

# COURSE GUIDE 2026

## CISCO CERTIFIED NETWORK ASSOCIATE (CCNA)



Route to the IT World





## ■ DESCRIPTION

The CCNA programme is designed for individuals seeking to build a strong foundation in networking concepts and technologies. This course covers essential networking knowledge required to install, configure, operate, and troubleshoot small to medium-sized networks.

Learners will gain practical and theoretical understanding of network fundamentals, IP addressing, routing and switching, network security basics, wireless networking, and automation. The programme is aligned with Cisco's industry-recognized curriculum, ensuring relevance to real-world networking environments.

Upon completion, students will be well prepared for the CCNA certification examination and entry-level roles in networking, IT support, and network administration.

### NETWORK TECHNOLOGY

Embark on a journey to master the intricate world of Network Technology. From fundamental concepts to advanced protocols, you will delve into the core principles that govern the design, implementation, and management of robust computer networks. Highlights of the Network Technology component include:

1. **Networking Fundamentals** : Gain a solid foundation in networking essentials, understanding the architecture and components that form the backbone of modern communication systems.
2. **Protocols and Technologies** : Explore a variety of networking protocols and technologies, from TCP/IP to VLANs, ensuring you are well-versed in the tools that power today's interconnected world.
3. **Security in Networks** : Learn to implement robust security measures to safeguard networks from potential threats and vulnerabilities, preparing you for the challenges of the cybersecurity landscape.
4. **Hands-on Labs** : Apply theoretical knowledge in practical scenarios through hands-on labs, simulations, and real-world projects, honing your skills in configuring and troubleshooting network setups.



## ■ WHAT ARE THE BENEFITS IN STUDYING CCNA AT ATN?

### 1. Competitive Edge in the Job Market:

Obtaining certifications in both Network Technology and C|EH gives you a competitive advantage in the job market. Employers often seek candidates with a diverse skill set, and a dual qualification showcases your versatility and proficiency in multiple areas.

### 2. Industry-Relevant Curriculum:

The program is designed to align with industry needs, ensuring that you acquire the latest knowledge and skills relevant to Network Technology and C|EH. This industry focus enhances your employability and prepares you for real-world challenges.

### 3. Sri Lanka TVEC Attested Certifications:

Upon completion of the program, you will receive certifications attested by the Sri Lanka Tertiary and Vocational Education Commission(TVEC ). This attestation adds credibility to your qualifications, making them internationally recognized and respected.

### 4. In-Depth Understanding of Network Technology:

The Network Technology component provides you with a thorough understanding of networking concepts, protocols, and security measures. This knowledge is essential for roles in network administration, cyber security, and other related fields.

### 5. Hands-On Learning Experience:

The curriculum includes practical components such as hands-on labs, simulations, and real-world projects. This hands-on approach enhances your ability to apply theoretical knowledge to practical scenarios, ensuring you are well-prepared for the demands of the professional environment.



## 7. Networking Opportunities:

Studying at ATN Campus provides you with opportunities to connect with industry professionals, fellow students, and faculty members. Networking events, workshops, and seminars contribute to building a strong professional network, which can be valuable for future career prospects.

## 8. Career Guidance and Support:

ATN Campus is committed to supporting students in their career development. The program may include career guidance sessions, resume workshops, and job placement assistance to help you transition smoothly from academia to the workforce.

## 9. Adaptability and Future-Proofing:

The dual qualification ensures that you are well-equipped with skills in both network technology and Cyber security. This adaptability is crucial in an ever-evolving technological landscape, allowing you to stay relevant and future-proof your career.

## 10. Practical Application of Knowledge:

The program emphasizes the practical application of knowledge through real-world projects. This not only enhances your problem-solving skills but also provides you with a portfolio of work that can be showcased to potential employers.

## COURSE DETAILS

Course Name	Cisco Certified Network Associate
Duration	05 Months
Class	One Day Class Per Week / 4 Hours
Language	English / Sinhala / Tamil
Certificate	TVEC & Cisco
Class Mode	Online / In-Person
Practical Training	Yes Available



## COURSE CERTIFICATE



This Course is verified by TVEC, which is the main government entity controlling the activities of education providers in the Sri Lanka. The verification guarantees that this training course meets all the required standards and criteria in accordance with the highest educational regulations.



**CISCO**

### Cisco Certification Program Accreditation

This certification program is officially recognized and accredited by Cisco Systems, a leading global technology company in networking and IT solutions. Cisco's accreditation ensures that this training course aligns with the highest industry standards and educational criteria, in compliance with rigorous guidelines set by Cisco for its certification programs.



## ■ PREREQUISITES

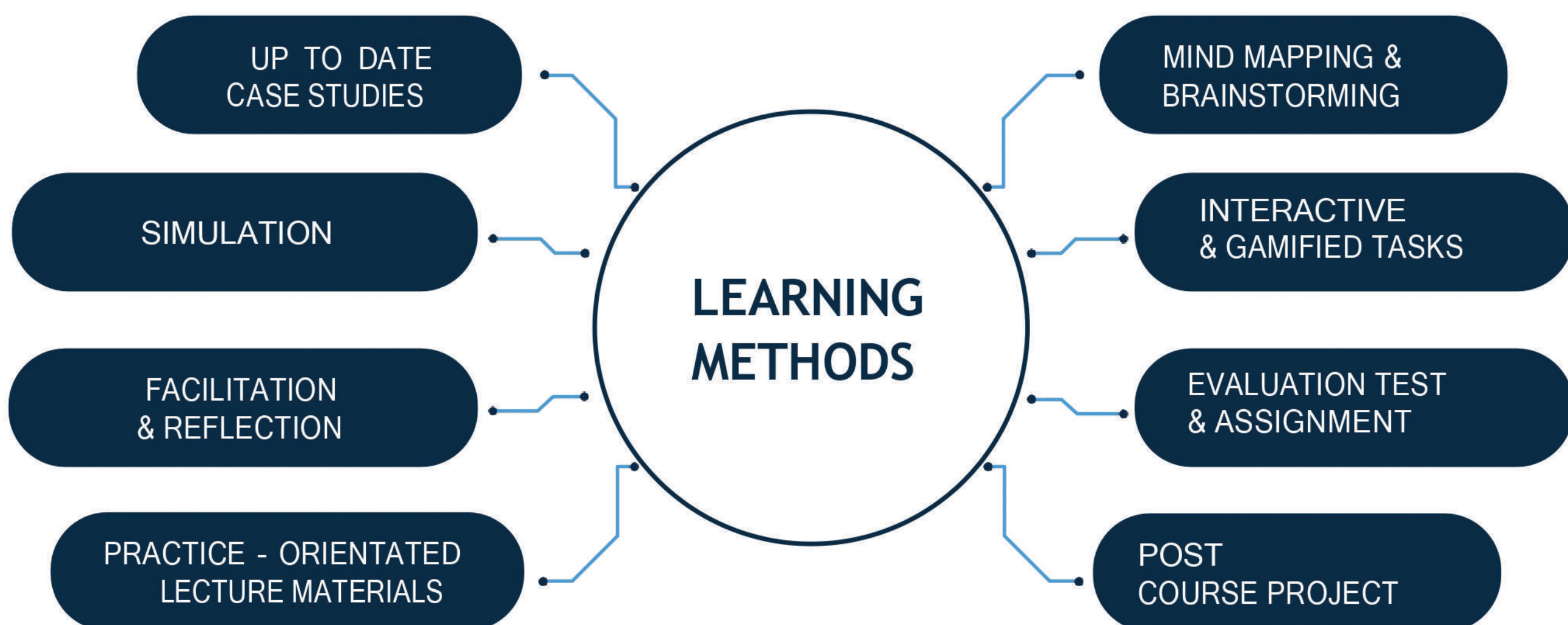
- It is recommended to have secondary education

## ■ WHO CAN ATTEND

- Students those who are in IT sector
- IT Professionals
- School leavers
- Everyone who want to make changes that will be extremely beneficial for a company or to explore new jobs in IT

## ■ LEARNING METHODOLOGIES

All our courses include the most effective adult learning methodology and techniques. Our experience shows that only a combination of these methods can guarantee the best learning outcomes for attendees.



VENUE - ATN CAMPUS Colombo / Kurunegala / batticaloa

**ADDRESS : 507, GALLE ROAD, COLOMBO 06**



# ■ CISCO CERTIFIED NETWORK ASSOCIATE 200-301

## 01. Introduction about Cisco and Networking

- Introduction about Cisco Devices
- Network Types
- Network Topology
- Telecommunication Method

## 02. Addressing Method

- IP Addressing (IPv4 & IPv6)
- Subnetting
- Variable-Length Subnet Mask (VLSM)
- Classless inter-domain routing (CIDR)

## 03. Basic Device Configuration

- Basic CLI Modes
- Troubleshooting and Show Commands
- Secure Cisco Device

## 04. Cisco Discovery Protocol

- Link layer Discovery Protocol
- Trivial File Transfer Protocol (TFTP)

## 05. Cabling

- Straight Cable
- Crossover Cable
- and Rollover Cable

## 06. Network Reference Model

- OSI
- TCP

## 07. Switching Function

- Spanning Tree Protocol
- Rapid Spanning Tree Protocol
- Virtual Local Area Network

- Trunking Protocol
- Inter Vlan Routing
- Router on a stick
- Inter vlan Routing with MLS

## 08. Switching Advance Functions

- Extended vlan
- Native Vlan
- Voice Vlan
- Vlan Trunking Protocol
- Etherchannel
- SSH Configuration
- Port Security

## 09. Routing

- IGP & EGP
- Class full & Classless routing protocol
- Static Routing
- Dynamic Routing Protocol
- Open Shortest Path First
- Static Routing IPv6
- OSPFv3

## 10. Security

- Access Control List
- Network Address Translation
- First Hop Redundancy Protocol
- Quality of Service
- VPN

## 11. Wireless Concept

- Dynamic Host Configuration Protocol

## 12. Simple Network Management Protocol

- AAA • LAN • WAN



Course code :

## PARTICIPANTS DETAILS

☐ MR. ☐ MS. FIRST NAME: \_\_\_\_\_ LAST NAME: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_ JOB TITLE : \_\_\_\_\_  
 COUNTRY: \_\_\_\_\_ CITY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ PO BOX: \_\_\_\_\_  
 MOBILE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

## COMPANY DETAILS

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## COURSE STARTING DATE

DAY MONTH YEAR

For course dates contact Us or see courses calendar on [www.atnedu.lk](http://www.atnedu.lk)

## YOU CAN REGISTER BY

+94 11 4 848481

[www.atnedu.lk](http://www.atnedu.lk)

#ATNCAMPUS

## IN - HOUSE AND LIVE ONLINE

If you are interested in conducting this Training course at a location of your choice or Online, you can contact us, and we will create A unique in-house or online training solution

PAYMENT OPTIONS	APPLICATION FEE	REGISTRATION FEE	MONTHLY TUITION FEE
INSTALLMENT PAYMENT	5000 LKR	18,000 LKR	18,000 × 3 MONTHS
ONE TIME PAYMENT	5000 LKR	59,000 LKR	N/A

## SPECIAL OFFER

**2+20%** Discount

(BOOK TWO SEATS GET 20% OFF ON FOR 3RD REGISTRATION)

FOR THIS AND OTHER DISCOUNTS CONTACT US

**(WITH 58% CCNA VOUCHER – APPROX. VALUE LKR 53,000)**

## LIVE ONLINE TRAINING FEES

INTERACTIVE ONLINE TRAINING SAME FEES

### TERMS & CONDITIONS

1. We reserve the right to modify the course topic or its date or location.
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3. Only one type of discount can be applied at a time to the same course.
4. All ATN Campus bank account details will be provided on the invoice.
5. Payment can be made via bank transfer, credit card or cheque to ATN Campus.
6. Your registration will be fully valid only after the payment has been received in full.
7. The regular, special and early bird courses fees exclude the applicable 5% VAT.

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SIGNATURE: \_\_\_\_\_