

Course Objective	Competencies
<p>3. Workstation and Server configurations</p>	<ul style="list-style-type: none"> a. Understand how to identify, set, change, and test the network interfaces for Windows XP systems. b. Understand how to identify, set, change, and test the network interfaces for Apple Mac OS X systems. c. Understand how to identify, set, change, and test the network interfaces for a common Linux system. d. Share resources between Windows, Mac OS X, and Linux systems. e. Configure and use the native firewall software in Windows and OS X. f. Identify open and closed ports on these operating systems.
<p>4. Router configuration</p>	<ul style="list-style-type: none"> a. Understand the principles of operation of routers. b. Configure a common home or small business router. c. Understand the differences between a home/small business router and enterprise routers. d. Reset router hardware to known configuration. e. Understand and setup PPOE for DSL connections. f. Use the web based setup program to configure common routers. g. Understand the basics of router firewall configuration. h. Configure a simple VLAN settings to securely access a corporate network resource.

Course Objective	Competencies
5. Wireless Networks	<ul style="list-style-type: none">a. Understand the principles of operation of wireless networks and wireless routers.b. Understand common RF interference problems.c. Understand the terminology for wireless network settings.d. Configure wireless networks and clients.e. Configure and use the WEP and WPA security settings.
6. Security	<ul style="list-style-type: none">a. Understand the common security risks to networks.b. Understand and use common security protocols such as SSL, SSH, and SFTP.c. Understand the basics of encryption.