

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

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

