

Indus IT Training

A+ Certification Training Course Curriculum

Duration: Six Weekends/ Sat or Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm

A + Certification Program

Session -1

Getting Started

- ✚ Introductions
- ✚ Course Objectives
- ✚ Course Delivery Strategy
- ✚ Test Preparation Strategy

1. Overview - Role of PC Technician

- Certification Requirements
- Importance of Certification
- Exercises

2. Personal & Safety Guidelines

- ✓ Presentation
- ✓ Communication
- ✓ Safety & Tools
- ✓ Exercises

3. The Anatomy of a PC

- ❖ Historical Overview
- ❖ Functional Overview
- ❖ PC Internals
- ❖ Exercises

Location: 1033 Sterling Road, Ste. 204, Herndon-VA-20170. USA.

Ph: 703-574-3268 Ext: 7019 / Fax: 703-935-8849 / training@industraining.net

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4. Windows Operating System

- ✚ Overview and Evolution
- ✚ Types of Windows OS
- ✚ OS Components
- ✚ General Administrative Controls
- ✚ Next Gen OS
- ✚ Exercises

5. Microprocessor

- ✓ Evolution of the Microprocessor
- ✓ Core Components
- ✓ Memory Overview
- ✓ Modern CPUs
- ✓ Exercises

6. RAM

- Conceptual Overview
- Types of RAM
- Installation and Optimization
- Exercises

7. BIOS

- ✓ Conceptual Overview
- ✓ Role & Function of the BIOS
- ✓ Exercises

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Session – 2

8. Expansion Bus

- + Conceptual & Functional Overview
- + Types of Expansion Buses
- + System Resources
- + Usage and Troubleshooting of the Expansion Bus
- + Exercises

9. Motherboards

- o Role & Function of the Motherboard
- o Motherboard Components
- o Installing and Troubleshooting Motherboards
- o Modern Motherboards
- o Exercises

10. Power Supplies

- ✓ Overview of Power Requirements
- ✓ Installing & Troubleshooting
- ✓ Types of Power Supplies
- ✓ Exercises

11. Hard Drives

- Overview of Hard Drives

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- Types of Hard Drives
- RAID Technologies
- Installing & Troubleshooting
- Exercises

12. Hard Drive Utilization

- ✚ Partitioning & Formatting
- ✚ Maintenance & Troubleshooting
- ✚ Exercises

13. Removable Media

- ✓ Types of Removable Media
- ✓ Troubleshooting Removable Media
- ✓ Exercises

14. Installing & Upgrading Windows

- Preparation
- Installation
- Support & Troubleshooting
- Exercises

15. Command Line Interface

- Usage & Syntax
- Utilities
- Exercises

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Session – 3

16. Windows Security

- ✚ Authentication & Authorization
- ✚ Sharing Resources
- ✚ Exercises

17. Windows Maintenance & Troubleshooting

- ✓ Maintenance Tasks
- ✓ Optimization Techniques
- ✓ Troubleshooting Windows
- ✓ Exercises

18. I/O Options

- ❖ I/O Ports
- ❖ I/O Devices
- ❖ Exercises

19. Video

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- Basics of Displays
- Types of Displays
- Video Cards Installation & Support
- Exercises

20. Multimedia

- ✓ Multimedia Components
- ✓ Support & Troubleshooting
- ✓ Exercises

21. Portable Computers

- ❖ Device Type & Usage
- ❖ Support & Maintenance of Portable Computers
- ❖ Exercises

22. Printers

- Printer Technologies Overview
- Printing Process
- Installing & Troubleshooting Printers
- Exercises

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Session – 4

23. LAN

- ❖ Networking Technologies & Concepts
- ❖ Network Operating System
- ❖ Wired Networks – Installation & Troubleshooting
- ❖ Exercises

24. Wireless Networking

- ✚ Conceptual Overview
- ✚ Components & Standards
- ✚ Installing, Configuring & Troubleshooting Wireless Networks
- ✚ Exercises

25. The Internet

- ✓ Conceptual Overview
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- ✓ Connecting to the Internet
- ✓ Tools
- ✓ VPNs
- ✓ Modern Applications
- ✓ Exercises

26. Computer Security

- Types of Security Threats
- Security Approach
- Network Security
- Exercises

27. Course Wrap-Up

- Troubleshooting Approach
- Troubleshooting Tools
- Exercises

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