



## Executive Summary

<b>Qualification</b>	Occupational Certificate: Cybersecurity Analyst
<b>Purpose</b>	<p>The Occupational Certificate: Cybersecurity Analyst prepares learners to protect organisational information systems, networks and digital assets from cyber threats, vulnerabilities and attacks.</p> <p>Cybersecurity Analysts play a critical role in modern organisations by ensuring the confidentiality, integrity and availability of information systems. They identify and assess risks, implement protection and prevention measures, monitor systems for potential threats and respond effectively to cybersecurity incidents.</p>
<b>Qualification ID</b>	118986
<b>NQF Level</b>	5
<b>Minimum Credits</b>	173
<b>Duration</b>	12 to 18 months
<b>Field</b>	Physical, Mathematical, Computer and Life Sciences
<b>Subfield</b>	Information Technology and Computer Sciences
<b>Quality Partner</b>	MICT SETA
<b>Entry Requirements</b>	NQF level 4

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**Qualification Overview**

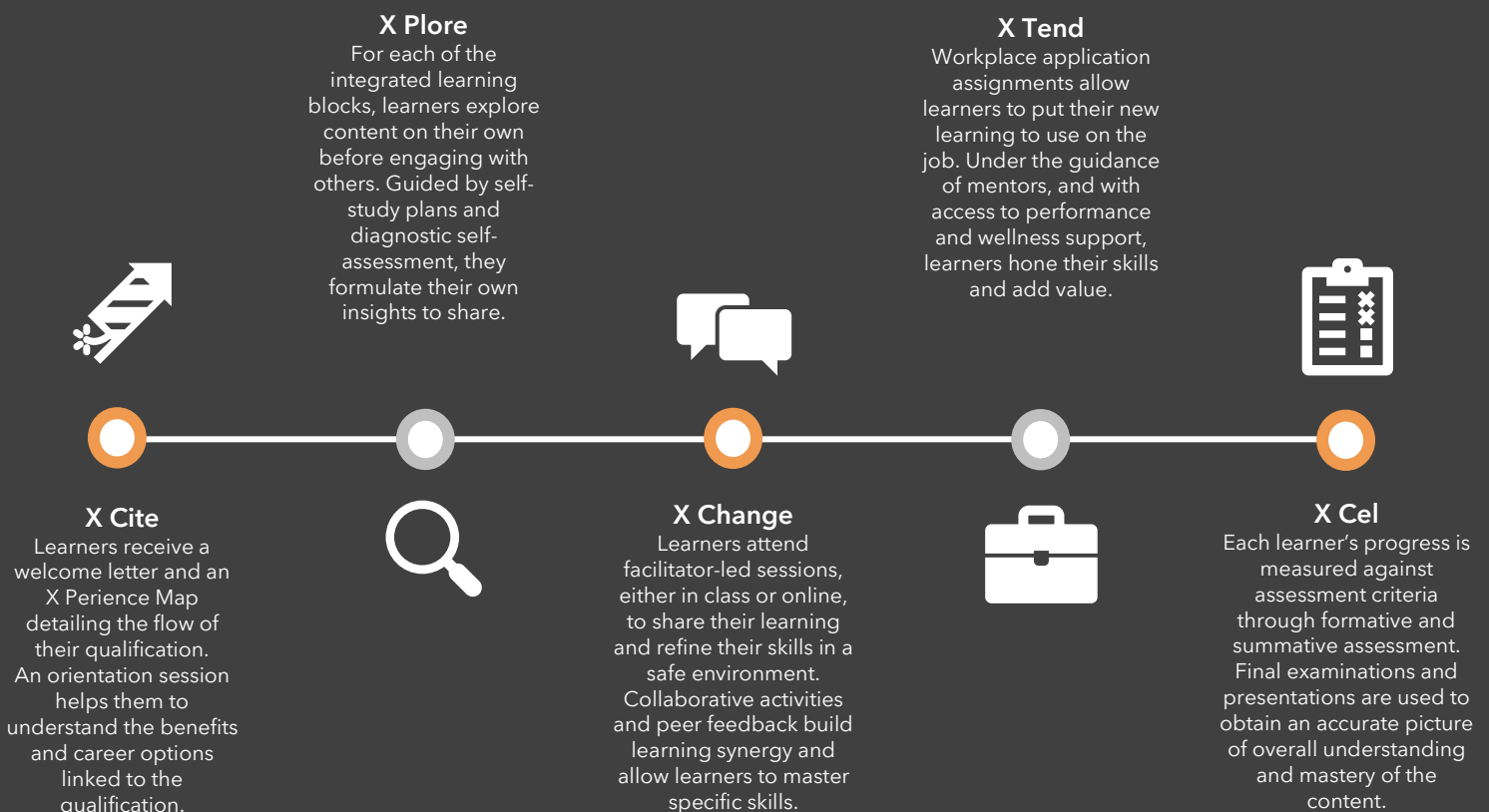
This programme develops both foundational and advanced capabilities in cybersecurity, combining technical knowledge, analytical thinking and practical application. Learners gain the competence required to assess security environments, implement cybersecurity controls and respond to breaches in line with organisational policies and legal requirements. Through an integrated combination of knowledge development, applied practical skills and structured workplace experience, learners develop the ability to operate effectively within cybersecurity environments.

On completion, learners will be able to:

- Demonstrate knowledge of cybersecurity concepts, threats and governance frameworks
- Assess risks and vulnerabilities affecting information systems and assets
- Implement protection, prevention and detection measures to mitigate cyber threats
- Monitor systems and respond to cybersecurity incidents
- Apply ethical and legal principles within cybersecurity environments

This qualification prepares learners for roles such as Cybersecurity Analyst, Security Operations Analyst, Network Security Support Specialist and ICT Security Technician.

**The KLM Empowered Learning X Perience**



## Qualification Outline

- The Occupational Certificate: Cybersecurity Analyst is presented over SIX learning blocks – covering both Knowledge Modules (KM) and Practical Modules (PM).
- Workplace Experience Modules are completed throughout the learning journey and assessed every quarter.
- Formative and summative assessments are conducted at regular intervals to prepare learners for the External Integrated Summative Assessment (EISA).

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### DIGITAL AND CYBERSECURITY FOUNDATIONS (29 Credits)

ID	Title	Level	Credits
KM-07	Computers, Devices and Computing Systems	4	6
KM-06	Logical Thinking and Basic Calculations	4	3
KM-09	Introduction to 4IR and Future Skills	4	4
PM-04	Apply Logical Thinking and Mathematics	4	6
PM-06	Access and Visualise Structured Data Using Spreadsheets	4	5
PM-08	Function Ethically and Effectively as a member of a Multidisciplinary Team	4	5

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### INTRODUCTION TO CYBERSECURITY AND THREAT LANDSCAPE (23 Credits)

ID	Title	Level	Credits
KM-01	Introduction to Cybersecurity	4	8
KM-08	Data and Databases Vulnerabilities	4	3
KM-03	Cybersecurity and Cyber Threats and Attacks (Ethical Hacking)	5	12

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### CYBERSECURITY GOVERNANCE, COMPLIANCE AND ETHICS (20 credits)

ID	Title	Level	Credits
KM-04	Introduction to Cybersecurity Governance, Legislation and Ethics	4	4
PM-01	Ensure Compliance in terms of Legal Cybersecurity Requirements and National and International Standards	5	4
WM-01	Compliance with Legal Cybersecurity Requirements	5	12

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## CYBERSECURITY RISK ASSESSMENT AND ANALYSIS (52 credits)

ID	Title	Level	Credits
KM-02	Fundamentals of Network Security and Defence (Network Defender)	5	12
PM-02	Assess Risks and Vulnerabilities and Evaluate Current Security Measures	5	20
WM-02	Cybersecurity Risk Assessment and Mitigation	5	20

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## CYBERSECURITY PROTECTION, DETECTION AND PREVENTION (40 credits)

ID	Title	Level	Credits
PM-03	Implement Protection, Prevention and Detection Measures to Mitigate Risk, Violations and Vulnerabilities	5	20
WM-03	Cybersecurity Detection, Protection and Prevention Processes	5	20

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## INNOVATION, DESIGN THINKING AND INTEGRATED CYBERSECURITY PRACTICE (9 credits)

ID	Title	Level	Credits
KM-05	Fundamentals of Design Thinking and Innovation	4	1
PM-05	Apply Basic Scriptwriting for Cybersecurity Toolsets	4	4
PM-07	Applying Design Thinking Methodologies	4	4

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