

# COURSE GUIDE

## 2026

ADVANCE DIPLOMA IN NETWORKING  
& CYBER SECURITY  
(CCNA + CEH + JOB TRAINING)



Route to the IT World



EC-COUNCIL



C|EH V13



## ■ DESCRIPTION

This comprehensive programme is designed for individuals seeking a professional career in the rapidly growing field of Network and Cyber Security. The course equips learners with advanced technical skills and practical knowledge required to protect, manage, and secure modern IT infrastructures and covers the theoretical knowledge. By enrolling in this programme, students gain a competitive edge in the job market through in-depth exposure to network architecture, cyber threats, ethical hacking techniques, and security management practices. The curriculum is carefully structured to provide a strong foundation in advanced networking, cyber defence strategies, ethical hacking methodologies, and security tools, aligned with current industry standards. Learners will develop hands-on expertise to identify vulnerabilities, implement security solutions, and respond effectively to cyber threats.

## WHAT ARE THE BENEFITS IN STUDYING ADVANCE DIPLOMA AT ATN?

1. **Enhanced Career Opportunities:** Advance Diploma will open up a wide range of career opportunities in the field of Cyber Security & Network Technology, including positions such as Cyber Security Analyst, Network Administrator, Information Security Manager, and many more.
2. **Competitive Advantage:** Having two certifications in Cyber Security & Network Technology gives you a competitive advantage over other job seekers who only have one certification.
3. **Comprehensive Knowledge:** The Advance Diploma program provides a comprehensive understanding of both Cyber Security & Network Technology, allowing you to develop a broad range of skills and knowledge in both areas.
4. **Practical Skills:** Our program is designed to provide you with hands-on, practical experience in the latest tools and technologies used in Cyber Security & Network Technology.
5. **Job Guaranteed Letter:** We are confident in the quality of our program and the skills you will gain, and we offer a Job Guaranteed Letter upon completion of the program. This means that you will have the confidence of knowing that you will have a job waiting for you upon graduation.

## COURSE CERTIFICATE



### ABE UK

We are accredited and affiliated with the Association of Business Executives (ABE), UK, an internationally recognized, Ofqual-regulated awarding body. This affiliation ensures our Advance diploma program meet international quality standards and enables learners to gain globally recognised business qualifications that support career advancement and progression to higher education.



### 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.

## EC-COUNCIL

### Certified Ethical Hacking - C|EH

This certification is for ethical hacking in cyber security field. Student has to purchase this separately to do the exam from EC-Council. It will help the to become a C|EH.



### KHDA

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

## COURSE DETAILS

Course Name	Advance Diploma in Networking & Cyber Security
Duration	12 Months
Classes / hours per week	1 Class / 4 hours
Language	English / Hindi / Sinhala / Tamil / Malayalam
Certificate	ABE UK, KHDA, Cisco & EC-Council
Class Mode	Online / In-Person
Practical Training	Yes Available

## PREREQUISITES

- You will receive a pre-course questionnaire, which should be completed and sent to us. It will help us.
- Adjust the course to your needs.
- It is recommended to have secondary education.

## WHO SHOULD ATTEND

- IT Students
- 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.



## ■ WHAT IS CYBER SECURITY?

Cyber security is the practice of defending computers, servers, mobile devices, electronic systems, networks, and data from malicious attacks. It's also known as information technology security or electronic information security. Organizations transmit sensitive data across networks and to other devices while doing business, and cyber security describes the discipline dedicated to protecting that information and the systems used to process or store it.

Cyber security is simply protecting critical computer systems and the sensitive information they contain from cyber-attacks. There are many cyber securities works as one to protect an organization such as

- Network security
- Application security
- Endpoint security including Internet of Things (IoT) security.
- Data security
- Identity and access management (IAM)
- Database and infrastructure security
- Cloud and mobile device security
- Disaster recovery and business continuity planning

## ■ WHY CYBER SECURITY IS A GOOD PATHWAY TO CHOOSE FOR ANY STUDENT?

1. **High Demand:** Cyber Security is a rapidly growing field, and there is a high demand for skilled professionals.
2. **Job Security:** With the increasing reliance on technology, the need for Cyber Security professionals is growing, ensuring job security for those with the right skills.
3. **Challenging and Rewarding:** Cyber Security is a challenging and rewarding field that allows you to use your problem-solving skills to protect organizations from cyber-attacks.

## ■ WHAT IS NETWORKING?

- A network consists of two or more computers that are linked in order to share resources. The computers on a network such as through cables, Telephones lines and etc.
- Networking consists of 04 modules which are CCENT, CCNA, CCNP And CCIE.
- Networking is used by professionals to widen their circles of acquaintances.

## ■ BENEFITS OF STUDYING NETWORK TECHNOLOGY

1. High Demand: Network Technology is an essential aspect of modern businesses and is in high demand.
2. Career Opportunities: There are a wide range of career opportunities available in Network Technology, including positions such as Network Administrator, Network Engineer, and IT Support Specialist.
3. Essential Skills: The skills you learn in Network Technology are essential for any IT professional, giving you a competitive edge in the job market.

### **Part-Time Classes:**

Our program offers flexible part-time classes, allowing you to study while maintaining your work or personal commitments.

### **Industrial Job Training:**

We provide industrial job training as a part of our Dual Qualification program, giving you the opportunity to gain hands-on experience in real-world settings. This will help you build practical skills and increase your chances of securing employment after graduation.

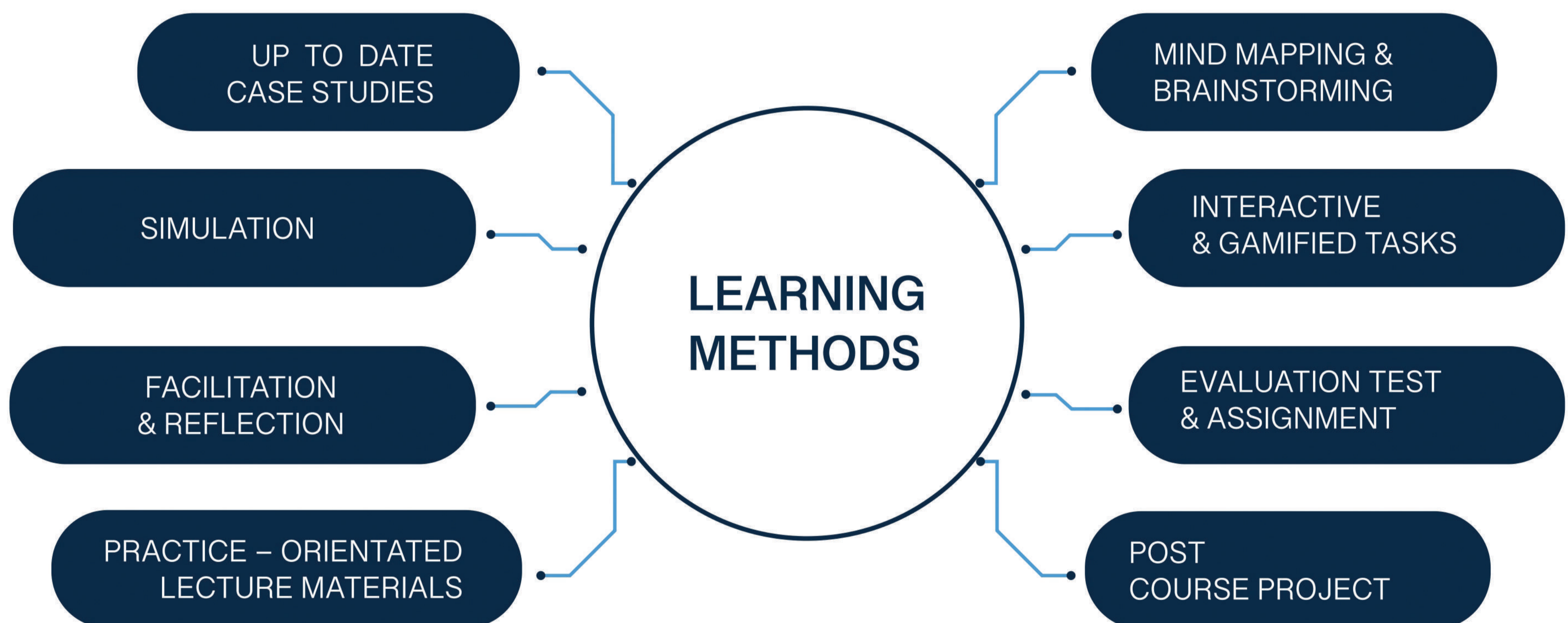
### **Benefits of IT Professional Certification:**

IT Professional Certification validates your expertise in a specific area of IT, providing validation for your skills and knowledge. This can lead to increased job opportunities and higher salaries.

## Job Confirmation Letter:

Upon course registration, we provide a Job Confirmation Letter, ensuring you have the confidence of knowing that you will have a job waiting for you upon graduation.

In conclusion, our Dual Qualification program in Cyber Security & Network Technology offers numerous benefits, including high demand, job security, career opportunities, essential skills, industrial job training, and a Dubai KHDA Attested Certification. With our flexible part-time classes and a Job Confirmation Letter upon registration, this program is the perfect choice for those who want to enhance their IT skills and advance their careers.



**VENUE - ATN CAMPUS AL BARSHA**

**Address : No 606 Al zarooni building - Al Barsha 1 - Dubai**

# ■ 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

## ■ CERTIFIED ETHICAL HACKER V13

- INTRODUCTION TO ETHICAL HACKING & FOOT PRINTING AND RECONNAISSANCE TECHNIQUES
- SCANNING NETWORKS & ENUMERATION
- VULNERABILITY ANALYSIS & SYSTEM HACKING
- MALWARE THREATS, SNIFFING
- SOCIAL ENGINEERING
- DENIAL-OF-SERVICE & SESSION HIJACKING
- EVADING IDS, FIREWALLS, AND HONEYPOTS
- HACKING WEB SERVERS & WEB APPLICATIONS, SQL INJECTION
- HACKING WIRELESS NETWORKS
- CRYPTOGRAPHY
- HACKING MOBILE PLATFORMS

# C | E H V13

# ADVANCE DIPLOMA



Course code :

## PARTICIPANTS DETAILS

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

## COMPANY DETAILS

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

## COURSE STARTING DATE

DAY — MONTH — YEAR

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

## YOU CAN REGISTER BY

☎ 042562856

🌐 [www.atnedu.ae](http://www.atnedu.ae)

📱 #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	TOTAL FEE
INSTALLMENT PAYMENT	300 AED	2500 AED	10,000 × 10 MONTHS	12,500 AED
ONE TIME PAYMENT	300 AED	N/A	N/A	ONE TIME PAYMENT 9900 AED

\* 300 AED APPLICATION FEE IS SEPARATE WHICH IS NOT INCLUDED IN THE COURSE FEE TOTAL

## SPECIAL OFFER

**2+20%** Discount

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

FOR THIS AND OTHER DISCOUNTS CONTACT US

## LIVE ONLINE TRAINING FEES (3 DAYS)

### TERMS & CONDITIONS

1. We reserve the right to modify the course topic or its date or location.
2. We reserve the right to modify the course topic or its date or location.
3. Only one type of discount can be applied at a time to the same course.
4. All Atton Institute bank account details will be provided on the invoice.
5. Payment can be made via bank transfer, credit card or cheque to Atton insitute.
6. Your registration will be fully vaild 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: \_\_\_\_\_