

AFRICA

NIL



CompTIA Course Catalogue

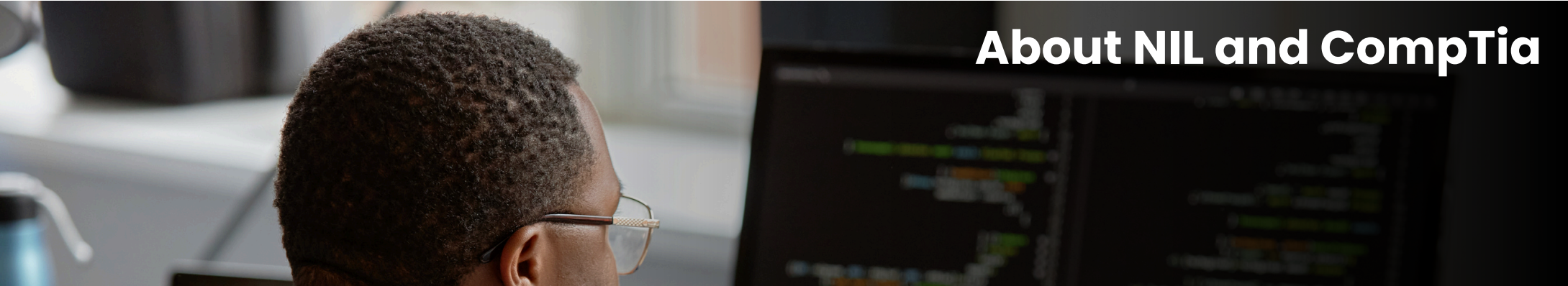
Empower your IT career with globally recognised, vendor-neutral CompTIA certifications. Our CompTIA training programmes build practical, transferable technology skills, validate real-world competencies, and prepare professionals to succeed across diverse technologies in a connected digital world.

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About NIL and CompTia

About NIL

NIL Africa is a leading IT skills development company and the exclusive delivery arm for NIL Learning in Sub-Saharan Africa. Since 2009, NIL Africa has been at the forefront of delivering comprehensive learning programmes across various tech verticals.

Committed to empowering IT professionals and organisations, our mission is to provide comprehensive learning programmes in Networking, Cybersecurity, IT Service Management, Data, Cloud, Data Centre, AI, Software, Automation, and Service Provider technologies across Africa.

Focused on advanced IT training, NIL Africa's Learning Division is dedicated to empowering IT professionals and organisations with cutting-edge skills and knowledge, aligning its offerings with the rapidly evolving digital landscape of Africa.

NIL Africa is proud to inform you that partnering with us means partnering with a proudly South African company which is recognised as a Level 1 B-BBEE contributor. We take pride in being 'ahead of the curve' in our commitment to engaging in direct empowerment initiatives in the Information Technology sector.

About CompTIA

CompTIA empowers students, professionals, and career changers to succeed in technology careers by providing tools, certifications, and learning solutions. Partnering with academic institutions, non-profits, training centers, and governments, CompTIA develops and certifies the next generation of technology talent.

As the world's largest vendor-neutral IT credentialing organisation, CompTIA has awarded over 3.6 million certifications globally, from foundational credentials like A+, Network+, and Security+ to expert-level certifications in data, cloud, and cybersecurity. Programs such as Tech+ and AI Essentials help business professionals progress from digital literacy to digital fluency.

CompTIA certifications and learning content are continuously updated to reflect emerging technologies and industry trends. Through a robust global partner network, CompTIA delivers tailored training that addresses workforce needs and bridges the skills gap for learners exploring careers, advancing in technology, or maintaining professional skills.

With a strong reputation among learners, educators, employers, and governments, CompTIA drives the development of in-demand technical and business skills, helping individuals stand out, enabling employers to invest in talent, and supporting educators in delivering market-aligned curricula. CompTIA continues to expand its offerings, preparing the highly skilled technology workforce of the future and maintaining its position as a leading provider of IT certifications and training.

CompTIA Essentials Series



AI Essentials
AI Prompting Essentials
AI for Marketing Essentials
AI for Sales Essentials
Business Essentials

Cloud Essentials
Data Analysis Essentials
Project Management Essentials
Soft Skills Essentials
AI Agent Essentials
AI Help Desk Essentials

Build a strong foundation for your IT journey.

The Essentials series introduces the fundamental concepts and practical skills that form the base of success in today's technology-driven workplace. From understanding how emerging technologies like AI and cloud computing shape business operations, to learning the basics of data interpretation, project coordination, and professional communication, these courses develop both technical literacy and essential workplace competencies. Whether you're new to tech or strengthening your digital fluency, the Essentials series prepares you to confidently step into the modern workforce or continue toward more advanced CompTIA certifications.

Essentials Series

AI Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

This course provides a practical introduction to artificial intelligence and its real-world applications in the workplace. Learners explore how AI enhances productivity, creativity, and decision-making while gaining hands-on experience with leading AI tools such as ChatGPT, GPTPro, and Google AutoDraw.

By the end of the course, participants will be able to:

- Apply AI concepts and Generative AI techniques to business and creative tasks.
- Use prompt engineering to generate effective AI outputs across text, image, and audio.
- Identify ethical, legal, and cybersecurity implications of AI technologies.
- Recognise and mitigate dataset bias and other risks in AI systems.
- Understand the role of AI in workforce transformation and the importance of continuous reskilling.

Upon completion, learners earn a CompTIA Competency Certificate indicating their confidence to use AI responsibly and strategically in professional environments.

AI for Marketing Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

Designed as a practical deep dive for marketing professionals into using AI assistants such as ChatGPT, Copilot, and Gemini to accelerate campaign planning, content creation, and optimisation. Through hands-on, real-world scenarios, marketing teams boost productivity, improve content quality, and embed AI-supported workflows without disrupting existing processes.

By completing this course, learners will be able to:

- Conduct rapid, AI-assisted market research.
- Generate high-quality blogs, emails, ads, and social content in minutes.
- Personalise messaging and creative at scale across audience segments.
- Build campaign briefs, content calendars, personas, and nurture flows.
- Analyse performance data, automate SEO optimisation, and summarise actionable insights.

Upon completion, learners earn a CompTIA Competency Certificate indicating their confidence to use AI responsibly and strategically in marketing environments.

AI Prompting Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

This course equips learners with the practical skills to use AI tools effectively and responsibly in the workplace. Participants learn how to identify when and how to apply AI, craft clear and targeted prompts, and critically evaluate AI-generated content for accuracy and relevance. They also explore how to automate routine tasks, collaborate with AI for content creation and problem-solving, and apply ethical and secure practices that align with organisational policies.

By completing this course, learners will be able to:

- Determine appropriate use cases for AI based on task complexity and risk.
- Create effective prompts that generate accurate, high-quality results.
- Engage interactively with AI tools to refine outputs and improve outcomes.
- Integrate AI responsibly into everyday workflows to enhance productivity and compliance.

Upon completion, learners receive a CompTIA Competency Certificate recognising their essential business and strategy skills.

AI for Sales Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

A practical deep dive into how sellers use AI assistants such as ChatGPT, Copilot, and Gemini to accelerate sales efforts and improve win rates. Through hands-on, real-world scenarios, sales teams boost productivity and quality across the sales cycle while embedding AI best practices without disrupting existing sales processes.

By completing this course, learners will be able to use AI to:

- Conduct fast, high-quality research on accounts and contacts at scale.
- Create personalised outreach and messaging.
- Improve call preparation, objection handling, and follow-up.
- Summarise and analyse sales calls.
- Draft proposals, ROI language, and competitive insights
- Improve win rates through personalised coaching.

Upon completion, learners a CompTIA Competency Certificate, validating their ability to use AI responsibly to enhance the sales process.

Essentials Series

AI Agent Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

Learn to identify the right use cases, translate work into agent workflows, manage tools and memory with guardrails, and evaluate results—then practice in CompTIA's proprietary Agent Simulator to be able to work confidently with AI agents.

By completing this course, learners will be able to:

- Understand AI agents and identify appropriate use cases
- Translate work into agent workflows
- Control agent behaviour and actions
- Manage agent memory and knowledge
- Design safe, secure agents with human oversight
- Test, evaluate, and monitor agent performance

Learners who successfully complete the course earn a CompTIA Competency Certificate, validating their ability to understand, evaluate, and collaborate with AI agent systems across business workflows and organisational environments.

AI Help Desk Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

CompTIA AI Help Desk Essentials gives tech support professionals hands-on practice using generative AI in real help desk scenarios. In about 4 hours, you'll learn to summarise and route tickets, diagnose incidents, analyse logs and error messages, draft user communications, and create reusable support documentation

By completing this course, learners will be able to:

- Interact with AI chatbots effectively and efficiently.
- Use AI tools responsibly for work.
- Prioritise and route support tickets using AI.
- Diagnose and resolve incidents with AI support.
- Communicate, document and close support tickets using AI.
- Create reusable support content with AI.
- Analyse logs, errors, and configurations using AI.

Learners who successfully complete the course earn a CompTIA Competency Certificate, validating their mastery of essential workplace and interpersonal skills.



Essentials Series

Business Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

This course builds foundational business knowledge and practical decision-making skills for today's professionals. Learners gain a clear understanding of how organisations operate, generate value, and achieve strategic goals. The course develops business acumen, financial literacy, and strategic thinking through interactive content, videos, and assessments.

By completing this course, learners will be able to:

- Understand core business functions and objectives.
- Interpret financial statements to assess organisational performance.
- Apply strategic frameworks to drive business success.
- Evaluate how companies create and sustain stakeholder value.
- Use financial insights to support data-driven decisions and competitive advantage.

Upon completion, learners earn a CompTIA Competency Certificate demonstrating essential business fluency and strategic awareness.

Cloud Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

CompTIA Cloud Essentials equips business leaders and stakeholders with the knowledge to use cloud computing as a strategic enabler of innovation, efficiency, and growth. The course builds understanding of core cloud concepts, governance, and compliance while helping learners make informed, business-aligned decisions about cloud adoption and investment.

By completing this course, learners will be able to:

- Explain key cloud computing concepts, service types, and deployment models.
- Align cloud strategies with business goals and performance outcomes.
- Evaluate migration approaches and cloud-native application opportunities.
- Manage cloud governance, risk, and compliance effectively.
- Communicate confidently with technical teams on cloud-related initiatives.

Upon completion, learners a CompTIA Competency Certificate, validating their ability to guide cloud decisions that deliver measurable business value.

Data Analysis Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

This course provides understanding of the core skills needed to collect, analyse, and present data that supports informed business decisions. Through hands-on practice with industry-standard tools, learners build confidence in applying analytical thinking to real-world challenges.

By completing this course, learners will be able to:

- Understand how data is structured, stored, and applied across business contexts.
- Collect, clean, and validate data from multiple sources.
- Summarise and interpret data using basic statistical methods.
- Create clear visualisations that communicate insights effectively.
- Present data-driven findings through reports and presentations.
- Apply ethical and secure practices for responsible data handling.

Upon completion, learners earn a CompTIA Competency Certificate validating foundational data analysis skills and readiness to contribute to data-driven decision-making or pursue further analytics training.



Essentials Series

Project Management Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

This course provides learners with the knowledge and skills to effectively plan, manage, and deliver projects from start to finish. Through practical, real-world examples, learners gain confidence in applying project management principles to a variety of workplace scenarios — even outside of formal project roles.

By completing this course, learners will be able to:

- Understand the phases and core concepts of the project life cycle.
- Define project objectives, scope, and stakeholders.
- Develop project plans, timelines, and risk mitigation strategies.
- Coordinate tasks, manage communication, and monitor progress.
- Evaluate outcomes, perform project reviews, and close projects successfully.

Learners who successfully complete the course earn a CompTIA Competency Certificate, validating their ability to contribute to or lead projects that achieve organisational goals.

Softskills Essentials

Duration	8 Hours
Delivery	Self-paced/ILT/VILT

CompTIA Soft Skills Essentials equips learners with the non-technical skills essential for success in any professional environment. The course focuses on building professionalism, communication, teamwork, problem-solving, and career readiness – helping learners strengthen their ability to collaborate, adapt, and perform effectively in diverse workplace settings.

By completing this course, learners will be able to:

- Demonstrate professionalism and workplace readiness.
- Communicate clearly through active listening and effective writing.
- Collaborate in teams and resolve conflicts constructively.
- Apply critical thinking to solve problems and make sound decisions.
- Manage time, prioritize tasks, and adapt to changing demands.
- Build career confidence through improved resumes, profiles, and interview skills.

Learners who successfully complete the course earn a CompTIA Competency Certificate, validating their mastery of essential workplace and interpersonal skills.



CompTIA Pro Series



CyberDefense Pro Bundle
Digital Literacy Pro
Ethical Hacker Pro Bundle
Microsoft Office Pro
Windows Client Pro Bundle

Level-up technical skills and practical expertise.

The Pro series builds on your foundational knowledge to strengthen your capabilities in the tools, systems, and technologies that power modern IT environments. Learn to manage operating systems, enhance productivity with advanced software applications, and apply critical cybersecurity practices to safeguard data and infrastructure. Designed for those seeking to elevate their career readiness and technical confidence, the Pro series prepares you for specialised certification pathways and in-demand professional roles across industries.

Pro Series

CyberDefense Pro

Duration	3 Days
Delivery	Self-paced/ILT/VILT

This course equips you with advanced cybersecurity skills. It includes hands-on simulations and real-world scenarios designed to provide you with the knowledge to detect, analyse, and respond to threats in today's tech-driven world, ensuring you're ready for success in cybersecurity roles.

By completing this course, learners will be able to:

- Identify and analyse cybersecurity threats using industry-standard tools.
- Develop and execute response plans and perform forensic analysis.
- Automate security tasks and enhance detection capabilities with Python and PowerShell.
- Ensure compliance with regulatory standards and conduct risk assessments.

Upon completion, learners earn a CompTIA Competency Certificate demonstrating essential business fluency and strategic awareness.

Digital Literacy Pro

Duration	4 Days
Delivery	Self-paced/ILT/VILT

Digital Literacy Pro is a comprehensive training course designed to introduce learners to essential technology concepts and skills. This course prepares students to navigate and utilise technology effectively in their academic, professional, and personal lives. Hands-on simulations, real-world scenarios, and assessments ensure that learners are equipped with the foundational digital literacy skills needed in today's technology-driven world.

By completing this course, learners will be able to:

- Understand and use computer hardware, software, and operating systems.
- Master word processing, spreadsheets, and presentation software.
- Recognise and mitigate cybersecurity risks.
- Practice ethical and responsible technology use.
- Develop computational thinking and basic coding skills.

Upon completion, learners receive a CompTIA Competency Certificate recognising their professional digital literacy skills.

Ethical Hacker Pro

Duration	5 Days
Delivery	Self-paced/ILT/VILT

This comprehensive training course is designed to prepare learners to master ethical hacking concepts and skills. It focuses on identifying vulnerabilities, securing systems, and testing networks in today's technology-driven environments. With hands-on simulations and certification prep, this course ensures that learners are ready to excel in cybersecurity roles that require ethical hacking expertise.

By completing this course, learners will be able to:

- Gather and analyse information about systems and networks.
- Identify and assess vulnerabilities in systems and networks.
- Test system defences by ethically exploiting vulnerabilities.
- Identify and mitigate vulnerabilities in web applications.
- Secure wireless networks and identify potential threats.
- Document findings and provide actionable recommendations to improve security.

Upon completion, learners earn a CompTIA Competency Certificate demonstrating their ability to apply ethical hacking tactics.



Pro Series

Microsoft Office Pro

Duration	10 Days
Delivery	Self-paced/ILT/VILT

This comprehensive training program develops proficiency across core Microsoft Office applications, including Word, Excel, PowerPoint, and Outlook. Through hands-on simulations, practical exercises, and real-world business scenarios, it equips learners with job-ready productivity skills required for modern office environments.

By the end of the course, participants will be able to:

- Create professional documents with advanced formatting and automation.
- Perform data analysis and create dynamic spreadsheets.
- Design visually appealing and effective presentations.
- Manage and query databases for business needs.
- Organise email, calendars, and tasks for productivity.

Upon completion, learners earn a CompTIA Competency Certificate indicating their confidence to use Microsoft Office productivity tools in professional environments.

Windows Client Pro

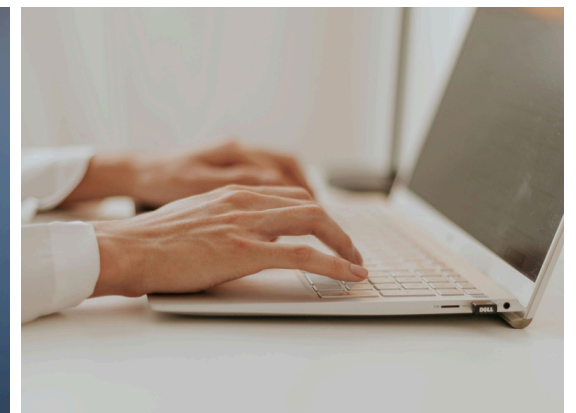
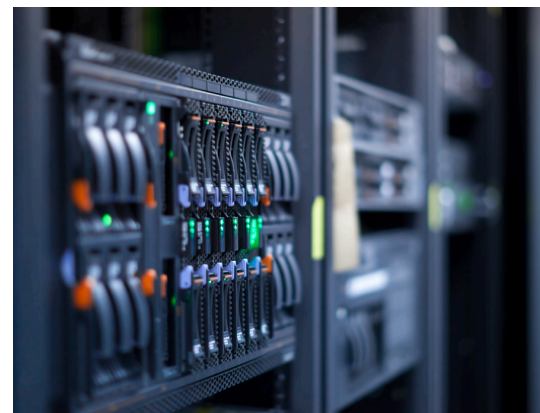
Duration	8 Days
Delivery	Self-paced/ILT/VILT

The Windows Client Pro course is designed to equip students with the skills needed to install, configure, and troubleshoot Windows OS. With hands-on simulations, real-world scenarios, and certification preparation, the course ensures learners are ready to excel in tech support roles.

By completing this course, learners will be able to:

- Install, configure, and troubleshoot the Windows operating system.
- Manage user accounts, group policies, and system security.
- Configure and troubleshoot network connections and settings.
- Organise file systems and configure storage solutions.

Upon completion, learners earn a CompTIA Competency Certificate demonstrating their ability to manage and support the Windows operating system in professional IT environments.



CompTIA Plus Series



A+
Cloud+
CySA+
Data+
DataSys+
Linux+

Network+
PenTest+
Project+
Security+
Server+
Tech+

Specialise in technologies and emerging trends.

The Plus series enables you to sharpen your expertise in key domains that drive innovation across industries. Explore in-depth topics such as penetration testing, data analytics, cloud architecture, and automation. Through scenario-based learning and applied practice, you'll build the technical proficiency needed to design, implement, and secure modern IT environments. These certifications validate your readiness for entry to mid-level, high-demand roles across the any industry.

Plus Series

CompTIA A+ is the industry-standard certification for launching a career in IT support and is consistently the most requested credential in entry-level technology roles. This course provides a comprehensive foundation in hardware, networking, operating systems, security, and troubleshooting.

Learners gain practical skills in installing and configuring hardware components, mobile devices, peripherals, and accessories, as well as setting up and supporting wired and wireless networks in home and small business environments. The course builds strong troubleshooting capability, enabling learners to diagnose and resolve hardware, network, software, and connectivity issues using professional tools and structured methodologies.

Operating system coverage includes Windows, macOS, Linux, and mobile platforms, with hands-on experience using system utilities, managing file systems, and performing upgrades. Security fundamentals are embedded throughout, covering access controls, encryption, malware prevention, and secure wireless practices. Learners are also introduced to virtualization and cloud computing concepts, including virtual machines and common cloud service models.

Operational best practices such as documentation, safety, communication, backup, and recovery prepare learners for real workplace expectations. On completion, learners are exam-ready and equipped with job-relevant skills to succeed in help desk, desktop support, and junior IT technician roles.

A+ Core 1

Duration	5 Days
Delivery	Self-paced/ILT/VILT
Exam	220-1101

Course Outline:

CompTIA A+ Core 1 is the first of two examinations required to earn the industry-standard CompTIA A+ certification. It is designed to establish a strong foundation for entry-level IT careers by validating essential skills in hardware, networking, mobile devices, and troubleshooting. Successful completion of Core 1, together with Core 2, prepares candidates for roles such as IT support specialist and help desk technician, while also building the technical knowledge required to progress to more advanced certifications, including CompTIA Network+ and CompTIA Security+.

Learning Objectives:

Upon completion of this course, learners will be able to:

- Install, configure, and maintain computer hardware components and mobile devices in professional IT environments.
- Diagnose and resolve common hardware, network, and connectivity issues using structured troubleshooting methodologies.
- Explain core networking concepts and configure small office/home office (SOHO) networks, including basic IP addressing and wireless connectivity.
- Describe fundamental virtualisation and cloud computing concepts, including virtual machines and common cloud service models.
- Apply industry-standard troubleshooting tools and techniques to identify, analyse, and resolve technical problems effectively.

A+ Core 2

Duration	5 Days
Delivery	Self-paced/ILT/VILT
Exam	220-1102

Course Outline:

CompTIA A+ Core 2 is the second of two exams required to earn the industry-standard A+ certification, a trusted credential for starting your tech career. This exam emphasises essential skills in operating systems, security, software troubleshooting, and operational procedures. Successfully passing Core 2 and Core 1 equips you for roles like IT support specialist and help desk technician while laying the foundation for advanced certifications like Network+ and Security+.

Learning Objectives:

Upon completion of this course, learners will be able to:

- Install, configure, and manage operating systems, including Windows, macOS, and Linux, in professional IT environments.
- Apply security best practices to protect systems and mitigate potential threats.
- Diagnose and resolve software and operating system issues using structured troubleshooting techniques.
- Follow operational procedures for safety, documentation, and change management to support effective IT operations.
- Implement backup and recovery methods to maintain data integrity and ensure business continuity.



Plus Series

Cloud+	Cybersecurity Analyst (CySA+)	Data+
Duration 5 Days	Duration 5 Days	Duration 5 Days
Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced
Exam CV0-004	Exam CS0-003	Exam DA0-002
Course Outline: The course covers essential areas including cloud architecture, deployment, operations, security, DevOps fundamentals, and troubleshooting. It also equips candidates with practical, hands-on experience, validating the skills required for professionals to manage and optimise cloud infrastructure in multi-cloud environments. Learning Objectives: - Analyse cloud models and design solutions to meet business requirements for effective cloud architecture. - Execute workload migrations, implement infrastructure as code (IaC), and provision cloud resources to support deployment. - Manage and optimise cloud environments. - Implement security measures, address vulnerabilities, and ensure compliance with standards like PCI DSS and ISO 27001. - Apply DevOps fundamentals, including source control, CI/CD pipelines, automation, system integration, and DevOps tools. - Diagnose and resolve issues to troubleshoot cloud environments. Who Should Enroll: - Network operations specialist - Systems administrator - Enterprise architect - Security architect Pre-requisites: 2–3 years of hands-on experience as a systems administrator or cloud engineer	Course Outline: This is the premier certification for cyber professionals tasked with incident detection, prevention, and response through continuous security monitoring. It validates a tech professional's expertise in incident response and vulnerability management processes, emphasising the critical communication skills necessary for effective security analysis and compliance. Learning Objectives: - Enhance security operations processes, differentiate threat intelligence and threat hunting, and identify malicious activity using appropriate tools. - Conduct vulnerability assessments, prioritize vulnerabilities, and recommend effective mitigation strategies for vulnerability management. - Apply attack methodology frameworks, perform incident response, and understand the incident management lifecycle to handle security incidents effectively. - Utilise communication best practices to report on vulnerability management and incident response, providing stakeholders with actionable plans and meaningful metrics. Who Should Enroll: - Security Operations Analyst - Digital Forensics Investigator - Cyber Defence Analyst - Vulnerability and Compliance Analyst Pre-requisites: Network+, Security+, with a minimum of 4 years of hands-on experience in a security operations centre (SOC), or equivalent experience.	Course Outline: CompTIA Data+ is an entry-level data analytics certification that validates practical skills in transforming raw data into actionable insights. It equips professionals to analyse, interpret, and communicate data effectively, enabling them to solve real business problems, enhance organisational decision-making, and demonstrate value to employers in data-driven environments. Learning Objectives: - Build a foundation in modern data concepts to navigate analytics tools and data sources effectively. - Transform, clean, and organise raw data to ensure it is accurate and reliable for analysis. - Apply statistical methods to identify trends, uncover insights, and support business decisions. - Create data visualisations and dashboards to present complex results clearly and effectively. - Maintain data quality, ensure compliance, and protect sensitive information in line with industry standards. - Solve data problems, validate reports, and address analytics issues in real-world scenarios. Who Should Enroll: - Data Analyst - Data Specialist - Business Analyst Pre-requisites: 18–24 months in a data analyst or similar job role, with exposure to databases, analytical tools, basic statistics, and data visualisation



Plus Series

DataSys+	Linux+	Network+ (N+)
Duration 5 Days	Duration 5 Days	Duration 5 Days
Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced
Exam DS0-001	Exam XK0-006	Exam N10-009
Course Outline: This course is designed for professionals with 2–3 years of experience in database administration. It validates the skills needed to deploy, manage, and secure data systems while ensuring business continuity and compliance with industry standards. It is vendor-neutral and equips learners with the knowledge to build, support, and maintain databases, implement security best practices, and manage data assets in complex data environments. Learning Objectives: - Understand database structures and develop, modify, and execute SQL code to manage data across multiple operating systems. - Plan, design, implement, test, and optimise databases for efficient deployment and operation. - Monitor performance, perform maintenance, and produce documentation to support effective database management. - Secure databases, manage access, protect against threats, and ensure regulatory compliance. - Implement backup, restoration, and disaster recovery practices to maintain database reliability and continuity. Who Should Enroll: - Database Administrator - Systems Administrator - Database Engineer - Database Developer (SQL) Pre-requisites: 2–3 years of experience in a database administrator role is recommended	Course Outline: This course validates the skills required to manage, secure, and troubleshoot Linux systems in cloud and hybrid environments. It emphasises automation, orchestration, scripting, and containerisation to support efficient system administration and service deployment. Learners gain hands-on experience preparing them to secure Linux infrastructure, automate workflows, and tackle real-world operational challenges. Learning Objectives: - Configure and manage Linux systems, storage, networks, and services in cloud and hybrid environments. - Apply best practices including permissions, authentication, firewalls, and system hardening. - Automate administration tasks and streamline operations with shell scripting, Python, and configuration management tools. - Deploy, maintain, and monitor containers and virtual machines using leading technologies. - Troubleshoot system, network, security, and application issues to ensure uptime and reliability for business operations. Who Should Enroll: - Linux Systems Administrator - Systems Engineer - DevOps Engineer - Cloud Systems Administrator Pre-requisites: 12 months of hands-on experience with Linux servers - CompTIA A+, Network+, or Server+, or comparable knowledge is recommended.	Course Outline: Network+ (N+) is the leading vendor-neutral course for developing and validating essential networking skills, including network connectivity, documentation, service configuration, data centres, cloud and virtual networking, monitoring, troubleshooting, and security hardening. With hands-on experience, it prepares learners for careers in technical support, network operations, and system administration, equipping them to effectively manage, secure, and optimise modern networks. Learning Objectives: - Deploy wired and wireless devices, covering IP addressing, ports, protocols, and network architecture for network deployment. - Understand documentation, life-cycle, change, and configuration management processes and procedures. - Grasp virtualisation, cloud service models, elasticity, and scalability to apply cloud concepts. - Monitor networks for high availability and resolve connectivity issues to maintain network performance. - Establish secure networks and mitigate vulnerabilities to strengthen security. - Diagnose and resolve network issues using appropriate tools for effective troubleshooting. Who Should Enroll: - Technical Support Specialist - System Administrator Pre-requisites: - CompTIA A+ 9–12 months experience in a junior network role



Plus Series

PenTest+	Project+	Security+
Duration 5 Days	Duration 5 Days	Duration 5 Days
Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced
Exam PTO-003	Exam PK0-005	Exam SY0-701
Course Outline: This course provides comprehensive training in identifying, mitigating, and reporting system vulnerabilities. The course covers all stages of penetration testing across cloud environments, web applications, APIs, and IoT devices, Emphasising hands-on skills such as vulnerability management, lateral movement, and attack simulation, it equips learners with the practical expertise needed to perform penetration testing activities. Learning Objectives: - Plan and scope penetration tests in line with legal and ethical requirements, and produce clear reports with remediation recommendations. - Conduct active and passive reconnaissance to gather intelligence and enumerate systems. - Perform and analyse vulnerability scans to validate and prioritise security weaknesses. - Execute network, host, web application, and cloud-based attacks using appropriate tools and techniques. - Maintain persistence, perform lateral movement, and document post-exploitation findings to support remediation. Who Should Enroll: - Cybersecurity Analyst - Security Engineer Pre-requisites: - Network+ and Security+ or equivalent knowledge 3–4 years experience in cybersecurity	Course Outline: CompTIA Project+ is the only industry certification designed to teach the entry-level skills needed to successfully manage small to medium-sized projects. It provides learners with capabilities in planning, executing, and delivering projects on time and within scope while ensuring effective communication and resource management by focussing on practical, hands-on skills to tackle real-world project challenges. Learning Objectives: - Understand the properties of a project, including phases, schedules, roles and responsibilities, cost controls, and the fundamental aspects of agile methodology. - Analyse the impact of various constraint variables and influences throughout a project while applying risk strategies and activities. - Implement appropriate communication methods and change control processes within the context of a project. - Utilise various project management tools and create project and partner-centric documentation to support project success. Who Should Enroll: - Network Engineer - Systems Administrator - Operations Manager - Programme Administrator Pre-requisites: 6–12 months of hands-on experience of projects in a tech environment	Course Outline: Security+ is the premier vendor-neutral course that builds foundational IT security skills for core security roles. It emphasises hands-on techniques to secure networks, applications, and devices while ensuring data integrity, confidentiality, and availability. Learners gain practical experience addressing real-world cybersecurity challenges, preparing them to manage threats and protect organisational assets across diverse environments. Learning Objectives: - Identify threats and vulnerabilities, including malware, social engineering, and application attacks. - Use security tools such as firewalls, IDS, and endpoint protection. - Design secure networks, implement systems, and apply secure protocols. - Manage identity and access controls. - Assess and mitigate risks, including business continuity planning. - Apply cryptography to protect data. - Implement security policies and best practices to ensure compliance. Who Should Enroll: - Network Administrator - Systems Administrator - IT Support Specialist Pre-requisites: - Network+ 2 years experience in a security / systems administrator role (or similar)



Plus Series

Server+		Tech+	
Duration	5 Days	Duration	5 Days
Delivery	ILT / VILT / Self-paced	Delivery	ILT / VILT / Self-paced
Exam	SK0-005	Exam	FC0-U71
Course Outline: Server+ is the premier, vendor-neutral program that validates the skills required for server installation, management, and troubleshooting across data centres, on-premises, and hybrid environments. The course covers critical areas including server hardware, administration, security, disaster recovery, and troubleshooting, providing hands-on experience with real-world server operations, enhancing their ability to support enterprise infrastructure and advance careers in the growing field of server management. Learning Objectives: • Install physical hardware, configure storage solutions, and perform hardware maintenance for server installation and management. • Manage server operating systems, configure network services, implement high availability, and utilise virtualisation technologies for effective server administration. • Apply server hardening techniques, implement data security measures, and develop disaster recovery and backup strategies. • Diagnose and resolve issues related to hardware, software, connectivity, storage, and security through troubleshooting. Who Should Enroll: • Systems Administrator • Network Administrator • Data Centre Technician • IT Support Specialist Pre-requisites: • CompTIA A+ or equivalent knowledge • 2 years of experience in a server environment		Course Outline: Tech+ is the essential vendor-neutral course for anyone exploring a career in tech. It provides the foundational knowledge and hands-on skills needed to navigate today's digital world, giving learners the confidence to take the first step toward a tech-related career. The focus on practical, real-world skills helps to embed core tech concepts, troubleshoot basic issues, and builds a strong foundation for future learning and growth in the tech industry. Learning Objectives: • Understand notational systems, computing basics, the value of data, and troubleshooting methodology. • Learn to set up and install common peripheral devices, configure wireless networks, and understand virtualisation and cloud technologies. • Gain knowledge of operating systems, application software, web browser features, and artificial intelligence tools like chatbots and generative AI. • Apply programming language categories, organisational techniques, logic concepts, and foundational programming principles in software development. • Understand database concepts, structures, and uses, as well as backup methods and the value of data in decision-making. • Learn best practices for securing devices, managing passwords, and using encryption to protect data at rest and in transit. Who Should Enroll: • Help Desk Technician • Desktop Support Technician • IT Operations Assistant • Field Service Technician Pre-requisites: • None	
			



CompTIA Expansion Series



SecAI+
AutoOps+(Coming in June 2026)

Practical Skills for Evolving Technology Roles

The Expert series is the pinnacle of the Focused on accessible, modular learning rather than deep specialisation, the CompTIA Expansion Series is a portfolio of short, skills-focused programs that extend professional capability beyond core IT certifications into practical, workplace-ready competencies. Designed for rapid upskilling, the series complements existing skills through concise, outcome-driven training that delivers measurable value in real-world environments.

Expansion Series

SecAI+	AutoOps+
Duration 5 Days	Duration 5 Days
Delivery ILT / VILT / Self-paced	Delivery ILT / VILT / Self-paced
Exam CY0-001	Exam TBC – June 2026
Course Outline: SecAI+ is designed to help professionals secure, govern, and responsibly integrate artificial intelligence into cybersecurity operations. Participants develop the skills required to defend AI systems, meet global compliance expectations, and use AI to enhance threat detection, automation, and innovation—strengthening their expertise while helping organisations protect systems and data. Learning Objectives: • Apply AI concepts to strengthen your organisation’s cybersecurity posture. • Secure AI systems using advanced controls and protections to safeguard data, models, and infrastructure. • Leverage AI technologies to automate workflows, accelerate incident response, and scale security operations. • Navigate global GRC frameworks to ensure ethical and compliant AI adoption across industries. • Defend against AI-driven threats like adversarial attacks, automated malware, and malicious use of generative AI. • Integrate AI securely into DevSecOps pipelines and enterprise security strategies. Who Should Enroll: • Security analysts and engineers • IT and security architects • Governance, risk, and compliance (GRC) practitioners • SOC and incident response teams • Technology managers and technical leaders Pre-requisites: • 3–4 years in IT and 2+ years hands-on cybersecurity • Security+, CySA+, PenTest+, or equivalent recommended	Course Outline: CompTIA AutoOps+ validates your skills to automate, secure, and optimise IT operations across cloud and hybrid environments. As part of CompTIA’s new Expansion Series, AutoOps+ is designed to augment your core IT competencies with specialised expertise in automation, scripting, and infrastructure management. Gain hands-on experience to bridge traditional IT roles with modern DevOps practices. Learning Objectives: • Use scripting and automation to streamline IT workflows and manage enterprise systems efficiently. • Automate configuration, provisioning, and maintenance using infrastructure-as-code and modern toolchains. • Build and manage CI pipelines to automate testing, ensure quality, and improve collaboration between teams. • Implement secure, compliant delivery pipelines that enable rapid, reliable deployment and operational efficiency. Who Should Enroll: • Systems administrators • IT operations • Cloud and platform administrators • DevOps and platform engineers • Network and infrastructure engineers • Technical support and operations teams Pre-requisites: • 2–3 years in a core IT operations role (e.g., network, cloud, or systems administrator) • Network+, Linux+, Cloud+, or Server+



CompTIA Xpert Series



CloudNetX
DataX
SecurityX

Master enterprise-level IT strategy and leadership.

The Expert series is the pinnacle of the CompTIA learning path designed for seasoned professionals ready to lead, architect, and innovate. Develop advanced competencies in IT governance, infrastructure design, cybersecurity strategy, and organisational transformation. These courses help you align technology initiatives with business objectives and demonstrate mastery through top-tier certifications. Become a recognised authority in your field with the expertise to drive strategic impact at scale.

Cloud Networking Expert



CloudNetX

Duration	5 Days
Delivery	Self-paced/ILT/VILT
Delivery	CNX-001

Course Outline:

CloudNetX provides advanced, vendor-neutral training in designing and implementing secure, scalable networking solutions for hybrid environments. The course covers security architecture, network monitoring, performance optimisation, and advanced troubleshooting, with hands-on focus areas such as Zero Trust design and implementation. It equips professionals with the practical skills needed to design resilient enterprise networks and operate effectively in complex, cloud-integrated environments.

Learning Objectives:

- Analyse business requirements and design secure network architectures tailored for hybrid environments.
- Implement Zero Trust principles, configure access controls, and secure hybrid networks to enhance network security.
- Use tools to monitor network performance, automate tasks, and maintain reliable network environments for effective network monitoring and operations.
- Diagnose and resolve connectivity, performance, and security issues to troubleshoot hybrid networks effectively.

Who Should Enroll:

- Network Engineers and Senior Network Administrators
- Security Engineers and Architects
- Cloud and Infrastructure Engineers
- Solutions and Enterprise Architects

Pre-requisites:

- Knowledge equivalent to Network+, Security+, and Cloud+
- At least 10 years of IT experience, including 5 years in a network architect role, with hybrid cloud environments



Data AI Expert



DataAI Xpert

Duration	5 Days
Delivery	Self-paced/ILT/VILT
Delivery	DY0-001

Course Outline:
 The DataAI course is an advanced, vendor-neutral program designed for experienced data professionals seeking to strengthen their expertise in data science. The course focuses on analysing complex data sets, applying advanced analytical and statistical techniques, and implementing data-driven solutions that support strategic decision-making. Learners develop the ability to translate sophisticated data analysis into clear, actionable insights that drive business performance, innovation, and sustainable growth across diverse organisational environments.

- Learning Objectives:**
- Apply mathematical and statistical methods appropriately, including data processing, cleaning, statistical modelling, linear algebra, and calculus concepts.
 - Utilise appropriate analysis and modelling methods to make justified model recommendations for modelling, analysis, and outcomes.
 - Implement machine learning models and understand deep learning concepts to advance data science capabilities.
 - Implement data science operations and processes effectively to support organisational goals.
 - Demonstrate an understanding of industry trends and specialised applications of data science in various fields

- Who Should Enroll:**
- Experienced Data Analysts and Data Scientists
 - Senior Business and Analytics Professionals
 - Machine Learning and AI Practitioners
 - Data Engineers and Architects

- Pre-requisites:**
- 5+ years in data science or a similar role



Security Expert

SecurityX

Duration	5 Days
Delivery	Self-paced/ILT/VILT
Delivery	DY0-001

Course Outline:

SecurityX Course is an advanced, vendor-neutral program designed for experienced cybersecurity professionals, including security architects and senior security engineers. The course focuses on designing, building, and implementing secure solutions across complex enterprise environments. Learners gain practical skills to ensure system resilience, enforce governance, manage risk, and maintain regulatory compliance. With hands-on exercises and real-world scenarios, the course prepares professionals to lead security initiatives, protect critical assets, and strengthen organisational cybersecurity posture effectively.

Learning Objectives:

- Design, implement, and integrate secure solutions across complex environments to support a resilient enterprise in security architecture and engineering.
- Use automation, monitoring, detection, and incident response to proactively support ongoing security operations.
- Apply security practices to cloud, on-premises, and hybrid environments to ensure enterprise-wide protection.
- Utilise cryptographic technologies and techniques while evaluating the impact of emerging trends, such as artificial intelligence, on information security.
- Implement governance, compliance, risk management, and threat modelling strategies across the enterprise.
- Validate advanced, hands-on skills in security architecture and senior security engineering within live environments.

Who Should Enroll:

- Security Architects and Senior Security Engineers
- Cybersecurity Managers
- Risk, Compliance and Governance Managers
- Enterprise Architects and Security Architects

Pre-requisites:

- Network+, Security+, CySA+, Cloud+, and PenTest+ or equivalent knowledge
- Minimum of 10 years of general hands-on IT experience, including 5 years of hands-on security





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