



Cloud Administration Occupational Certificate

NQF 4

149 Credits

SAQA ID: 118699

Accreditation : MICTSETA

This qualification equips learners with the skills to manage and optimise cloud ecosystems, opening career opportunities as Cloud Administrators across various industries and providing pathways to roles such as Cloud Specialists, Engineers, Architects, and Managers.

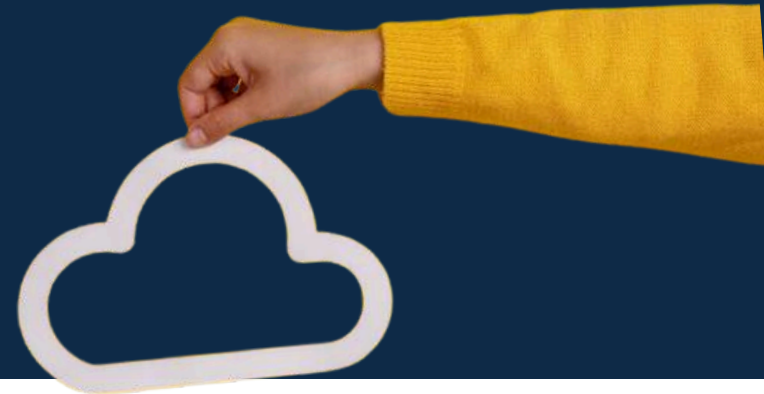
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Description

Cloud computing delivers services like servers, storage, software, and networking over the Internet, enabling faster innovation, flexibility, and cost savings. Companies can rent these services instead of owning costly infrastructure, allowing SMMEs to access IT resources and operate virtually anywhere.

The Cloud Administration NQF 4 qualification prepares learners to manage and optimise cloud ecosystems, servers, and network services. This strengthens the ICT sector, ensuring readiness for future growth in cloud computing.



Why this qualification?

The Cloud Administration NQF 4 qualification is essential in today's economy, with the cloud services industry projected to reach \$832.1 billion by 2025. As South African organisations adopt cloud-first strategies, this qualification fills a critical gap by preparing learners to manage and optimise cloud ecosystems, aligning with the Fourth Industrial Revolution and key ICT change drivers.

It is ideal for school leavers, TVET graduates, and employees without formal recognition of their skills. Cloud Administrators can work across industries and advance to roles such as Cloud Specialists, Engineers, Architects, or Managers. This qualification equips learners to ensure seamless cloud migrations and secure data management, strengthening the ICT sector and supporting businesses and communities, including rural areas.



12 Months

Take Note

Last date for enrolment

2026-12-31

Entry requirements:

NQF Level 3

Mode:

Blended learning

Outline

This qualification includes the following compulsory modules, divided into Knowledge, Practical Skill, and Work Experience components:

Knowledge Modules (38 Credits)

- Introduction to Cloud Computing (8 Credits)
- Cloud Computing Elements (8 Credits)
- Containers, Cloud Native, and Kubernetes (4 Credits)
- Cloud Security, Risks, Vulnerabilities, and Mitigation (3 Credits)
- Data and Databases in the Cloud (6 Credits)
- Fundamentals of Cloud Computing Platforms (3 Credits)
- Introduction to Cloud Computing Governance, Legislation, and Ethics (1 Credit)
- 4th Industrial Revolution (4IR) and Future Skills (4 Credits)
- Design Thinking Principles for Innovation (1 Credit)

Practical Skill Modules (55 Credits)

- Conduct Effective Server Maintenance and Optimisation (8 Credits)
- Monitor On-Demand Data Storage and Services (8 Credits)
- Provide Cloud Network Administration and Support (16 Credits)
- Implement Security Measures to Maintain Cloud Ecosystem Integrity (8 Credits)
- Access and Visualise Structured Data Using Spreadsheets (8 Credits)
- Participate in a Design Thinking for Innovation Workshop (3 Credits)
- Function Ethically and Effectively in the Workplace (4 Credits)

Work Experience Modules (56 Credits)

- Conduct Effective Server Maintenance and Optimisation (8 Credits)
- Monitor On-Demand Data Storage and Services (8 Credits)
- Provide Cloud Network Administration and Support (16 Credits)
- Implement Security Measures to Maintain Cloud Ecosystem Integrity (8 Credits)
- Access and Visualise Structured Data Using Spreadsheets (8 Credits)
- Participate in a Design Thinking for Innovation Workshop (3 Credits)
- Function Ethically and Effectively in the Workplace (4 Credits)