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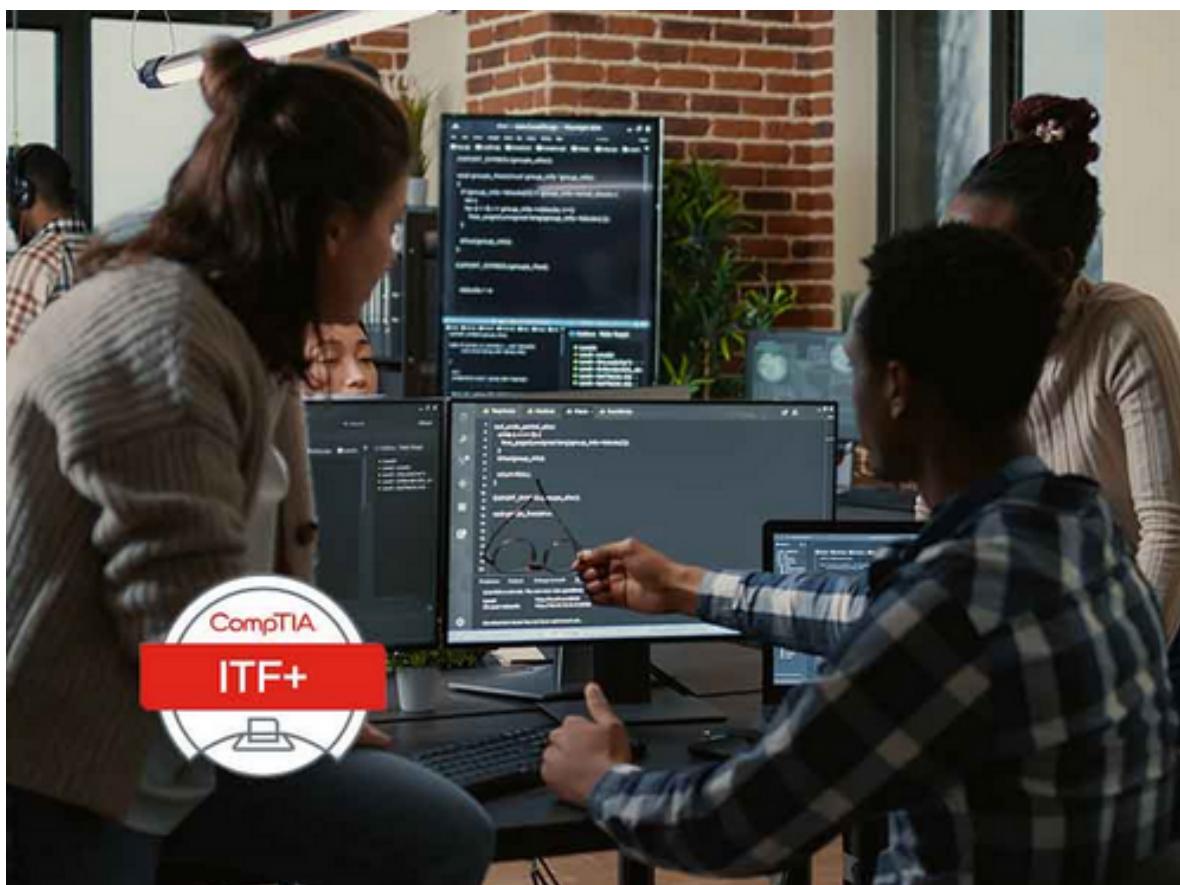
Learning Style: On Demand

Technology: CompTIA

Difficulty: Beginner

Course Duration: 6 Hours

CompTIA IT Fundamentals Course

About This Course:

QuickStart's CompTIA IT Fundamentals course caters to IT Career Pathway students. With minimal prerequisites, participants are expected to possess basic digital skills. Students learn fundamental skills needed in the IT industry. Areas of IT covered include hardware, software, programming, security, software development,

database fundamentals, and infrastructure.

This course will prepare you to take the FC0-U61 exam to obtain the IT Fundamentals+ certification and help you to learn some of the basic principles and techniques of providing PC, mobile, applications, and network support. This course covers all IT fundamentals, creating a broader understanding and a helpful on-ramp to tech career pathways

Completing this course will also help students acquire the knowledge and skills to set up and use a computer at home securely and keep it in good working order and to provide informal support for PCs and simple computer networks in a small business.

Course Objectives:

- **IT Concepts and Terminology:** Notational systems, computing basics and the value of data and troubleshooting

- **Infrastructure:** Set up and install common peripheral devices to a laptop/PC or secure a basic wireless network

- **Applications and Software:** Applications software, the various components of an operating system and the purpose of methods of application architecture

- **Software Development:** Programming language categories, logic, and the purpose of programming concepts

- **Database Fundamentals:** Database concepts, structures, and purpose, as well as methods used to interface

- **Security:** Confidentiality, integrity and availability concerns of secure devices and best practice methods

Audience:

- Students considering a career in IT.

- Professionals working in fields that require a broad understanding of IT.

- Marketing, sales and operations staff in IT-based organizations.

Prerequisites:

- CompTIA IT Fundamentals+ is aimed at those considering a career in IT and computer-related fields. There are no prerequisites for you to meet to successfully start this course, though having a High School Diploma or GED is strongly encouraged.

Course Outline:

- Module 1: Using Computers
    - Unit 1: Common Computing Devices
    - Unit 2: Using a Workstation
    - Unit 3: Using an OS
    - Unit 4: Managing an OS
    - Unit 5: Troubleshooting and Support
- Module 2: Using Apps and Databases
    - Unit 1: Using Data Types and Units
    - Unit 2: Using Apps
    - Unit 3: Programming and App Development
    - Unit 4: Using Databases
- Module 3: Using Computer Hardware
    - Unit 1: System Components
    - Unit 2: Using Device Interfaces
    - Unit 3: Using Peripheral Devices
    - Unit 4: Using Storage Devices
    - Unit 5: Using File Systems
- Module 4: Using Networks
    - Unit 1: Networking Concepts
    - Unit 2: Connecting to a Network
    - Unit 3: Secure Web Browsing
    - Unit 4: Using Shared Storage
    - Unit 5: Using Mobile Devices
- Module 5: Security Concepts
    - Unit 1: Security Concerns
    - Unit 2: Using Best Practices
    - Unit 3: Using Access Controls
    - Unit 4: Behavioral Security Concepts
- ITF+ Exam Preparation
    - 1:1 Mentor Session exam study materials provided and test preparation discussion
    - Asynchronous Activities - Student studying
    - Practice Exam Administered - required test score of 80%
    - Exam Voucher and Exam Scheduled

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