CompTIA TECH+ Day

Length: 9 days
Format: Classroom
Time: Day

About This Course

Learn the basics of computer hardware, software, mobile computing, networking, troubleshooting, andemerging technologies.

CompTIA Tech+ is the certification that equips individuals with the basic tech understanding needed tosucceed in technology-based roles. It provides the tech literacy essential for todays digital economy, making itthe perfect starting point for anyone looking to enhance their career with technology skills. This course coversall the bases, from basic concepts and security to software development, ensuring a well-rounded techeducation that's easy to use in any learning setting.

The Official CompTIA Tech+ Student Guide teaches the essential skills and information needed to troubleshootand problem solve, helps learners understand a wide variety of issues ranging from networking and operatingsystems to mobile devices and security, and prepares candidates to take the CompTIA Tech+ certificationexam (FC0-U71). Developed by CompTIA for the CompTIA certification candidate, the Student Guide has beenrigorously evaluated by third-party subject matter experts to validate coverage of the Tech+ exam objectives.

Click here to find your place on the CompTIA Roadmap.

Required Exams

To earn the CompTIA Tech+ certification, students must pass exam FC0-U71.

Audience Profile

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

Course Objectives

* IT Concepts and Terminology - Comprehend notational systems, illustrate the basics of computing

andexplain the value of data and troubleshooting.
 * Software Development - Comprehend programming language categories, interpret logic, andunderstand the purpose of programming concepts.
 * Infrastructure - Know how to set up and install common peripheral devices to a laptop/PC or secure abasic wireless network.
 * Database Fundamentals - Able to explain database concepts, structures, and purpose, as well asunderstand methods used to interface.
 * Applications and Software - Manage applications software, understand the various components of anoperating system and explain the purpose of methods of application architecture.
 * Security - Understand confidentiality, integrity, and availability concerns of secure devices and bestpractice methods.

Outline

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

AppliedTechnologyAcademy.com * 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