

IT Essentials

IT Essentials: PC Hardware and Software

Course Description:

IT Essentials: PC Hardware and Software v4.0 covers the fundamentals of computer hardware and software as well as advanced concepts. Students who complete this course will be able to describe the internal components of a computer, assemble a computer system, install an operating system, and troubleshoot using system tools and diagnostic software. Students will also be able to connect to the Internet and share resources in a network environment. New topics included in this version include laptops and portable devices, wireless connectivity, security, safety and environmental issues, and communication skills.

Hands-on lab activities are an essential element of the course. In support of this, virtual learning tools are integrated into this course. The Virtual Laptop and Virtual Desktop are stand-alone tools designed to supplement classroom learning and provide an interactive "hands-on" experience in learning environments with limited physical equipment.

PC Hardware and Software is divided into two sections. The first section provides foundational knowledge that aligns with the CompTIA A+ Essentials exam, while the second section explores advanced concepts in greater depth and provides opportunities for practical application.

Chapters 1–10 cover the following skills and competencies:

- Core competencies in the latest hardware and software technologies
- Information security skills
- Safety and environmental issues
- Soft skills for career development

Chapters 11–16 cover the following skills and competencies:

- Advanced troubleshooting skills
- Prepares for all three CompTIA job environments certification exams
- Advanced installation of computers, peripheral devices, networks and security components

Industry Recognized Certification

As a CompTIA Authorized Quality Curriculum, PC Hardware and Software v4.0 will help prepare students for the new CompTIA A+ Essentials and job-skills certification exams. Students will need to pass two exams to become certified in their chosen career area:

- CompTIA A+ Essentials (220-601)
- Any of the three job-skills exams:
 - 220-602: IT Technician
 - 220-603: Remote Support Technician
 - 220-604: Depot Technician

After becoming certified, students will be qualified to work as computer support professionals and technicians in a variety of work environments and industries.

IT Essentials II: Network Operating Systems

Course Description:

IT Essentials II: Network Operating Systems is an intensive introduction to multi-user, multi-tasking network operating systems. Characteristics of the Linux, Windows 2000, NT, and XP network operating systems will be discussed. Students will explore a variety of topics including installation procedures, security issues, back up procedures and remote access. It prepares students for CompTIA Server+ and CompTIA Linux+ certification

Upon completion of [IT Essentials Network Operating Systems](#), students have an understanding of basic of Network Operating Systems including:

- Installation procedures for Linux and Windows 2000.
- Tactics for networking operating system security.
- Knowledge of network types, standards, protocols, topologies, media types, and devices.
- Operating systems backup and remote access.
- Network operating system management and optimization skills.

Training Duration:

Each of the IT Essentials Courses consists of 80 hours, usually delivered three (3) times a week on sessions of (2) hours.

Training Cost:

AUK Training and Development Institute offers different prices for morning and evening courses. The costs included the training and the Lab Manuals for each respective course.

IT ESSENTIALS	Course Price - Morning	Course Price - Evening
IT Essentials 1 -	€ 245.00	€ 295.00
IT Essentials 2 -	€ 245.00	€ 295.00
Total:	€ 490.00	€ 590.00

Class plan for academic year 09/10:

Course	Schedule	Start Date	End Date	Week Days
IT Essentials 1	19:00 - 21:00	13-Jul-09	9-Oct-09	M-W-F
IT Essentials 1	09:00 - 11:00	4-Aug-09	17-Oct-09	T-Th-S
IT Essentials 1	15:00 - 17:00	5-Oct-09	8-Jan-10	T-Th-S
IT Essentials 1	17:00 - 19:00	4-Jan-10	2-Apr-10	T-Th-S
IT Essentials 1	11:00 - 13:00	2-Feb-10	24-Apr-10	T-Th-S
IT Essentials 1	17:00 - 19:00	3-Mar-10	21-May-10	M - W - F
IT Essentials 1	09:00 - 11:00	12-Apr-10	2-Jul-10	M - W - F