CompTIA

Cybersecurity: A vital element of every IT job

Information security is a major concern of every organization around the world. With the continually rising threat of cyber attacks, organizations of all sizes seek ways to ensure the security of their systems.

Having knowledgeable and skilled IT staff is a vital element to building and maintaining secure systems.

CompTIA certifications help ensure your IT staff has the validated skills necessary to protect your organization.

While rising in popularity, CompTIA Security+ isn't the only CompTIA certification that covers this essential IT need.

Cybersecurity knowledge and skills are key components embedded throughout the wide range of CompTIA certifications.

% IN SECURITY DOMAIN				
CompTIA Security+	CompTIA PenTest+	CompTIA CySA+	CompTIA CASP+	CompTIA ITF+
100%	100%	100%	100%	36%
CompTIA A+	CompTIA Network+	CompTIA Linux+	CompTIA Server+	CompTIA Cloud+
41%	72%	52%	52%	62%

Every IT professional, regardless of their job role, needs to be at the top of their game when it comes to cybersecurity.

For more information about the security domains covered in CompTIA certifications, visit: **CompTIA.org/Certifications**

In 2020, the average total cost of a data breach was **$3.86 million.** This number increases for organizations with less advanced security processes, like formal incident response teams.

Average time to detect and contain a data breach caused by a malicious attack is **50 days.**

Companies that invest in robust security intelligence systems and employ certified staff save **$2 million annually** in cyber crime costs.

Source for the statistics: Ponemon Institute, Cost of a Data Breach Report, 2020.

CompTIA CYBERSECURITY CERTIFICATION PORTFOLIO

The following CompTIA vendor-neutral certifications ensure your IT staff has the validated skills necessary to protect your organization.

CERTIFICATION	RELEVANCE TO CYBERSECURITY	COMPETENCIES
CompTIA ITF+	CompTIA IT Fundamentals (ITF+) introduces individuals to the exciting world of Information Technology. The certification covers the essential IT skills and knowledge needed by entry-level IT professionals.	• Identify common programs and their purpose • Understand basic security threats • Use security best practices • Use web-browsing best practices
CompTIA A+	All cyber investigations, forensics, and cyber law enforcement activities rely on a fundamental understanding of computer hardware, networks, and systems. CompTIA A+ certification validates that fundamental understanding and skills.	• Identify cybersecurity threats • Configure operating system security • Understand security best practices • Troubleshoot common security issues
CompTIA Network+	In our increasingly interconnected world, secure digital networks are essential. CompTIA Network+ certification prepares IT professionals to build, manage, and protect the critical asset that is the data network.	• Understand networking services and applications • Use appropriate network monitoring tools • Understand network security vulnerabilities and remedies
CompTIA Security+	CompTIA Security+ certification is 100% focused on Cybersecurity. It covers the foundational principles for network and operation security, threats and vulnerabilities, access control and identity management and cryptography.	• Assess security posture of an enterprise environment • Recommend and implement appropriate security solutions • Monitor and secure hybrid environments • Respond to security events and incidents
CompTIA PenTest+	CompTIA PenTest+ is a penetration testing exam with both hands-on, performance-based questions and multiple-choice, to ensure each candidate possesses the skills, knowledge, and ability to perform tasks on systems to determine the resiliency of the network against attacks. PenTest+ exam also includes management skills used to plan, scope, and manage weaknesses, not just exploit them.	• Plan and scope a penetration testing engagement • Understand legal and compliance requirements • Using appropriate tools and techniques, analyze results • Produce a written report proposing remediation techniques • Communicate results to the management teams
CompTIA CySA+	CompTIA Cybersecurity Analyst+ applies behavioral analytics to the IT security market to improve the overall state of IT security. Analytics have been successfully integrated in the business intelligence, retail and financial services industries for decades. Analytics are now applied to IT security to detect and mitigate threats.	• Leverage intelligence and threat detection techniques • Analyze and interpret data • Identify and address vulnerabilities • Suggest preventative measures • Effectively respond to and recover from incidents
CompTIA CASP+	The CompTIA Advanced Security Practitioner certification is the first mastery level certification exam by CompTIA. It validates abilities in enterprise security such as requirements, risk management, incident response, and critical thinking.	• Conceptualize, engineer, integrate and implement secure solutions across complex environments • Translate business needs into security requirements, analyze risk impact, and respond to security incidents
CompTIA Linux+	CompTIA Linux+ certification validates the competencies required of an entry-level system administrator supporting Linux systems.	• Perform security administration tasks • Set up host security • Security data with encryption
CompTIA Server+	The CompTIA Server+ certification exam covers server hardware, software, storage, disaster recovery and troubleshooting. One third of the Server+ exam content is Cybersecurity related.	• Install and configure server operating systems • Understand physical security methods and concepts • Implement data security methods and secure storage disposal techniques
CompTIA Cloud+	The CompTIA Cloud+ certification validates the knowledge and best practices required of IT practitioners working in cloud computing environments, who must understand and deliver cloud infrastructure and security.	• Understand various cloud delivery models and services • Understand network and storage security concepts, tools, and best practices • Understand various encryption

For a complete list of CompTIA certification exam objectives, visit: **CompTIA.org/Certifications**