



Occupational Certificate: Cybersecurity Analyst

About This Programme

This qualification prepares learners to work as Cybersecurity Analysts who protect networks, computer systems, and information assets from cyber threats and malicious attacks. Learners develop skills to identify vulnerabilities, assess risks, implement security measures, and ensure legal compliance within digital environments.

Studying This Course May Be a Good Option If

- You want to pursue a career as a Cybersecurity Analyst, Information Security Specialist, Security Analyst, Cyber Monitoring Analyst, Security Consultant or Network Security Analyst.
- You are a school leaver, TVET graduate, or currently employed in IT without formal recognition of your skills.
- You want to work at the front line of protecting organizations from cyber threats.

Upon Completion, You Should Be Able To

- Analyze, identify and solve potential and actual security risks, vulnerabilities and inefficiencies to safeguard information system assets from malicious cybersecurity attacks.
- Protect an organization's digital assets from internal and external threats through attack mitigation and incident response.
- Execute ethical cybersecurity monitoring in line with policy to defend the confidentiality, integrity and availability of assets.
- Execute response procedures to mitigate cyber-attacks and secure information assets, intellectual property and computer systems.
- Execute recovery protocols and procedures to restore data and assets affected by cybersecurity incidents.

Accreditation & Duration

Accreditation

- Accredited by the Quality Council for Trades and Occupations (QCTO)
- SAQA ID: 118986
- NQF Level 5
- 173 Credits

Duration & Mode

- 12 – 24 Months
- Blended learning
- Category: Information Technology

Entry Requirements

- NQF Level 4 qualification (Grade 12 / Matric or equivalent) with basic computer literacy.



Qualification Structure

The qualification is made up of three interlinked components, combining theory, practical skill-building, and real workplace experience totaling 173 credits.

Knowledge Modules (53 credits)

- 252901-001-00-KM-01 Introduction to Cybersecurity, Level 4, 8 Credits.
- 252901-001-00-KM-02 Fundamentals of Network Security and Defense, Level 5, 12 Credits.
- 252901-001-00-KM-03 Cybersecurity and Cyber Threats and Attacks, Level 5, 12 Credits.
- 252901-001-00-KM-04 Introduction to Cybersecurity Governance, Legislation and Ethics Level 4, 4 Credits.
- 252901-001-00-KM-05 Fundamentals of Design Thinking and Innovation, Level 4, 1 Credit.
- 252901-001-00-KM-06 Logical Thinking and Basic Calculations, Level 4, 3 Credits.
- 252901-001-00-KM-07 Computers, Devices and Computing Systems, Level 4, 6 Credits.
- 252901-001-00-KM-08 Data and Database Vulnerabilities, Level 4, 3 Credits.
- 252901-001-00-KM-09 Introduction to 4IR and Future Skills, Level 4, 4 Credits.

Practical Skill Modules (68 credits)

- 252901-001-00-PM-01 Ensure Compliance in terms of Legal Cybersecurity Requirements and National and International Standards, Level 5, 4 Credits.
- 252901-001-00-PM-02 Assess Risks and Vulnerabilities and Current Security Measures, Level 5, 20 Credits.
- 252901-001-00-PM-03 Implement Protection, Prevention and Detection Measures to Mitigate Risk, Violations and Vulnerabilities, Level 5, 20 Credits.
- 252901-001-00-PM-04 Apply Logical Thinking and Math's, Level 4, 6 Credits.
- 252901-001-00-PM-05 Apply Basic Scriptwriting for Cybersecurity Toolsets, Level 4, 4 Credits.
- 252901-001-00-PM-06 Access and Visualize Structured Data Using Spreadsheets, Level 4, 5 Credits.
- 252901-001-00-PM-07 Apply Design Thinking Methodologies, Level 4, 4 Credits.
- 252901-001-00-PM-08 Function Ethically and Effectively as a Member of a Multidisciplinary Team, Level 4, 5 Credits.

Work Experience Modules (52 credits)

- 252901-001-00-WM-01 Compliance with Legal Cybersecurity Requirements, Level 5, 12 Credits.
- 252901-001-00-WM-02 Cybersecurity Risk Assessment and Mitigation, Level 5, 20 Credits.
- 252901-001-00-WM-03 Cybersecurity Detection, Protection and Prevention Processes, Level 5, 20 Credits.



Certification

On successful completion of all modules and the QCTO-administered External Integrated Summative Assessment (EISA), learners are awarded the Occupational Certificate: Cybersecurity Analyst

Who Is This For?

- Aspiring cybersecurity, information security and network security professionals.
- IT professionals looking to formalize and gain recognition for existing skills.
- School leavers and TVET graduates seeking entry into a high-demand, future-focused field.

Articulation Options

- Horizontal: Higher Certificate in Computer Forensics, NQF Level 5.
- Vertical: Advanced Certificate in Information Security, NQF Level 6.

Contact Details

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