



FACT SHEET

OCCUPATIONAL CERTIFICATE: CYBERSECURITY ANALYST | NQF LEVEL 5

About the qualification

The purpose of this qualification is to prepare a learner to operate as a Cybersecurity Analyst.

Cybersecurity Analysts apply the practice of protecting assets such as networks, computer systems and information assets from malicious attacks and threats. They assess and mitigate risks and potential intrusions and identify risks and vulnerabilities. They study existing techniques for managing security issues and maintaining the security of information and systems in the working environment, ensuring legal compliance.

Type of qualification

- Demonstrate knowledge and understanding of cybersecurity concepts.
- Investigate how cybersecurity affects legal compliance and solidarity in companies and communities.
- Assess risk to assets and evaluate current cybersecurity protection measures.
- Implement detection, protection and prevention systems and respond to breaches or incidences.

Career & Job Opportunities

Jobs within Cybersecurity Analysts can include:

- Cybersecurity Specialists
- Information Security Specialists
- Security Analysts
- Penetration Tester
- Incident Responder
- Security Consultant
- Security Engineer
- Security Architect

- Threat Intelligence Analyst
- Security Operations Center (SOC) Analyst
- Forensic Analyst
- Risk Analyst
- Compliance Analyst
- Cryptographer
- Security Auditor
- Vulnerability Analyst
- Identity and Access Management (IAM) Analyst
- Network Security Engineer

Admission Requirements

- The minimum entry requirement into this qualification is an NQF Level 04 or Matric/Grade 12.

Duration

- The duration of study for this professional qualification is 12 months, where you, the learner, will be responsible for addressing the online content and completing all the necessary activities in preparation for the subject sessions and exams.

Qualification outline

Mandatory units include:

- Cryptography
- Digital Investigations and Forensics
- Communications and Incident Management
- Strategic Leadership



Subjects covered

SEMESTER 1		
SET 1	SUBJECT 1	KM01: Introduction to Cybersecurity KM02: Fundamentals of Network Security and Defence PM01: Ensure Compliance in terms of Legal Cybersecurity Requirements and National and International Standards PM02: Assess Risks and Vulnerabilities and Current Security Measures
SET 2	SUBJECT 2	KM03: Cybersecurity and Cyber Threats and Attacks KM04: Introduction to Cybersecurity Governance, Legislation and Ethics PM03: Implement Protection, Prevention and Detection Measures to Mitigate Risk, Violations and Vulnerabilities WM01: Compliance with Legal Cybersecurity Requirements
SET 3	SUBJECT 3	KM05: Fundamentals of Design Thinking and Innovation PM04: Apply Logical Thinking and Maths WM02: Cybersecurity Risk Assessment and Mitigation
		REVISION
		EXAMINATION

SEMESTER 2		
SET 4	SUBJECT 4	KM06: Logical Thinking and Basic Calculations KM07: Computers, Devices and Computing Systems PM05: Apply Basic Scriptwriting for Cybersecurity Toolsets
SET 5	SUBJECT 5	KM08: Data and Database Vulnerabilities PM06: Access and Visualise Structured Data Using Spreadsheets PM07: Apply Design Thinking Methodologies
SET 6	SUBJECT 6	KM09: Introduction to 4IR and Future Skills PM08: Function Ethically and Effectively as a Member of a Multidisciplinary Team WM03: Cybersecurity Detection, Protection and Prevention Processes
SET 7	FINALISATION OF EVIDENCE COLLECTION	REVISION
		EXAMINATION



Examination

For each subject, there will be an examination component (knowledge and practical). All subject exams will have to be successfully completed, as well as all Workplace evidence collected, logged and signed off, to be considered for the External Integrated Summative Assessment (EISA).

Course material and exam fees

Study material, textbook and examination fees are included in the tuition fee. Students are required to cover any additional costs associated with practical activities and excursions.

Language policy

All classes and assessments are conducted in English. Learners need to be able to understand spoken English and complete their assessments in English.

Disclaimer

Amilak Training Center reserves the right to change the programme content due to changes in the regulatory environment, market requirements and other reasons. All possible measures will be taken to minimise inconvenience to students.

I, _____ (student name),
hereby acknowledge that I understand the information stated in this factsheet and fully comprehend the specifics explained above pertaining to this qualification.

Student signature: _____ Date: _____



About us

We are a fully accredited Private Technical and Vocational Education and Training (TVET) College which offers a wide range of quality Online and face-to-face tertiary learning opportunities. Certificates, Diplomas & professional qualifications can be obtained in Procurement and Supply chain management, business management, accounting, information technology and engineering. In addition, we also offers customised corporate training, procurement consulting services as well as a wide range of short courses.

We are accredited as a skills development service provider under the Quality Council for Trade and Occupation (QCTO) and Department of Education (DHET). Furthermore, we are an approved Chartered Institute of Procurement and Supply (CIPS) Study and Examination Centre. Other registrations include the Institute for Chartered Bookkeepers (ICB) the Sector Education and Training Authority (SETA) (MICT & SERVICES-SETAS).

Accreditations

Department of Education (DHET): 899992818
Mict-Seta Number: ACC /2015/07/0035
QCTO – Nated N4 – N6: QCTO Nated/15/0108
CIPS Accreditation Number: 005544659
ICB Accreditation Number: 300929
Services-Seta Number: 13238

We are guided by the philosophy of excellence through education and making a difference in our communities. We offer skills development programmes that contribute to the ever increasing occupational skills in our nation and beyond.

We also offer research, workshops, conferencing and customised corporate training.

Institutions we partner with

