Cyber Security Expert

(CompTIA A+, Network+, Security+, Pentest+, CASP+ & N.Cert in IT Systems Support NQF 5)

Careers Business Institute has been empowering the community since its inception in 1991. We provide a comprehensive range of Management, Office Administration, Financial and IT courses that have been designed to help you launch your successful career.
The Careers Training Group has campuses in Umhlanga Ridge and at the Chatsworth Centre in Kwazulu Natal

Microsoft CERTIFIED Partner

CompTIA AUTHORIZED PARTNER

MICTSETA

Careers Business Institute – Cyber Security Expert NQF 5

What is Cyber Security?

Cybersecurity refers to any technology, measure or practice for preventing cyberattacks or mitigating their impact. Cybersecurity aims to protect individuals' and organizations' systems, applications, computing devices, sensitive data and financial assets against computer viruses, sophisticated and costly ransomware attacks, and more. According to a recent government report, the number of cyber-attacks on businesses in South Africa increased by 76% in 2023 increasing demand for specialists in the industry by over 300% year on year (Business live 2023)

Cyber Security – The Golden Ticket

Imagine a career that offers you high earnings, global opportunities, and constant challenges. A career that is in high demand and will never go out of style. A career that can make a difference by protecting people and businesses from cyber threats.

Doros Hadjizenonos, Regional Director for Southern Africa at Fortinet, believes that young South Africans can benefit from the current cybersecurity skills gap and turn it into a lucrative and satisfying profession.

"Employers around the world are actively seeking cybersecurity professionals with a range of skills," says Hadjizenonos. A recent (ISC) Cybersecurity Workforce Study revealed a cybersecurity skills gap of as many as 3.4 million professionals worldwide, while the 2022 JCSE-IITPSA ICT Skills Survey also highlighted significant skills shortages faced by employers in the information security/cybersecurity field.

Without enough cybersecurity resources to protect them, it's perhaps no surprise that organizations are getting attacked more often,

Costing millions of dollars. Amid this sharp increase in breaches, a recent 2023 Global Cybersecurity Skills Gap Report showed that most organizations are looking to hire more security staff, but are struggling to fill vacant positions. (Security SA 2023)

The CompTIA Security+ Solution

Based in America, the Computing Technology Industry Association (CompTIA) is a leading voice and advocate for the $5 trillion global information technology ecosystem; and the estimated 75 million industry and tech professionals who design, implement, manage and safeguard the technology that powers the world's economy. As an Accredited Training Partner Careers Business Institute have been running CompTIA courses for over 15 years in South Africa.

Upskill yourself with Careers Business Institute!

The CompTIA Security+ Part time program has been developed to allow candidates who are unable to attend during regular class times to attend lessons while having little impact on their work/home life. To complete this program candidates would be required to pass the CompTIA A+ (Core), CompTIA N+ (Network+) and CompTIA Security+ certifications.

CompTIA Security+ represents the latest and greatest in cybersecurity, covering the most in-

demand skills related to current threats, automation, zero trust, IoT, risk – and more. Once certified, you'll understand the core skills needed to succeed on the job – being able to protect an organization on multiple levels. The Security+ course verifies you have the knowledge and skills required to:

- Assess the security posture of an enterprise environment and recommend and implement appropriate security solutions.
- Monitor and secure hybrid environments, including cloud, mobile, Internet of Things (IoT), and operational technology.
- Operate with an awareness of applicable regulations and policies, including principles of governance, risk, and compliance.
- Identify, analyze, and respond to security events and incidents.

The Cybersecurity expert Certification is a comprehensive program put in place to ensure candidates have the exact skills required to safeguard Data and Systems. Remember A+ & N+ Certifications mean that you are now able to upgrade and fix software and hardware issues on PC's and Laptops while ensuring all network connectivity remains optimal within the business (Critical Skills required in every office!)

The MICT & Microsoft Solution

Students also have the option of continuing their studies through CompTIA programs offered at Careers Business Institute. Do you wish to focus your career on the field of Cyber Security? Why not join the CompTIA CySA+ and become a Certified Cyber Security Analyst? Interested in Data Science, Software Development, AI, Coding & Application building? You can take that next step! Contact a Careers Business Institute Campus to find more about these courses and their requirements!

Microsoft Software is used by almost every Company Worldwide in some form. Its widespread use means it's crucial in many roles in and out of IT, making it the ultimate transferable skill. Careers Business Institute have been offering Seta & Microsoft courses for over 15 years in South Africa. Making our College one of the most trusted in KwaZulu-Natal.

National Certificate in IT: Systems Support at Careers Business Institute

The National Certificate in IT: Systems Support – NQF 5 is designed to equip learners with the essential skills and knowledge required for a successful career in the IT systems support industry. This qualification focuses on developing competencies in managing and maintaining computer hardware and software systems, as well as providing technical support for network and server environments.


Participants will gain practical experience and theoretical knowledge necessary for troubleshooting, configuring, and optimizing IT systems. This qualification is ideal for those looking to advance their careers in IT support or pursue further studies in related fields.

Is a Cyber Security Career for me?

If you are a young person who wants to pursue a career in cybersecurity, you should be passionate about computing, at Careers Business Institute we believe that anyone can study IT however we do advise that students be prepared to cover Technical subjects that will help you to understand the scientific principles of cybersecurity.

Not all cybersecurity roles require deep technical skills, but ideally anyone working in cybersecurity is technically-minded, curious, and logical. Successful cybersecurity professionals are also generally collaborative, committed to ongoing learning, and enjoy 'staying ahead of the game' when it comes to understanding attack methods and protecting their organizations against them. They may also need to be strategic and good at communicating with colleagues at all levels.

Careers Business Institute – Cyber Security Expert NQF 5
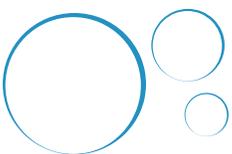
Year 1 Module Breakdown:
Module Breakdown: CompTIA A+ (Core)

- Installing and Configuring PC Components
- Network Infrastructure Concepts
- Supporting and Troubleshooting Laptops and Mobile Devices
- Implementing Client Virtualization and Cloud Computing
- Supporting Operating Systems
- Installing, Maintaining and Configuring Operating Systems
- Managing Users, Workstations and Shared Resources
- Security Concepts and Troubleshooting Security Issues
- Securing Workstations and Data
- Implementing Operational Procedures
- File management

Module Breakdown: CompTIA Network+

- Network Fundamentals
- The OSI Model
- Major Network Operating Systems
- TCP/IP Fundamentals
- TCP/IP Utilities
- Network Installation and Upgrades
- Network Remote Access
- Network Administration
- Network Security
- Fault Tolerance and Disaster Recovery
- Configuring and Troubleshooting Networks

Module Breakdown: National Certificate in IT Systems Support NQF 5

- Personal Development
- Network Concepts, Architecture & Standards
- Assembling, Installing, Maintaining a Server
- Client Server Networking
- Enterprise Development
- Design a LAN for a Departmental Office
- Configuration & Administration of a Server & Peripherals

Minimum Requirements & Details

Minimum Requirements: Grade 12 (English & Math Literacy) or Further Education & Training Certificate in IT – Technical Support (NQF 4)

Full - Time: 2 Years

Includes FREE i5 Laptop & Learning Materials – No hidden costs!

Exam Code: A+ (Core) (220-1001 & 220-1002). Exam Code: Network+ (N10-007). Exam Code: Security+ (SYO-701). Exam Code: CySA+ (CS0-003). Exam Code: Pentest+ (PT0-002 & PT0-003). Exam Code: CASP+ (CAS-004) – (Optional CompTIA Exams)

Certification:

- Careers IT – Cybersecurity Expert Certification
- MICT SETA: National Certificate in IT: Systems Support NQ5 SAQA ID 48573 Credits: 147

Year 2 Module Breakdown: Module Breakdown: CompTIA Security+

- Identifying Security Fundamentals
- Analyzing Risk
- Identifying Security Threats
- Conducting Security Assessments
- Implementing Host and Software Security
- Implementing Network Security
- Managing Identity and Access
- Implementing Cryptography
- Implementing Operational Security
- Addressing Security Issues
- Ensuring Business Continuity

Module Breakdown: CompTIA Cybersecurity Analyst (CySA+)

- Leverage, Intelligence & Threat Detection Techniques
- Analyze & Interpret Data
- Identify & Address Vulnerabilities
- Suggest Penetrative measures
- Effectively Respond to and Recover from Incidents

Module Breakdown: CompTIA Pentest+

- Plan & Scope a Penetration testing engagement
- Understand Legal & Compliance requirements
- Perform Vulnerability, Scanning & Penetration Testing
- Produce a written report containing Proposed Remediation techniques

Module Breakdown: CompTIA Advanced Security Practitioner (CASP+)

- Architect, Engineer, Integrate & Implement Secure solutions
- Use Monitoring, Detection, Incident Response & Automation to proactively support ongoing security
- Apply Security practices to Cloud, On-premises, End-point & Mobile infrastructure
- Consider the impact of Governance, Risk & Compliance requirements throughout the enterprise

Course Fees

Careers Business Institute have developed easy payment options for all courses. Please enquire for a full fee schedule!