

TOTAL COMPUTER HARDWARE SOLUTION Training Program



A+ is a solid certification that is a career door opener and the industry standard for entry-level computer technicians.

Earning CompTIA A+ certification proves a candidate has a broad base of knowledge and competency in core hardware and operating system technologies, including installation, configuration, diagnosing, preventive maintenance and basic networking.

This Program is ideally suited to following individuals who are:

- **Managers, Students, & Fresh Graduates**
- **Using their own computers or Laptops**
- **Who want to be good and reputable jobs in the market and are like to enhance their skills in computer hardware & Networking.**

Program is offered by: 3D Educators – Trainers & Consultants

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3D EDUCATORS

TRAINERS & CONSULTANTS

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CAMPUS II

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Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

Number of classes in a week	Two Class Per Week
Duration of each class	2-Hour

Other Learning Activities:

Classroom Assignments	2
Presentations by Trainees	1

About the Program Designer & Instructor

- ✓ The “Total Computer Hardware Solutions” Program has been designed by the Dr. M. S. Waqar where the program is also covers the international certification contents of A+.

They trainers are foreign qualified and having the degree & certification of Ph.D, MBA, MSc.

As Consultant & Senior Trainers the team of trainers from Engineering side we **3D Educators – Trainers & Consultants** would not compromise on the faculty.

Program Syllabus

TOTAL COMPUTER HARDWARE SOLUTIONS (TCHS)

Equivalent to the preparation of A+ certification for the core technologies.

- **Installation, Configuration, and Upgrading:**
 - Basic Terms, Concepts, and function of system modules.
 - IRQs, DMAs, I/O, Ports, Addresses.
 - Buses, Connectors.
 - Hard disk (IDE, EIDE, SCSI etc).
 - Installation of Peripherals and configuring them.
 - Handling of Synthetic and Effective tools.
 - Configuration of BIOS.
 - System Optimization.

- **Diagnosing and Troubleshooting:**
 - Common symptoms and problems.
 - Common Associate problems.

- **Safety and Preventive Maintenance:**
 - Various types of preventive maintenance products and procedures.
 - Software procedures and hard ware devices.
 - Potential hazards and proper safety procedures.
 - Items that require special disposal procedures.
 - Electronic Discharge (ESD).

- **Mother board/Processor/Memory:**
 - Popular CPU and Basic Characteristics.
 - Categories, problems of RAM and physical Properties.
 - Popular Mother Boards, Architectures and Power Distribution.
 - Purpose of CMOS.

- **Printers:**
 - Printer operations, Care and service techniques, connection and configuration.

- **Portable Systems:**
 - Unique components of portable systems and their unique problem and configuration.

- **Basic Networking:**
 - Networking Concepts
 - Procedures for Swapping and configuring NIC.
 - Identify the ramification of repairs on the network.

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