536	Plan, implement and test enterprise communication solutions
ICTNWK540	Design, build and test network servers
ICTNWK546	Manage network security
ICTNWK557	Configure and manage advanced virtual computing environments
ICTNWK559	Install an enterprise virtual computing environment

GENERAL ELECTIVE UNITS*

ICTSAS524	Develop, implement and evaluate an incident response plan
ICTSAS502	Establish and maintain client user liaison

Note: *The general elective units may change at college's discretion, if necessary.

