



COMPUTER NETWORKING LEADING TO CISCO CERTIFIED NETWORK ASSOCIATE (CCNA) CERTIFICATION – *NETWORKING FUNDAMENTALS*

Objective

This course is the 1st module of the Computer Networking course leading to CCNA certification. The full course comprises of 4 modules. It aims to equip participants with the necessary theoretical knowledge and practical skills to design, build, maintain and troubleshoot small to medium-size networks.

Who Should Attend

Anyone who wants to have a head start in the computer networking industry

Content

- Computing Basics
- The OSI model
- Local Area Networks (LANs)
- Layer 1: Electronics and Signals
- Layer 1: Media, Connections and Collisions
- Layer 2: Concepts
- Layer 2: Technologies
- Design and documentation
- Structured Cabling Project
- Layer 3: Addressing and Routing
- Layer 3: Routing and Protocols
- Layer 4: The Transport Layer
- Layer 5: The Session Layer
- Layer 6: The Presentation Layer
- Layer 7: The Application Layer

The other modules of the Computer Networking course leading to CCNA certification are as follows:

- Module 2: Routing Theory & Router Technology
- Modules 3 & 4: Intermediate Routing and WAN Technologies

Upon completion of the 4 modules, you are ready for the Cisco Certified Network Associate (CCNA) examination.



SHORT COURSES PROGRAMME

Entry Requirements for *Networking Fundamentals* course

- Free from colour blindness;
- GCE 'N' level and above; and
- Experience with usage of PC and Microsoft Office or equivalent.

Course Details

- Duration : 45 hours (15 sessions)
- Total fee : \$560 (inclusive of GST and registration fee) [SDF Funding is available]
- Schedule : See our website for details or call us for more information

Registration & Payment

- Walk-in at the Customer Service Centres
- Apply online at www.ite.edu.sg/cet/sc/online.htm
- Post the application form to us

Payment is required for confirmation of place. Crossed cheques should be made payable to 'Institute of Technical Education. At the back of the cheque, please write your name, NRIC/FIN, course title and contact number.

Closing date: 1 month before course start date or when the class is full.

SDF Funding

Employers who wish to apply for SDF funding must submit the SDF Form 1 to SDF at least one working day before course start date.

Download the form at www.sdf.gov.sg or request for a copy by calling the **SDF Hotline on 68835885**.

Withdrawal & Deferment

Withdrawal or deferment notice must be made in **writing** to Industry Training Programme Dept:

- 2 weeks or more before course start date - Full refund
- Less than 2 weeks before course start date - 50% refund
- On or after commencement date - No refund

In the event that the course is cancelled due to unforeseen circumstances, full refund will be given.

INSTITUTE OF TECHNICAL EDUCATION

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