

CISCO SYSTEMS
NETWORKING ACADEMY
PROGRAM**Computing and Information
Technology****CCNA1: Network Fundamentals**

School of Engineering (TAFE)

www.rmit.edu.au/engineeringtafe/shortcourses**Course Objectives**

Learners will understand how to communicate in a network-centric world. They will also gain knowledge and skills to describe the functions of the seven layers of the OSI reference model; describe physical and logical addresses and identify key differences between them; identify different network topologies; transmission media (copper, optical & wireless) & signal losses; design Local Area Networks; describe different classes of IP addresses and subnetting; define flow control and describe the collision detection mechanisms used in networking this accelerated program.

Prerequisites

Participants should have a basic understanding of using Windows-based computers.

It will be assumed that students have post school industry experiences, training, etc., and, therefore are mature, with a drive level to cope with this accelerated program.

Course Duration

Class attendance of 4 hours/week enables you to complete the program in 12 months (10 weeks for each semester). A Fast track program (8 hours/week on Saturday) enables you to complete the program in 20 weeks.

CCNA Exploration Certification

The Cisco Systems Networking Academy Program prepares learners for the CCNA (Cisco Certified Networking Associate) exploration examination. In order to obtain an internationally recognized CCNA credential, students must sit for a separate CCNA Exploration examination. This examination is conducted by Pearson VUE. Learners who have successfully met Cisco Academy requirements may get up to 50% discount for the CCNA Exam Fees.

Course Outline

- Architecture of the Internet
- Platform of LANs, WANs
- OSI model and Networking Devices
- Network topologies and Transmission Media
- IP addressing and Subnetting
- Ethernet Operation (100/1000 Mbps and 10 Gbps, versions of Ethernet)
- TCP/IP Protocol Suite: IP, TCP, UDP, FTP & DNS etc.
- Planning, Cabling, Configuring and Testing network.
- Wireless Networking

Fee: \$575 (GST Free)**When:** See attached registration form**Time:** See registration form**Venue:** RMIT City Campus
Building 57, Level 6, Room 01
115 Queensberry Street
(cnr Lygon St) Carlton**Enquiries:** 115 Queensberry Street
(cnr Lygon St) Carlton
Bldg. 57, Level 5
Ask for Wendy or Herb at Reception**Phone:** 9925 4921 **Fax:** 9925 4666**Email:** wendy.gillies@rmit.edu.au**Technical:** Herb Weber 9925 4386**Email:** herbert.weber@rmit.edu.au**Postal:** Short Course Information Office
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