



G-TEC EDUCATION

— G-TEC Group of Institutions —

www.gteceducation.com

HARDWARE AND NETWORKING



**G-TEC
HARDWARE &
NETWORKING**

LEVELS OF CAREERS



SYSTEM



NETWORKING



SECURITY





G-TEC
HARDWARE &
NETWORKING



We Provide . .

Master Courses

Certificate Courses



MASTER COURSES



HONOURS DIPLOMA IN COMPUTER HARDWARE AND NETWORKING
(HDCHN)

G-TEC CERTIFIED HARDWARE AND NETWORK ENGINEER
(GHNE)



G-TEC
HARDWARE &
NETWORKING

CERTIFICATE COURSES



CERTIFICATE COURSE IN COMPUTER HARDWARE (CCH)

CERTIFICATE COURSE IN COMPUTER HARDWARE AND NETWORKING (CCHN)

G-TEC CLOUD COMPUTING SPECIALIST (GCCS)

Wi-Fi ADMINISTRATOR





Certificate Courses

DIPLOMA IN CCTV AND SECURITY SYSTEMS (DCSS)

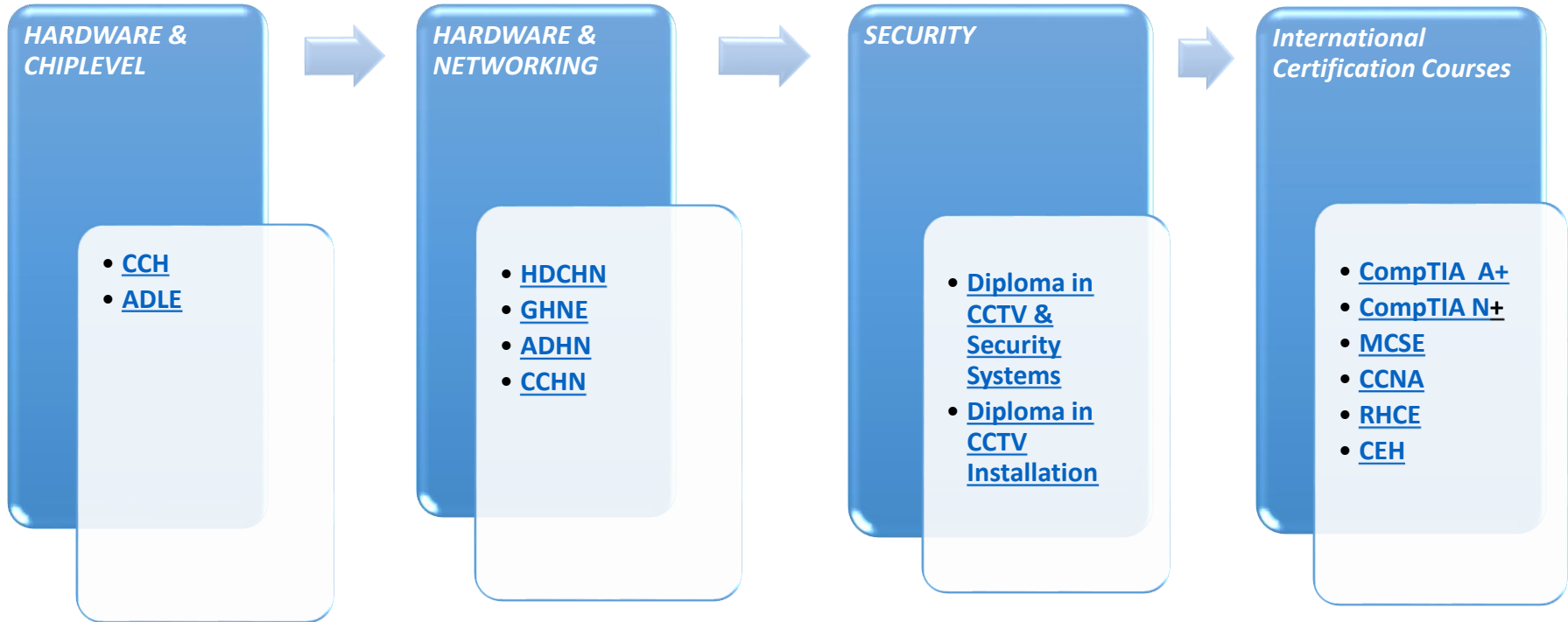
COURSE DURATION 108 HOURS/3 MONTHS

DIPLOMA IN CCTV INSTALLATION (DCI)

COURSE DURATION 72 HOURS/2 MONTHS



LEVELS OF COURSES





CERTIFICATE COURSE IN COMPUTER HARDWARE (CCH)

COURSE DURATION 144 HOURS/4 MONTHS

Objective

This course supported by a wide range of hands-on practical and will teach newcomers the essentials of installing and troubleshooting all types of PC hardware.

COURSE MODULE:

- ❖ Basic and Digital Electronics
- ❖ Hardware and Installation





ADVANCED DIPLOMA IN DESKTOP AND LAPTOP CHIP LEVEL ENGINEERING

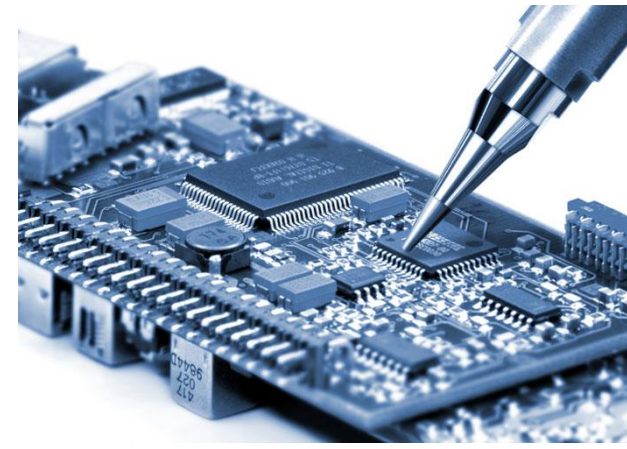
COURSE DURATION 108 HOURS/3 MONTHS

OBJECTIVE

Advanced diploma in desktop and laptop chip level engineering course offer create, develop a person with confidence, skill & expertise in laptop & desktop service industry. The students get both theory and practical lab experience.

Modules

- **Electronics**
- **Computer Hardware**
- **Networking**
- **Desktop Motherboard Chip Level Servicing**
- **Laptop Chip Level Servicing**



HONOURS DIPLOMA IN COMPUTER HARDWARE AND NETWORK



Course Duration 432 Hours/12 Months

OBJECTIVE

One year course to ensure a dazzling career in the hardware and networking sector. The course gives emphasis on practical knowledge and gives the student a detailed overview on the Computer basics, Internet, Basic and Digital Electronics, Hardware and Networking concepts.

Modules:

- Basic and Digital Electronics
- Windows
- Linux and MS-Office
- A+ Syllabus
- N+ Syllabus
- Installation, Maintenance and Troubleshooting
- Windows Server Administration
- Practice and Personal Skills Development



G-TEC CERTIFIED HARDWARE AND NETWORK ENGINEER



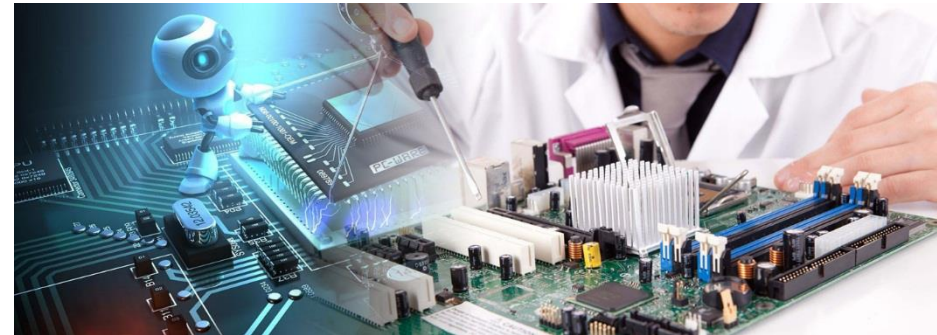
Course Duration 432 Hours/12 Months

OBJECTIVE

G-TEC Tailored this course to build internationally recognized Professional certified with Microsoft, CompTIA and Cisco. GHNE certification training program is trusted across the world and our certification training helps you further your professional development.

MODULES

- **COMPTIA A+ Syllabus**
- **COMPTIA N+ Syllabus**
- **MCSA AND LINUX NETWORKING Syllabus**
- **CCNA AND WIRELESS NETWORKING Syllabus**



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ADVANCED DIPLOMA IN HARDWARE AND NETWORKING

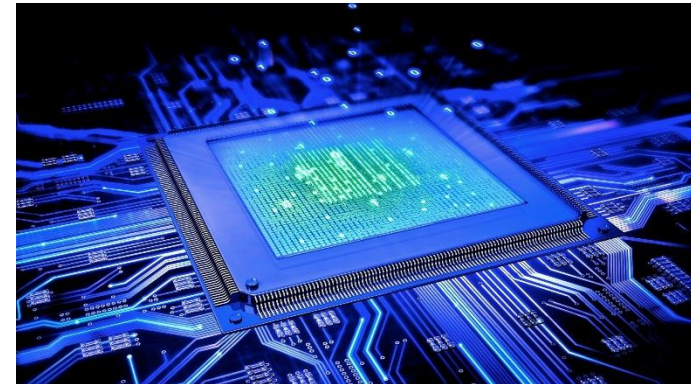
Duration 108 Hours/3 Months

OBJECTIVE

Three month course to generate quality manpower for computer hardware maintenance and networking_ensure a dazzling career in the hardware and networking sector. The course gives emphasis on practical knowledge and gives the student a detailed advanced overview on the Computer basics, Internet, Basic and Digital Electronics, Hardware and Networking concepts. Getting into engineering career requires a strong background in computers and networking.

Modules

- Computer Hardware
- Networking
- MCSE syllabus
- CCNA syllabus



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CERTIFICATE COURSE IN COMPUTER HARDWARE AND NETWORKING



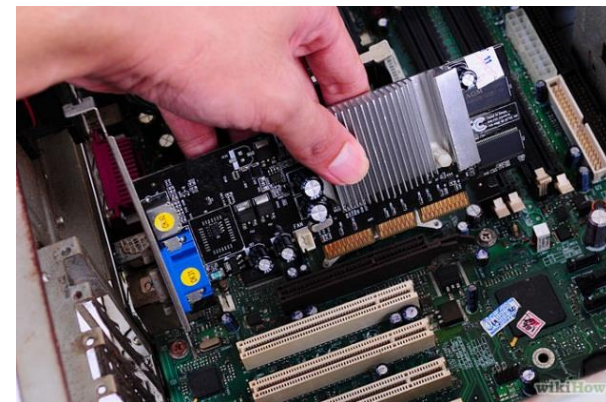
Course Duration 108 Hours/3 Months

OBJECTIVE:

This course will teach newcomers the essentials of installing and troubleshooting all types of PC hardware. On completion of the course, participants will be able to: install and configure PC hardware and system components, understand the basics of peripherals and local area networking(LAN) and , support and troubleshoot PC hardware, software and peripherals and have a good understanding of customer service techniques.

Modules:

- Hardware and Installation
- Networking
- Troubleshooting





Diploma in CCTV & Security Systems

Course Duration 108 Hours/3 Months

OBJECTIVE

Understand the fundamental elements that make up a CCTV and Security Systems. Be aware of the issues associated with lighting and scene illumination. Have an awareness of the changing technology and its impact on the industry. Identification of malicious activity. Understand the way in which a large fire alarm system would be connected and zoned. Identify the advantages and disadvantages of the various types of detectors, beacons and sounders used in fire alarm systems.

Modules:

- CCTV System
- Access Controller
- Intrusion alarm
- Fire alarm





Diploma in CCTV installation

Course Duration 72 Hours/2 Months

OBJECTIVE:

With recent major technological advances ensuring that CCTV continues to play a major role worldwide in helping to combat criminal and terrorist activity, it is not surprising that our CCTV training courses continue to be extremely popular. Our combination of classroom theory and 'hands-on' practical CCTV training courses will provide you with a comprehensive understanding of the very latest advancements in CCTV technology. Our CCTV training courses cover the entire CCTV system planning and design process as well as the specification, installation, set up and maintenance of key system components such as cameras, lenses, DVR, NVRS and cabling.

Modules:

- Computer hardware
- CCTV Installation



INTERNATIONAL CERTIFICATE COURSES



Microsoft



EC-Council

CompTIA
Get IT Certified

The Cisco logo graphic, consisting of seven vertical bars of varying heights in a dark blue color.
CISCOTM



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CompTIA

CompTIA A+ Certification



CompTIA N+ Certification



CompTIA A+ CERTIFICATION COURSE



COURSE DURATION 108 HOURS/3 MONTHS

OBJECTIVE

The CompTIA A+ certification is the industry standard for computer support engineers. The international, vendor-neutral certification proves competence in areas such as installation, preventative maintenance, networking, security and troubleshooting. CompTIA A+ is recognized worldwide as a trusted indicator of qualified and competent professionals in the IT industry. For entry-level IT professionals, the CompTIA A+ exam covers preventative maintenance, basic networking, installation, troubleshooting, communication and professionalism.

Module:

- PC Technician Essentials
- PC Anatomy, Motherboards, Processors, and Adapter Cards
- BIOS, Power Supplies and System Cooling
- RAM, I /O and Multimedia Ports and Devices
- Video Displays and Graphics Cards, Laptops and Portable Devices
- Security, Printers, Storage Devices, Using and Managing Windows
- Installing and Upgrading Windows Operating Systems
- Troubleshooting and Maintaining Windows
- Networking, Safety and Environmental Issues
- Troubleshooting and Communications Methods and Professional Behavior



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CompTIA N+ CERTIFICATION COURSE



COURSE DURATION 108 HOURS/3 MONTHS

OBJECTIVE

CompTIA N+ course serves as a general introduction to computer networking including local and wide area network technology. CompTIA N+ covers the areas of network architecture, topologies, protocols especially TCP/IP, network operating systems, network installation, upgrading, troubleshooting, managing user accounts and passwords, network securities, remote access and administration, and fault tolerance and disaster recovery. Network+ certification is designed to be foundation from which people can move onward and upward with vendor specific more difficult specifications. Before it, people entering the networking field had to immediately choose between going for one of those major certifications or the other.

Modules:

- Introduction to Networks
- The Open Systems Interconnection Specifications
- Networking Topologies, Connectors, The Current Ethernet Specifications
- Networking Devices ,Introduction to Internet Protocol (IP)
- IP Addressing, IP Subnetting, Troubleshooting IP and Introduction to NAT
- Introduction to IP Routing ,Routing Protocols, Switching and Virtual LANs (VLANs)
- Wireless Technologies, Authentication and Access Control
- Network Threats and Mitigation, Physical and Hardware Security
- Wide Area Networks, Command-Line Tools
- Software and Hardware Tools, Network Troubleshooting
- Management, Monitoring, and Optimization



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Microsoft



Microsoft Certifications are available for most Microsoft technologies and skill levels from students to IT professionals.

Courses

- MICROSOFT CERTIFIED PROFESSIONAL(MCP)
- MICROSOFT CERTIFIED SOLUTIONS ASSOCIATE (MCSA)
- MICROSOFT CERTIFIED SOLUTIONS EXPERT (MCSE)
- MCSE - DATA PLATFORM
- MCSE - BUSINESS INTELLIGENCE





The demand for Cisco skills is absolutely growing and it's growing faster than the overall demand for tech professionals. Cisco certification is one of the most valued and respected certifications available in the information technology world.

Courses

CCNA (Cisco Certified Network Associate)

CCNP (Cisco Certified Network Professional)

CCNA - S (Security)

CCVP (Cisco Certified Network Professional Voice)





redhat.®

**CERTIFIED
ENGINEER**



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An RHCE is capable of RHCSA tasks plus the following:

- **Configuring static routes, packet filtering, and network address translation**
- **Setting kernel runtime parameters**
- **Configuring an Internet Small Computer System Interface (iSCSI) initiator**
- **Producing and delivering reports on system utilization**
- **Using shell scripting to automate system maintenance tasks**
- **Configuring system logging, including remote logging**
- **Configuring a system to provide networking services, including HTTP/HTTPS, File Transfer Protocol (FTP), network file system (NFS), server message block (SMB), Simple Mail Transfer Protocol (SMTP), secure shell (SSH) and Network Time Protocol (NTP)**





EC-Council

International Council for Electronic Commerce Consultants

<http://www.eccouncil.org>



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Certified Secure Computer User



C | SCU
Certified Secure Computer User

CERTIFIED SECURED COMPUTER USER

The purpose of the CSCU training program is to provide individuals with the necessary knowledge and skills to protect their information assets. This class will immerse students into an interactive environment where they will acquire a fundamental understanding of various computer and network security threats such as identity theft, credit card fraud, online banking phishing scams, virus and backdoors, emails hoaxes, sex offenders lurking online, loss of confidential information, hacking attacks and social engineering. More importantly, the skills learned from the class helps students take the necessary steps to mitigate their security exposure



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Social Engineering

Malware Threats

Cryptography

IoT Hacking

C | E H
Certified Ethical Hacker v10

Vulnerability Analysis

Session Hijacking and a LOT MORE

Hackers are here. Where are you?



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CERTIFIED ETHICAL HACKER



A Certified Ethical Hacker is a skilled professional who understands and knows how to look for weaknesses and vulnerabilities in target systems and uses the same knowledge and tools as a malicious hacker, but in a lawful and legitimate manner to assess the security posture of a target system(s). The CEH credential certifies individuals in the specific network security discipline of Ethical Hacking from a vendor-neutral perspective.

Course Duration - 40 hours: lectures and labs

Trainer - Certified EC-Council Instructor



EC-Council



Exit Profile



- ❖ Technical Support
- ❖ System Engineer/Administrator
- ❖ Hardware Engineer/Architect
- ❖ Network (Service) Technician
- ❖ Network Administrator
- ❖ Network Engineer
- ❖ Network Programmer/Analyst
- ❖ Network/IT Manager
- ❖ Security Specialist
- ❖ Database Administrator
- ❖ Cisco Engineer
- ❖ Microsoft Engineer
- ❖ CCTV Technician
- ❖ Service Technician





HELP AND INFORMATION

Contact:

SAJI MATHEW

Project Coordinator

Hardware and Networking

Admin Office



“If you want to shine like a sun, first burn like a sun .”

Dr. A P J ABDUL KALAM

Thank You

Happy Computing



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