

## CompTIA Tech+ Certification Prep Course

**Duration: 5 Days**    **Course Code: GK100419**    **Version: FC0-U71**    **Delivery Method: Virtual Learning**

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### Overview:

Learn the basics of computer hardware, software, mobile computing, networking, troubleshooting, and emerging technologies. The CompTIA Tech+ Certification Prep Course is designed for individuals exploring a career in technology or seeking to build a strong foundation in IT. This course equips learners with the essential knowledge and hands-on skills needed to confidently navigate today's digital landscape. Whether you're a student, career changer, or professional in a non-technical role, this course helps you understand core tech concepts, troubleshoot basic issues, and prepare for the CompTIA Tech+ exam with practical, real-world scenarios. Throughout the course, participants will gain familiarity with computing fundamentals, IT infrastructure, software applications, basic programming concepts, database essentials, and cybersecurity best practices. Learners will engage in interactive labs and simulations that reinforce key exam domains such as device setup, network configuration, software usage, and data management. By the end of the course, students will be well-prepared to take the CompTIA Tech+ exam and take the first confident step toward a rewarding career in technology.

### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

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### Target Audience:

- Students and aspiring professionals can kickstart their careers with a solid foundation in tech fundamentals.
  - Tech-adjacent workers can gain the tech literacy needed to enhance job performance and efficiency in tasks that intersect with technology.
  - Lifelong learners can stay ahead of their industry's digital transformation by future-proofing their skills with practical tech knowledge.
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### Objectives:

- Understand notational systems, computing basics, the value of data, and troubleshooting methodology.
  - Learn to set up and install common peripheral devices, configure wireless networks, and understand virtualization and cloud technologies.
  - Gain knowledge of operating systems, application software, web browser features, and artificial intelligence tools like chatbots and generative AI.
  - Apply programming language categories, organizational techniques, logic concepts, and foundational programming principles in software development.
  - Understand database concepts, structures, and uses, as well as backup methods and the value of data in decision-making.
  - Learn best practices for securing devices, managing passwords, and using encryption to protect data at rest and in transit.
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### Prerequisites:

- CompTIA Tech+ is aimed at those considering a career in IT and computer-related fields.
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### Follow-on-Courses:

- GK100287 CompTIA A+ Certification Prep Course
  - GK3150 - Understanding Networking Fundamentals (Network+)
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## Content:

### Module 1.0: 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 2.0: 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 3.0: 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 4.0 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 5.0: 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

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- Lesson 5.5: Virtualization on the Network
- Lesson 5.6: Careers in Networking

### Module 6.0: 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 7.0: 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 8.0: 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 9.0: Databases

- Lesson 9.1: Database Basics
- Lesson 9.2: Types of Databases
- Lesson 9.3: Relational Databases
- Lesson 9.4: Careers in Databases

### Module 10.0: 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 11.0: The Future of Tech

- Lesson 11.1: Leading Technologies

## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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