

# Industry Certification Courses: Embedding Microsoft's MOC 2274

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## Introduction

In 2002 the Wintec School of IT embedded the Cisco CCNA 1 to 4 courses into its diploma level 5 and 6 programmes. In 2004 the Cisco CCNA [Cisco Certified Network Associate] courses, as developed by Wintec, were published in the 10<sup>th</sup> edition of the NACCQ 'Blue Book'. By 2006 the CCNA 1 to 4 courses were embedded into the Wintec Bachelor of IT degree programme.

In 2009 the Wintec School of IT decided, as a result of consultations with its Employers Partnership Group [EPG], to embed the MOC 2274 course into its level 6 diploma programme. This course is being offered for the first time in semester 1 of this year to all students in the Programming, Systems Support, and Technician streams.

## Content

According to Robertson and Corbett [2004] Microsoft and Cisco qualifications featured strongly in advertisements across a range of media, including the NZ

Herald and Seek IT online. Recent Seek ICT job advertisements continue show a strong preference for tertiary qualified applicants with industry certifications [Fig 1]. This has helped provide a further incentive for Wintec to embed the MOC 2274 course into its level 6 Diploma in ICT.

ITP tutors must qualify as Microsoft Certified Trainers [MCT] in order to access the Microsoft e-Learning online material, set up class access and teach MOC courses. Students access their e-Learning courses independently and complete virtual exercises, virtual labs and a series of practical lab exercises in an off-line computer lab. Wintec have developed a series of formative tests in Moodle, based on Microsoft's style of questions. These tests, covering the 10 chapters, or modules, contribute to the overall student outcomes, are open book and help provide an incentive for student learning.

## Conclusion

Placing them in Moodle automates the marking and

recording of the test results, thus helping tutors manage the administrative workload.

Students also complete a series of practical labs, corresponding to the 2274 course modules/chapters 1 to 10, in a network lab exclusive to the School of IT. They prepare a removable hard disk, install and configure Windows Server 2008, including Active Directory [AD] services, and join the course-based domain running on two preconfigured servers.

The final exam, available via the Microsoft e-Learning course, is based in Moodle so that the assessment can be administered in a secure, proctored environment.

## References

Robertson, G. & Corbett, E. (2004) Creating Intriguing Synergies with Course Offerings: An ITP Perspective on Integrating Industry Qualifications Retrieved April 7, 2011 from [http://www.naccq.ac.nz/bacit/0203/2004Roberton\\_IndustInteg.htm](http://www.naccq.ac.nz/bacit/0203/2004Roberton_IndustInteg.htm)

**NEW ZEALAND INSTITUTES OF TECHNOLOGY AND POLYTECHNIC QUALIFICATIONS IN INFORMATION & COMMUNICATIONS TECHNOLOGY**

**PRESCRIPTION: NA600 MICROSOFT WINDOWS SERVER ADMINISTRATION**

**AIM OF MODULE:** Students will gain the knowledge and skills required to manage accounts and resources in a Microsoft® Windows Server™ 2003/2008 environment

**CREDITS:** 7

**KNOWLEDGE ASSUMED FROM:** A+ certification and Network+ certification, or equivalent knowledge and skills.

**STUDENT LEARNING HOURS:** 70

**CONTENT REVISED:** 2010 (New)

**PRESCRIPTION EXPIRY DATE:** November 2013

**NOTES:**

- The content of this module is based on MOC 2274 - Managing a Microsoft® Windows Server™ 2003/2008 Environment
- This module, together with NA610 (based on MOC 2275), prepares students for the 70-290 exam, leading to a MCP qualification

TOPICS	Level and Assessment Schedule				Suggested Assessment Percentage
	R	C	A	P	
1. Administering Accounts and Resources			*		10
2. Managing User and Computer Accounts			*		10
3. Managing Groups			*		10
4. Managing Access to Resources			*		10
5. Implementing & Managing Printing			*		10
6. Managing Access to Objects in Organizational Units			*		10
7. Implementing & Using Group Policy to manage the User Environment			*		20
8. Implementing Administrative Templates and Audit Policy			*		20
					100

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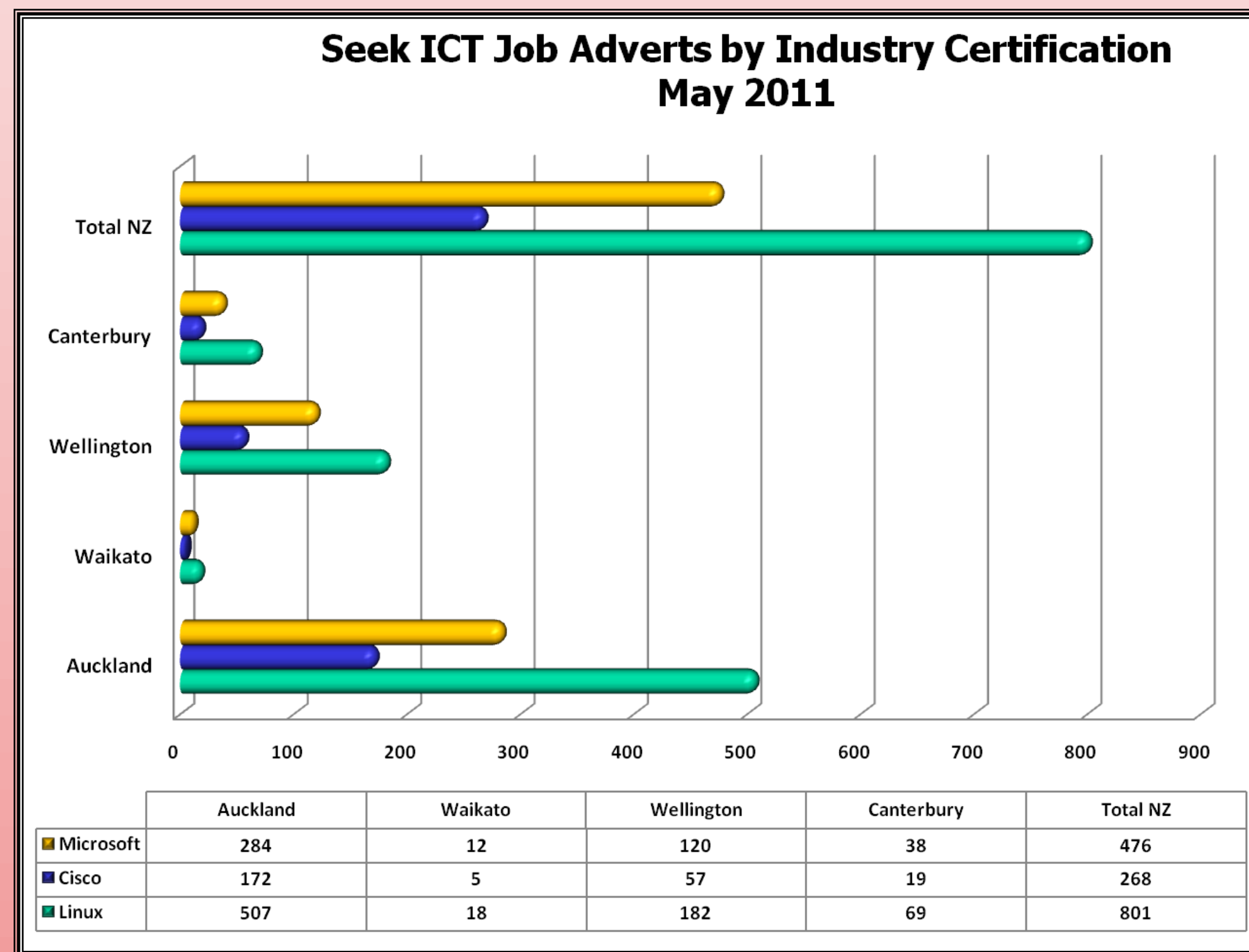


Fig. 1 Seek NZ ICT Job Advertisements by Industry Certification [May 2011]

**Microsoft IT Academy**

Weekly outline

**Microsoft® IT Academy**

Welcome to the NA600 IT0611/1101 2274 Online Course.

The URL for accessing this course is as follows: <https://itacademy.microsoft.com/learning/enterCode.aspx>

The access code will be provided by your tutor.

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**Microsoft IT Academy Online Learning Program**

The Microsoft IT Academy Online Learning Program is a powerful Web-based resource for both students and instructors that complements courseware, reference materials, group collaboration and mentoring. Instructors will also benefit from using online training.

Access Site >

**Enter Access Code**

Review and accept the End User License Agreement. As you are provided with an access code for additional content, enter it in the box below. Each access code can only be used one time.

(Please note: access codes are case-sensitive. Be sure to include the dashes. Text must be entered exactly as displayed.)

I have read and accept the End User License Agreement.

Access Code:

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IT Academy Home

Course 2274: Managing a Microsoft® Windows Server™ 2003 Environment

Estimated Time of Completion: 21 Hours and 28 Minutes

Published:

Language: English

Audience(s): IT Professional

Technology: Microsoft Windows Server 2003

Course Type: Self-paced Course

Available Offline: Yes

Modules & Lessons	Launch	Assessment Results
Course Introduction	Review	Not Assessed
Introduction to Administering Accounts and Resources	Review	Not Assessed
Introduction	Review	Not Assessed
The Windows Server 2003 Family Overview	Review	Not Assessed
Log On to a Windows Server 2003 Computer	Review	Not Assessed
Install and Configure Administrative Tools	Review	Not Assessed
Create an Organizational Unit	Review	Not Assessed
Move Domain Objects	Review	Not Assessed
Lab	Review	Not Assessed
Summary	Review	Not Assessed

**School of Information Technology**

**Wintec**

**Lab 1**

**Creating an Organizational Unit Hierarchy**

**Scenario**

As a systems administrator for Northwind Traders, you have been given the task of creating an organizational unit hierarchy designed by the Northwind Traders design team.

The organizational unit hierarchy will use a location-based design that separates user and group accounts. You will create the organizational unit hierarchy in your city organizational unit.

**Steps**

- Log on to the local computer using the user account `ComputerName\Admin` account
- Open Server manager
- Access click on Features and Add New Features
- Add Remote Server Admin Tools and click next
- Add Security and click next
- Restart/reboot machine
- Note: you will have switch user before logging back in to the domain.
- Log on to the domain `Nwtraders` using the user account `ComputerName\Admin` account
- Find the `Nwtraders/Locations/ComputerName` organizational unit (OU).
- Create the `Nwtraders/Locations/ComputerName/Users` organizational unit.
- Create the `Nwtraders/Locations/ComputerName/Groups` organizational unit.

2274: Managing a Microsoft® Windows Server™ 2003 Environment

Microsoft Learning

Course Introduction

Course Objective

In this course, you will manage a Microsoft Windows Server 2003 environment.

What's Covered

- Introduction to Administering Accounts and Resources
- Managing Computer and User Accounts
- Managing Groups
- Managing Resource Access
- Implementing Printing
- Managing Access to Objects in Organizational Units
- Implementing Group Policy
- Managing the User Environment by Using Group Policy
- Implementing Administrative Templates and Audit Policy
- Course Summary

Introduction to Administering Accounts and Resources

Microsoft Learning

Module Objective

You will administer accounts and resources in a Microsoft® Windows Server™ 2003 environment.

You Will Be Able To:

- Describe the Windows Server 2003 Environment
- Log On to a Windows Server 2003 Computer
- Install and Configure Administrative Tools
- Create Organizational Units (OUs)
- Move Domain Objects

Introduction to Administering Accounts and Resources

Microsoft Learning

Search the Glossary

computer account

An Active Directory object that identifies the computer's running Microsoft Windows NT4, Windows 2000, Windows XP, or Windows Server 2003 that join a domain.

credentials

Information, such as the combination of an account name and password, that asserts the identity of an applicant for authentication.

custom query

A way to locate information in Active Directory using criteria that are not available in basic queries.

will provide an account for you to get started with the tasks involved in organizing and managing resources.

The Windows Server 2003 Family Overview

Microsoft Learning

Primary Server Types

Interactive

Click the server type to view a description.

Server type	Function
Domain controller	Domain Name System (DNS) is an Internet and TCP/IP standard name service. The DNS service enables client computers on your network to register and resolve DNS domain names. A computer configured to provide DNS services on a network as a DNS server. You must have a DNS server on your network to implement Active Directory.
File server	
Print server	
DNS server	
Applications server	
Terminal server	

Servers play many roles in the client/server networking environment. As a systems