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Learning Style: On Demand

Technology: CompTIA

Difficulty: Beginner

Course Duration: 6 Hours

CompTIA Tech+



CompTIA Tech+ is the essential certification for anyone exploring a career in tech. It provides you with the foundational knowledge and hands-on skills needed to navigate today's digital world, giving you the confidence to take the first step toward a tech-related career. CompTIA Tech+ focuses on practical, real-world skills that help you understand core tech concepts, troubleshoot basic issues, and build a strong foundation for future learning and growth in the tech industry.

The average pay for IT Professional is $59,072 per year.

Course Objectives:

- Set up a computer workstation and use basic software applications
- Understand the functions and types of devices used within a computer system
- Apply basic computer maintenance and support principles
- Understand some principles of software and database development
- Configure computers and mobile devices to connect to home networks and to the internet
- Identify security issues affecting the use of computers and networks

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:

- There are no prerequisites for you to meet to successfully start this course.

Course Outline:

- Module 1: Understanding Tech Basics
    - Lesson 1.1: Use Technology Effectively
    - Lesson 1.2: Explore the Computing Cycle
    - Lesson 1.3: Recognize Computing Devices
    - Lesson 1.4: Careers in Tech
- Module 2: Data and Privacy
    - Lesson 2.1: Understand Your Data
    - Lesson 2.2: Data Privacy
    - Lesson 2.3: Passwords and Encryption
    - Lesson 2.4: Careers in Data and Privacy
- Module 3: Internet Technologies
    - Lesson 3.1: Identify Internet Basics
    - Lesson 3.2: Using a Web Browser
    - Lesson 3.3: Internet Service Providers
    - Lesson 3.4: Careers in Internet Technologies
- Module 4: Cybersecurity

    - Lesson 4.1: Basic Security Concepts
    - Lesson 4.2: Identify Common Security Threats
    - Lesson 4.3: Security Tools and Software
    - Lesson 4.4: Careers in Cybersecurity
- Module 5: Networking
    - Lesson 5.1: Binary and Other Numbering Systems
    - Lesson 5.2: Basic Networking Concepts
    - Lesson 5.3: How Networks Work
    - Lesson 5.4: Small Wireless Network Specifications
    - Lesson 5.5: Virtualization on the Network
    - Lesson 5.6: Careers in Networking
- Module 6: Applications and Software
    - Lesson 6.1: Common Applications
    - Lesson 6.2: Productivity Software
    - Lesson 6.3: Safely Managing Software
    - Lesson 6.4: The CompTIA Troubleshooting Methodology
    - Lesson 6.5: Careers in Apps and Software
- Module 7: Operating Systems
    - Lesson 7.1: What is an Operating System?
    - Lesson 7.2: What Does an Operating System Do?
    - Lesson 7.3: File Management
    - Lesson 7.4: Data Backup
    - Lesson 7.5: Careers in Operating Systems
- Module 8: Hardware
    - Lesson 8.1: Units of Speed and Capacity
    - Lesson 8.2: What's Inside a Computer?
    - Lesson 8.3: Storage Types
    - Lesson 8.4: What Can I Connect to My Device?
    - Lesson 8.5: Installing Connected Devices
    - Lesson 8.6: Careers in Computer Hardware
- Module 9: Databases
    - Lesson 9.1: Database Basics
    - Lesson 9.2: Types of Databases
    - Lesson 9.3: Relational Databases
    - Lesson 9.4: Careers in Databases
- Module 10: Coding
    - Lesson 10.1: What is Coding?
    - Lesson 10.2: Planning a Coding Project
    - Lesson 10.3: Variables and Data Types
    - Lesson 10.4: Coding Principles
    - Lesson 10.5: Careers in Coding
- Module 11: The Future of Tech
    - Lesson 11.1: Leading Technologies