

CompTIA Tech+

CompTIA Tech+, formerly known as CompTIA ITF+, is a universally recognized certification that demonstrates an individual's understanding of the vast landscape of technology, and ability to navigate and leverage various tech tools and platforms effectively.

- CompTIA Tech+ serves as an essential entry point for those beginning their journey into the exciting world of technology. It provides a comprehensive overview of fundamental concepts and practical skills, paving the way for a fulfilling venture into technology.
- Tech+ is a vendor-neutral, internationally targeted technology certification, ensuring that individuals possess the essential knowledge to engage with and understand technology across different environments. It focuses on establishing a solid base in computing, security, data, and application software.
- Tech+ combines theoretical knowledge with practical exercises, simulating real-life tech scenarios. This approach enhances critical thinking and problem-solving abilities, preparing learners to address a variety of tech-related issues confidently.

What is New in this Version?

- Acknowledging the growing importance of digital literacy, Tech+ covers essential digital skills and online collaboration tools, preparing individuals for both personal and professional digital interactions.
- Addressing the vital importance of security in a digitally interconnected world, Tech+ covers vital aspects like safe browsing practices, understanding certificates, and privacy considerations crucial for the safe use of digital tools and online platforms.
- Tech+ delves into database fundamentals, emphasizing data value, database structures, and basic backup concepts, highlighting the importance of data management and analysis in IT.
- Tech+ includes an exploration of virtualization and cloud technologies, such as hypervisors, guest operating systems, and cloud service models, reflecting the industry's move towards cloud computing and the need for contemporary technology understanding.
- Additional topics on emerging technologies, including IoT devices, VR and AR systems, offering insights into the future of technology and its societal impacts.
- A significant addition to Tech+ is the inclusion of AI concepts, such as AI chatbots, AI assistants, generative AI, AI-generated code, and content, underscoring the increasing relevance of AI.



Exam #

FC0-U71

Release Date

August 2024

Languages

English, Japanese

CE Required?

No

With over 3 million certifications granted in key tech domains, CompTIA's credentials reliably indicate subject-matter competence.

CompTIA Tech+ FC0-U71 Certification

CompTIA Tech+ is the only pre-professional certification that helps individuals determine if they have a competency for information technology and if it is the right career path for them. Plus, it helps learners build their confidence and prove their competencies in organizational settings.

Who would benefit from CompTIA Tech+ certification?

- Students and career changers considering a career in technology.
- Professionals working in fields that require a broad understanding of IT.
- Marketing, sales, and operations staff who want to improve job performance, enhance technology skills, and rely less on IT support.

Potential Level 1 Position

- IT Support Specialist
- Data Entry Technician
- Help Desk Technician
- Technical Sales Associate
- Computer Technician
- Customer Service Rep

CertMaster Solutions for Tech+: Streamlined Learning and Exam Prep

CertMaster Learn

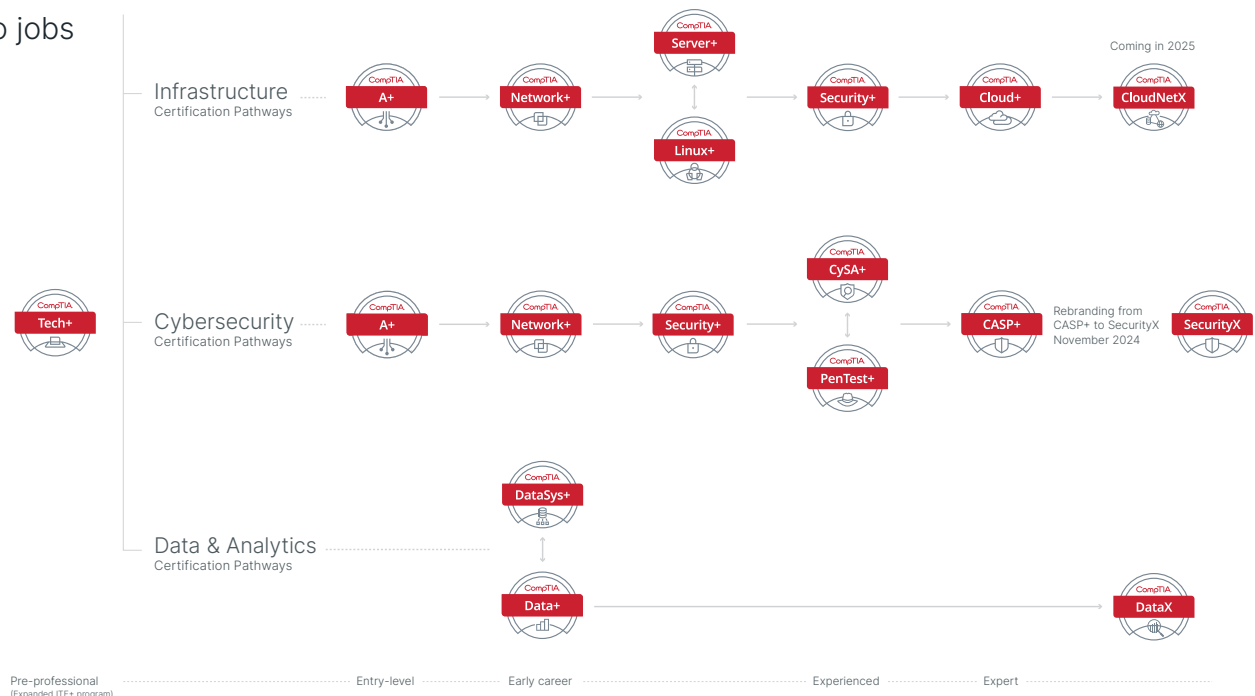
A comprehensive eLearning platform designed for the CompTIA Tech+ (FC0-U71) certification, featuring a mix of instructional content, videos, assessments, and simulations to suit various learning styles, with key features including knowledge checks for enhanced learning retention, real-world simulations for practical IT skills development, and analytics to monitor progress and identify areas of strength and weakness.

CertMaster Practice

An adaptive testing tool that complements CertMaster Learn by pinpointing knowledge gaps and boosting exam confidence through focused study on weak areas, confidence indicators for exam readiness, and immediate feedback for a deeper understanding, together providing a robust preparation toolkit for the Tech+ exam and supporting learners in advancing their IT and tech-related careers with essential knowledge and skills.

Learning Pathways

CompTIA pathway to jobs



Visit [CompTIA.org/tech-plus-career-paths](https://www.comptia.org/tech-plus-career-paths) for job and salary information.

Technical Skills Covered in the Certification and Training

<p>1.0 IT Concepts and Terminology</p> <p>14%</p>	<ul style="list-style-type: none">• Basics of computing including input, processing, output, and storage.• Understanding notational systems such as binary, hexadecimal, decimal, and octal.• Comparing and contrasting common units of measure like storage units (bit, byte, kilobyte, etc.), throughput units (bps, Kbps, Mbps, etc.), and processing speed (MHz, GHz).
<p>2.0 Infrastructure</p> <p>22%</p>	<ul style="list-style-type: none">• Overview of common computing devices and their purposes, including smartphones, tablets, laptops, and more.• Explanation of common internal computing components like motherboards, CPUs, and GPUs.• Comparison of storage types (volatile vs. non-volatile, local vs. cloud storage).• Installation and configuration of common peripheral devices and understanding different types of input/output device interfaces.• Virtualization and cloud technologies, including hypervisors and cloud service models (PaaS, IaaS, SaaS).• Basic networking concepts and the capabilities of small wireless networks.
<p>3.0 Applications and Software</p> <p>18%</p>	<ul style="list-style-type: none">• Components of an operating system (OS) and its purpose.• The purpose and proper use of software, including productivity, collaboration, and web-browsing software.• Configuration and use of web browser features.• Common uses of artificial intelligence (AI) in software.
<p>4.0 Software Development Concepts</p> <p>14%</p>	<ul style="list-style-type: none">• Comparison of programming language categories (interpreted vs. compiled).• Fundamental data types and their characteristics.• Purpose and use of programming concepts like identifiers, arrays, functions, and objects.• Programming organizational techniques and logic concepts.
<p>5.0 Data and Database Fundamentals</p> <p>14%</p>	<ul style="list-style-type: none">• The value of data and information in decision-making.• Database concepts, purposes, and structures (structured vs. non-structured, relational vs. non-relational).• Basic data backup concepts and the importance of data persistence and availability.
<p>6.0 Security</p> <p>18%</p>	<ul style="list-style-type: none">• Fundamental security concepts and frameworks (confidentiality, integrity, availability).• Methods to secure devices and security best practices.• Password best practices and common use cases for encryption.• Configuring security settings for a small wireless network.

Nearly all IT managers (97%) recognize the value certified professionals bring to the organization such as boosting productivity, helping to meet client requirements and closing organizational gaps.

Skillsoft IT Skills & Salary Report 2022

Research and Statistics

CompTIA certifications are in-demand

Employers listed 8.95 million job postings in the US seeking candidates with digital and tech fundamental skills during 2023.

(Source: Lightcast US active job postings Jan 2023 - Dec 2023)

Well-Paying Positions

Average salaries for IT professionals can range from \$34,220 for beginning IT Support Specialists to \$165,920 for advanced cybersecurity specialists.

Job Openings & Advancement Potential

The annual turnover rate in entry-level IT jobs is generally quite high due to career progression resulting in a myriad of IT job opportunities.

Projected Job Growth

The IT ecosystem is evolving rapidly and becoming more nuanced and sophisticated. The need to demonstrate skills and knowledge of fundamental areas such as security, infrastructure, data, and hardware are increasingly important - even vital to working in a modern workforce that leans on application software, cloud storage, mobile computing, and generative AI.

* Prepare for your exam with Official CompTIA Content.

First and foremost, CompTIA is an education company. We offer everything you need to get ready for your Tech+ certification exam. Explore training developed by CompTIA with options that fit various learning styles and timelines.

* What does it mean to be a “high stakes” exam?

An extraordinarily high level of rigor is employed in developing CompTIA certifications. Each question created for a CompTIA exam undergoes multiple layers of quality assurance and thorough psychometric statistical validation, ensuring CompTIA exams are highly representative of knowledge, skills and abilities required of real job roles. This is why CompTIA certifications are a requirement for many professionals working in technology. Hiring managers and candidates alike can be confident that passing a CompTIA certification exam means confidence on the job.

* What does it mean to be a “vendor-neutral” certification?

All CompTIA certifications are vendor neutral. This means each exam covers multiple technologies without confining the candidate to any one platform. Vendor neutrality is important because it ensures IT professionals can perform important job tasks in any technology environment. IT professionals with vendor-neutral certifications can consider multiple solutions in their approach to problem solving, making them more flexible and adaptable than those with training to just one technology.

* Special thanks to the organizations who have contributed to the development of CompTIA Tech+

Intellirate LTD, S.Habersham Educational Services, Lake Trust Credit Union, Booz Allen Hamilton, 3ME Partners LLC, Per Scholas, Zephyr Cyber Touch, LLC, ZenGaia Orgânicos, Cisco, Western Carolina University, FireLogic Inc, Lennis Design, LLC, Indiana Digital Learning School, Nationwide, Verra Mobility, ManTech, Hewlett Packard Enterprise, Fort Wayne Community Schools Career Academy, and Maxar are among the diverse organizations spanning education, finance, consulting, technology, and more.

Visit CompTIA’s official website at [CompTIA.org/tech-plus](https://www.comptia.org/tech-plus) for more information on exam registration, preparation resources, and to explore how Tech+ can transform your career.

