

COURSE GUIDE

2026

ADVANCE DIPLOMA +
BSC OF COMPUTER SCIENCE (HONS)
(NETWORK TECHNOLOGY & CYBERSECURITY) - (FINAL YEAR)



Route to the IT World



EC-COUNCIL



C|EH V13



■ DESCRIPTION

This program is designed for students aiming to build a strong foundation in network technology and cyber security, making it the perfect entry point for those seeking a Bachelor of Science degree in the field. Students will not only acquire comprehensive academic knowledge but also gain practical, hands-on skills through industry-relevant coursework. The program equips students with both theoretical understanding and professional expertise, ensuring they are well-prepared for the competitive job market in network technology and cyber security.

As part of this program, students will receive four professional certifications in addition to their degree, enhancing their employability and providing a solid framework for career growth in this high-demand industry. These certifications will give students an edge in understanding key aspects of network infrastructure, cyber defense strategies, and emerging technologies.

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 ADVANCE DIPLOMA + BSC 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.

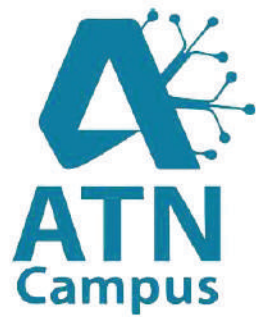
10. Practical Application of Knowledge:

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	Advance Diploma + BSc
Duration	24 Months
Class	One Day Class Per Week / 4 Hours
Language	English / Sinhala / Tamil
Certificate	TVEC, Cisco, ABE UK & EC-COUNCIL
Class Mode	Online / In-Person
Practical Training	Yes Available

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 + BSc 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.



TVEC

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.

■ PREREQUISITES

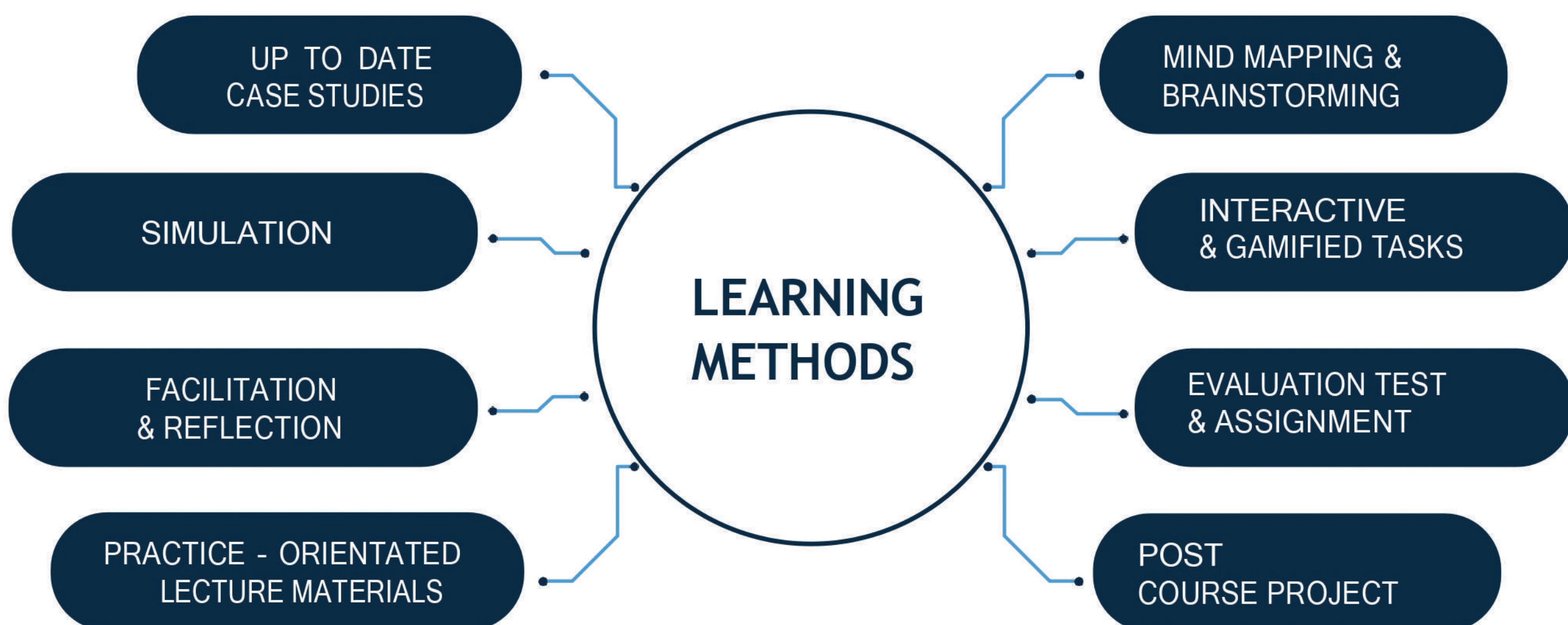
- 6 passes for O/L
- 2 Passes for A/L (compulsory)

■ 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)
- Subletting
- 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|EH V13

What is C|EH® v13?

The Certified Ethical Hacker has been battle-hardened over the last 20 years, creating hundreds of thousands of Certified Ethical Hackers employed by top companies, militaries, and governments worldwide.

In its 13th version, the Certified Ethical Hacker provides comprehensive training, hands-on learning labs, practice cyber ranges for engagement, certification assessments, cyber competitions, and opportunities for continuous learning into one comprehensive program curated through our new learning framework: 1. Learn 2. Certify 3. Engage 4. Compete.



The C|EH v13 also equips aspiring cybersecurity professionals with the tactics, techniques, and procedures (TTPs) to build ethical hackers who can uncover weaknesses in nearly any type of target system before cybercriminals do.

BSC (HONS) NETWORK TECHNOLOGY & CYBER SECURITY MODULES

YEAR 02 (FINAL YEAR TOP-UP DEGREE)

SEMESTER 1

- Digital Electronics & Logic Design
- Computer organization.
- Database management system
- Microsoft Windows Server 2008

SEMESTER 2

- Advanced Computer Architecture
- Data communication and Networking System Analysis & Design
- Cyber Security Management
- Cyber Security Law & Policy Analysis

SEMESTER 3

- Linux Administration
- Computer Network
- Advance Switching Technology and troubleshooting
- Advance Routing Technology

SEMESTER 4

- Final Year Project



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.lk

YOU CAN REGISTER BY

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www.atnedu.lk

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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 PLAN	APPLICATION FEE	UNIVERSITY FEE	MONTHLY TUITION FEE
PAYMENT PLAN 01	25,000 LKR	1000 USD	20,000 × 20 MONTHS
SEMESTER EXAMINATION FEE (6 MONTH) USD 500		SEMESTER EXAMINATION FEE (12 MONTH) USD 500	

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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.
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 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: _____