

Course Content

INTRODUCTION

- Orientation
- Introduction to Computer Power

NETWORK OPERATION SYSTEMS

- Planning the Local Area Network
- Installing the Local Area Network
- Network structure and security
- Managing users and groups
- Setting up and configuring a network workstation
- Setting up a server and network

NETWORK+

- Network concepts
- Network installation and configurations
- Network applications and administration
- Network structure and security

MICROSOFT CERTIFICATIONS (MCP & MCSA)

- Implementing Microsoft Windows Server 2003 Network Infrastructure
- Managing and Maintaining a Microsoft Windows Server 2003 Environment
- Implementing and Supporting Microsoft Windows XP Professional

LINUX RED HAT CERTIFICATION (RHCT)

- Hardware, device configuration and installation
- Linux File system Management
- System initialisation, services and administration tools
- Network configuration and troubleshooting
- Red Hat Linux Computing Essentials
- Red Hat Linux Core System Administration

CERTIFIED CISCO NETWORK ASSOCIATE

- CCNA Certification Process
- Internet working
- The OSI Model
- Managing Cisco Devices
- Cisco Catalyst Switches
- CCNA Exam Preparation

SECURITY+

- General security concepts
- Communication Security
- Infrastructure Security
- Basics of Cryptography
- Operational and Organisational Security

WIRELESS#

- Wi-Fi, Bluetooth, WiMAX, ZigBee, Infrared, RFID and VoWLAN
- Wireless organisations, standards and protocols
- Wireless hardware, software and installation
- Radio Frequency (RF) technologies
- Applications, support and security

PROFESSIONAL DEVELOPMENT PROGRAM

- Goal setting and planning
- Time and personal resource management
- Communication skills, decision making
- Telephone and written communication skills

EMPLOYMENT PREPARATION AND PLANNING

- Surveying the job market
- Matching skills with employer needs
- Interview techniques



Qualification: Diploma in Information Technology (Advanced Network Engineering) – level 7

Study Computer Power Institute level 7 Diploma. Graduate and position yourself stronger in your IT career advancement, while gaining a better start for you and your family in New Zealand.

You

Study Duration: 13 Months

Course Fee: NZD \$16,000 + \$500 enrolment fee

Self paced learning under the facilitation of our qualified experienced instructors.

Fast track through easier courseware, more time to study other challenging courseware.

Undertake assessments when you are ready.

Qualifications: Approved by NZQA and vendor certifications recognised globally.

Career

Open work permit.

Free graduate job placement assistance.

Since 1968, more than 90% of our graduates have successfully gained employment in the Information and Communications Technology industries.

Gain higher level job roles and higher salary.

Accelerate your global career path.

Study in 7 globally recognised vendor certifications:

Network+, CCNA, MCP, MCSA, RHCT, Security+ and CWNP CWTS

Microsoft
IT Academy
Program Member

CompTIA



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Course Duration

Estimated course completion time is 54 weeks. Depending on individual commitment and capability, the diploma completion time may vary between a minimum of 49 weeks to a maximum of 58 weeks. Through normal progress, student's are expected to complete the course in 54 weeks. A discretionary extension by the Campus Coordinator may be granted for up to 4 weeks under exceptional circumstances.

What will I learn?

The course provides training in a range of skill sets. This includes the design, installation and management of computer networks and systems network security, troubleshooting, planning, implementation and maintenance of various security systems including Wi-Fi, Bluetooth, Infrared and VoWLAN.

Should I consider this course?

This is an advanced course for those seeking career advancement in the field of networking design, management and security. It should appeal to those who wish to obtain multiple vendor certifications while achieving a widely recognised IT qualification.

Major Course Goals

Upon completion of this course, students will be able to:

- Complete computing tasks and functions in a number of operating system environments.
- Configure and administer a local area network.
- Troubleshoot and resolve network problems and manage network security.
- Communication security, infrastructure security, cryptography, access control, authentication, hacking and operational security.



Entry Requirements

- Computing Diploma level 5 or equivalent or
- Non-computing degree or equivalent and
- IELTS level 6.0 or equivalent (for International students where English is not their first language)
- Computer Power Aptitude test

Career Path

This diploma may complement your existing skills and qualifications or provide further opportunities in your current role.

