Advanced Diploma of Information Technology

Specialisation: Telecommunications Network Engineering

QUALIFICATION CODE:
ICT60220

CRICOS COURSE CODE:
113798F

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.

LOCATION
Main campus: Level 9, Tenancy 2, 620 Bourke St Melbourne, VIC 3000

Qualification Overview

This qualification reflects the role of individuals in a variety of information and communications technology (ICT) roles who have significant experience in specialist technical skills, or managerial business and people management skills.

Individuals in these roles carry out complex tasks in a specialist field, working independently, leading a team or a strategic direction of a business. They apply their skills across a wide range of industries and business functions, 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 applicants will be mostly International/overseas mature aged applicants who may have completed ICT50220 Diploma of Information Technology or similar qualification and want to further develop their skills in Telecommunications Network Engineering.

Recommended Pathways from the Qualification

After achieving this qualification, individuals could progress to higher education sector qualifications within the ICT area. They may choose to advance their selected specialisation areas or expand their skills and knowledge in new areas.

Employment Pathways from the Qualification

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

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

Entry Requirements

There are no formal prerequisites required to enter the ICT60220 - Advanced Diploma of Information Technology course. However, Omni College prefers applicants to have successfully completed the ICT50220 - Diploma of Information Technology or a similar qualification.

Additionally, applicants must meet the following entry requirements:

English Language Requirement

Please refer to: Admissions and Student Selection Policy.

Age Requirement

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

Language, Literacy, Numeracy (LLN) and Digital Literacy Requirement

All students enrolling in a VET course at Omni College are required to undertake a Language, Literacy, Numeracy (LLN) and Digital Literacy test to identify their capabilities prior to signing the Letter of Offer (LOO). The outcome enables the trainers and Student Support Staff to identify the learning and digital needs and make provisions for additional academic support where required.

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).

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

CORE UNITS

BSBCRT611	Apply critical thinking for complex problem solving
BSBTWK502	Manage team effectiveness
BSBXCS402	Promote workplace cyber security awareness and best practices
ICTICT608	Interact with clients on a business level
ICTICT618	Manage IP, ethics and privacy in ICT environments
ICTSAD609	Plan and monitor business analysis activities in an ICT environment

SPECIALISED ELECTIVE UNITS - TELECOMMUNICATIONS NETWORK ENGINEERING

ICTNPL413	Evaluate networking regulations and legislation for the telecommunications industry
ICTNWK612	Plan and manage troubleshooting advanced integrated IP networks
ICTPMG613	Manage ICT project planning
ICTTEN615	Manage network traffic
ICTTEN622	Produce ICT network architecture designs

GENERAL ELECTIVE UNITS*

ICTICT611	Develop ICT strategic business plans
ICTICT612	Develop contracts and manage contract performance
ICTICT613	Manage the use of development methodologies
ICTSAD604	Manage and communicate ICT solutions
ICTSAS526	Review and update disaster recovery and contingency plans

Note:

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