Cyber Security Analyst (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

sage Pastel Business Partner Authorised Training Centre

QCTO Quality Council for Trades & Occupations

Cyber Security Analyst (NQF 5)

What is a Cyber Security Analyst?

A Cybersecurity analyst protects company hardware, software, and networks from cybercriminals. The analyst's primary role is to understand company IT infrastructure in detail, to monitor it at all times, and to evaluate threats that could potentially breach the network. The cybersecurity analyst continuously looks for ways to enhance company network security and protect its sensitive information.

As businesses grow and expand digitally, so too will the demand for cybersecurity professionals grow and expand.

Survey reports like ISACA's State of Cybersecurity have revealed that IT and digital trust professionals who have a mix of technical and soft skills, including communication and critical thinking, are in high-demand. Candidates who demonstrate proficiency in both areas of skill will have a competitive advantage among other applicants, as will those who have earned relevant cybersecurity certifications.

The Cyber Security Analyst Solution by Quality Council for Trades & Occupations (QCTO)

The QCTO is responsible for overseeing the development, implementation and maintenance of qualifications within the South African National Qualifications Framework (NQF).
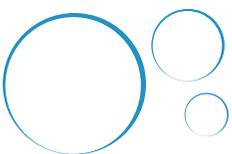

As an integral part of South Africa's education and training system, the QCTO is responsible for ensuring that the skills development programmes meet the required standards and are in line with South Africa's economic and social goals. By setting and maintaining high standards, the QCTO contributes to the overall improvement of skill development and workforce quality.

Is a Cyber Security Analyst Career for me?

Cybersecurity Career have the following characteristics; Adaptability, resourcefulness, and the ability to troubleshoot and problem-solve in high-pressure situations. They also have good communication and teamwork skills.

If you are any of these archetypes, you may be well suited to be a Cybersecurity analyst.

Cyber Security Analyst (NQF 5) certification at Careers Business Institute

Cyber Security Analyst (NQF 5) program prepares students to work as cybersecurity analysts, focusing on protecting networks, computer systems, and information resources from malicious attacks. It involves assessing and mitigating risks, identifying vulnerabilities, and addressing security issues to ensure regulatory compliance.

This course teaches students about cybersecurity issues, and their impact on communities, society, the ICT sector, and the economy. It also teaches how cybercrime disrupts businesses, responds to incidents, and analyzes results. Learners will also evaluate the design of efficient security solutions and learn about fundamental network security concepts like firewalls, intrusion detection systems, and VPNs.

Careers Business Institute have been producing professional graduates for over 30 years, being Nationally & Internationally accredited has assisted our alumni in finding employment sooner!

I'm a Certified Cybersecurity Analyst, What now?

Certified Cyber security analysts have a wide range of Career Opportunities available. We have listed some of the more widely available careers for certified Analysts;

- Cybersecurity Analyst
- Network Security Analyst
- Cybersecurity Consultant
- Threat Intelligence Analyst

Students have the option of specialization through Information Technology (IT) programs offered at Careers Business Institute. Are you looking to become a Computer Technician or a Cyber Security Specialist? Join the Artificial Intelligence Software Development (NQF 5) or move onto the Cyber Security Expert (NQF 5) Qualification to have access to higher level IT employment opportunities. Contact a Careers Business Institute Campus to find more about these courses and their requirements!

Cyber Security Analyst (NQF 5)

Course Breakdown: Knowledge Modules

- Introduction to Cybersecurity
- Fundamentals of Network Security and Defense
- Cybersecurity and Cyber Threats and Attacks
- Introduction to Cybersecurity Governance, Legislation and Ethics
- Fundamentals of Design Thinking and Innovation
- Logical Thinking and Basic Calculations
- Computers, Devices and Computing Systems
- Data and Database Vulnerabilities,
- Introduction to 4IR and Future Skills

Course Breakdown: Practical Modules

- Ensure Compliance in terms of Legal Cybersecurity Requirements and National and International Standards
- Assess Risks and Vulnerabilities and Current Security Measures
- Implement Protection, Prevention and Detection Measures to Mitigate Risk, Violations and Vulnerabilities
- Apply Logical Thinking and Math
- Apply Basic Scriptwriting for Cybersecurity Toolsets
- Access and Visualize Structured Data Using Spreadsheets
- Apply Design Thinking Methodologies
- Function Ethically and Effectively as a Member of a Multidisciplinary Team

Course Breakdown: Work Experience Modules

- Compliance with Legal Cybersecurity Requirements
- Cybersecurity Risk Assessment and Mitigation
- Cybersecurity Detection, Protection and Prevention Processes

CAREER GUIDE: CYBERSECURITY ANALYSTS IN HIGH DEMAND

What you need to know to position yourself for important, high-paying jobs

Minimum Requirements & Details

Minimum Requirements: Grade 12 (English) or any NQF 4 Qualification

Full - Time: 2 Years (Part time also available)

SAQA ID: 118986   Credits: 173

Assessment method: External Integrated Summative Assessment (EISA).

Includes FREE Learning Materials – No hidden costs!

Course Fees

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