CompTIA Tech+ Certified Professionals: Mastering the Foundations of Technology

CompTIA Tech+ (FC0-U71) certification, formerly known as CompTIA ITF+ (FCU-061), has been updated to comprehensively cover the latest essential aspects of technology. This certification ensures candidates thoroughly understand fundamental skills, boosts their confidence, and demonstrates their competency, setting the stage for advanced tech learning pathways and potential Level 1 tech-related job opportunities.

CompTIA Tech+ prepares candidates for the technological challenges of today's digital landscape, equipping them with an increased ability to manage and troubleshoot their computers, understand computational thinking, and better protect their data.

The certification exam encompasses:

- Understanding and managing IT infrastructure, including hardware and networks, to ensure robust system performance.
- Applying software applications and development principles to solve problems and enhance organizational efficiency.
- Implementing cybersecurity measures to help safeguard information against threats and vulnerabilities.
- Embracing emerging technologies such as AI and IoT, understanding their impact and how they're shaping the future of IT.
- Developing a foundation in data management and database fundamentals, crucial for data-driven decision-making.

Exam Objectives Comparison

The following table aligns exam objectives from FC0-U61 and FC0-U71 for comparison. Skills are aligned by best match.

FC0-U61		FC0-U71		MAPPING
1.3	Illustrate the basics of computing and processing.	1.1	Explain the basics of computing	Maps
1.1	Compare and contrast notational systems	1.2	Identify notational systems	Gap
1.5	Compare and contrast common units of measure.	1.3	Compare and contrast common units of measure	Maps
1.6	Explain the troubleshooting methodology.	1.4	Explain the troubleshooting methodology	Maps
2.6	Compare and contrast common computing devices and their purposes.	2.1	Explain common computing devices and their purposes	Maps
2.3	Explain the purpose of common internal computing components.	2.2	Explain the purpose of common internal computing components	Maps
2.5	Compare and contrast storage types.	2.3	Compare and contrast storage types	Maps
2.2	Given a scenario, set up and install common peripheral devices to a laptop/PC	2.4	Given a scenario, install and configure common peripheral devices	Maps
2.1	Classify common types of input/output device interfaces.	2.5	Compare and contrast common types of input/output device interfaces	Maps
n/a		2.6	Compare and contrast virtualization and cloud technologies	New content
2.4	Compare and contrast common Internet service types.	2.7	Compare and contrast common internet service types	Maps
2.7	Explain basic networking concepts.	2.8	Identify basic networking concepts	Gap
2.8	Given a scenario, install, configure and secure a basic wireless network.	2.9	Explain the basic capabilities of a small wireless network	Gap
3.2	Compare and contrast components of an operating system	3.1	Identify components of an OS	Gap
3.1	Explain the purpose of operating systems.	3.2	Explain the purpose of operating systems	Maps
3.3	Explain the purpose and proper use of software.	3.3	Explain the purpose and proper use of software	Maps
3.5	Given a scenario, configure and use web browsers.	3.4	Given a scenario, configure and use web browser features	Gap
n/a		3.5	Identify common uses of artificial intelligence (AI)	New content

FC0-U61		FC0-U71		MAPPING
4.1	Compare and contrast programming language categories.	4.1	Compare and contrast programming language categories	Maps
1.2	Compare and contrast fundamental data types and their characteristics.	4.2	Identify fundamental data types and their characteristics	Gap
4.3	Explain the purpose and use of programming concepts.	4.3	Explain the purpose and use of programming concepts	Maps
4.2	Given a scenario, use programming organizational techniques and interpret logic.	4.4	Identify programming organizational techniques and logic concepts	Gap
1.4	Explain the value of data and information	5.1	Explain the value of data and information	Maps
5.1	Explain database concepts and the purpose of a database.	5.2	Explain database concepts and the purpose of a database	Gap
5.2	Compare and contrast various database structures.	5.3	Compare and contrast various database structures	Maps
6.7	Explain business continuity concepts	5.4	Explain basic data backup concepts	Maps
6.4	Compare and contrast authentication, authorization, accounting, and non-repudiation concepts.	6.1	Explain fundamental security concepts and frameworks	Maps
6.1	Summarize confidentiality, integrity, and availability concerns.	6.1		Maps
6.2	Explain methods to secure devices and best practices.	6.2	Explain methods to secure devices and security best practices	Maps
6.5	Explain password best practices.	6.3	Explain password best practices	Gap
6.6	Explain common uses of encryption.	6.4	Identify common use cases for encryption	Gap
2.8	Given a scenario, install, configure and secure a basic wireless network.	6.5	Given a scenario, configure security settings for a small wireless network	Gap