

- Still looking for a job?
- Malaysian Diploma / Degree holder?
- Interested in a career in ICT industry?

**FREE  
TRAINING!**

## JOIN MSC MALAYSIA JOB CAMP

### Course Name: CISCO CCNA

**Duration:** 15 days

**Training Location:** Nota Asia (M) Sdn Bhd, Subang Jaya / KL Plaza

### CISCO CCNA

#### Modules Details / Curriculum

- Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0
- Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0
- Exam Preparation  
(Course outline as enclosed)

ICND 1 focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office Enterprise network, including configuring a switch, a router, and connecting to a WAN and implementing network security. Participant should be able to complete configuration and implementation of a small branch office network under supervision.

ICND 2 focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch implementing network security.



MSC Malaysia via its K-Workers Development Initiatives (KDI) is driving the provision of last mile skills training to potential knowledge workers (k-workers) for the ICT industry. Trainings are currently done through partnership with training providers appointed by Multimedia Development Corporation (MDeC).

MSC Malaysia Job Camp, a KDI programme, provides fresh graduates and available k-workers the necessary training to fill immediate vacancies in MSC, Malaysia Status companies.

For further inquiries, please contact:

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In Collaboration



MSC MALAYSIA - Giving You the Edge Through ICT

# Cisco Certified Network Associate (CCNA)

Duration: 15 days

## Course 1: Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0

### Course Content

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office Enterprise network, including configuring a switch, a router, and connecting to a WAN and implementing network security. A Student should be able to complete configuration and implementation of a small branch office network under supervision.

### Objectives

Upon completion of this course, you should be able to:

- Describe how networks function, identifying major components, function of network components and the Open System Interconnection (OSI) reference model.
- Using the host-to-host packet delivery process, describe issues related to increasing traffic on an Ethernet LAN and identify switched LAN technology solutions to Ethernet networking issues.
- Describes the reasons for extending the reach of a LAN and the methods that can be used with a focus on RF wireless access.
- Describes the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP / IP.
- Describe the function of Wide Area Networks (WANs), the major devices of WANs, and configure PPP encapsulation, static and dynamic routing, PAT and RIP routing.
- Use the command-line interface to discover neighbors on the network and managing the routers startup and configuration.

### Course Outline

- Module 1 - Building a Simple Network
- Module 2 - Ethernet Local Area Networks
- Module 3 - Wireless Local Area Networks
- Module 4 - Exploring the Functions of Routing
- Module 5 - Wide Area Networks
- Module 6 - Network Environment Management

# Course 2: Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0

Pre-requisites: -  
ICND1.

## Course Content

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN and implementing network security.

## Objectives

- Review how to configure and troubleshoot a small network.
- Expand the switched network from a small LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree.
- Describe routing concepts as they apply to a medium-sized network and discuss considerations when implementing routing on the network.
- Configure, verify, and troubleshoot OSPF.
- Configure, verify, and troubleshoot EIGRP.
- Determine how to apply ACLs based on network requirements, and to configure, verify, and troubleshoot ACLs on a medium-sized network.
- Describe when to use NAT or PAT on a medium-sized network, and configure NAT or PAT on routers.
- Identify and implement the appropriate WAN technology based on network requirements.

## Course Outline

- Module 1 - Small Network Implementation
- Module 2 - Medium-Sized Switched Network Construction
- Module 3 - Medium-Sized Routed Network Construction
- Module 4 - Single Area OSPF Implementation
- Module 5 - EIGRP Implementation
- Module 6 - Access Control Lists
- Module 7 - Address Space Management
- Module 8 - LAN Extension to a WAN

## Course Structure

Week	Duration	Module
1	5 days	Course 1: Interconnecting Cisco Networking Devices Part 1 (ICND1) v1.0
2	5 days	Course 2: Interconnecting Cisco Networking Devices Part 2 (ICND2) v1.0
3	2 days	Exam preparation for CCNA