Occupational Certificate:
Cloud Administrator Practitioner (NQF 4)

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
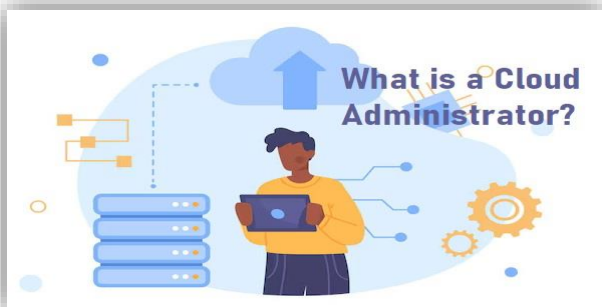
Microsoft CERTIFIED Partner

sage Pastel Business Partner Authorised Training Centre

QCTO Quality Council for Trades & Occupations

Occupational Certificate: Cloud Administrator Practitioner (NQF 4)

What is Cloud Administration?

In the evolving surroundings of technology, businesses are increasingly relying on cloud computing to streamline operations, enhance scalability, and improve overall efficiency. Behind the scenes, a pivotal figure plays a crucial role in managing these cloud environments – the Cloud Administrator. Tasked with the intricate management of cloud infrastructures, these professionals play a pivotal role in ensuring the seamless functionality, security, and scalability of cloud-based systems. Let's explore the essential roles and skills of cloud administrator services and their indispensable contributions to the seamless functioning of cloud-based infrastructures.

In the vast expanse of cloud computing, where agility, security, and efficiency are paramount, the cloud administrator stands as a linchpin in orchestrating the intricate dance of digital resources. Through roles encompassing infrastructure management, security oversight, performance optimization, resource scaling, and disaster recovery planning, cloud administrators employ a diverse skill set that addresses the multifaceted challenges of the cloud.

The Cloud Computing Solution by Quality Council for Trades & Occupations (QCTO)

The QCTO is responsible for overseeing the development, implementation and maintenance of occupational 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 Cloud Administration Career for me?

Cloud Administrators 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 Cloud administrator.

Occupational Certificate: Cloud Administrator Practitioner at Careers Business Institute

The Occupational Certificate: Cloud Administrator Practitioner (NQF 4) is designed to equip you with the essential skills to become a cloud administration powerhouse. You'll gain the expertise to design and implement cost-effective cloud solutions, ensuring efficient migration of on-premises infrastructure to optimize cloud deployments. Furthermore, you'll learn to manage and secure cloud services by proactively monitoring and troubleshooting cloud platforms. This includes enforcing robust security protocols to safeguard cloud environments from unauthorized access and potential threats.

Beyond technical prowess, the program fosters effective collaboration, equipping you with the necessary communication and interpersonal skills to work seamlessly with cloud engineers and other IT professionals. This ensures smooth service delivery while maintaining uptime and optimizing performance for business-critical applications. 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 Cloud Administrator, What now?

Certified Cloud Administrators have a wide range of Career Opportunities available. We have listed some of the more widely available careers for certified administrators;

- Junior Cloud Systems Administrator
- Junior Cloud Support Specialist
- Cloud Architect
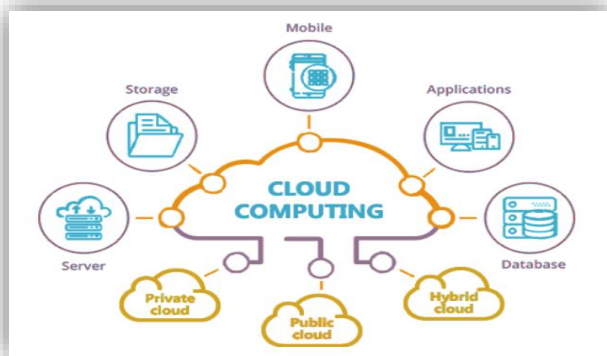- Assistant Cloud Manager

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 Occupational Certificate: Computer Technician (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!

Occupational Certificate: Cloud Administrator Practitioner (NQF 4)

Course Breakdown: Knowledge Modules

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

Course Breakdown: Practical Modules

- Conduct Effective Sever Maintenance and Optimization
- Monitor On-Demand Availability of Data Storage, Storage Capacity and Storage Services over the Internet

- Provide Cloud Network Administration and Support for Optimal Performance
- Ensure Integrity of the Cloud Ecosystem by Implementing Security Measures
- Access and Visualize Structured Data Using Spreadsheets
- Participate in a Design Thinking for Innovation Workshop
- Function Ethically and Effectively in the Workplace

Course Breakdown: Work Experience Modules

- On-Demand Availability of Server Resources and Services over the Internet, Data Storage, Storage Capacity and Storage Services over the Internet
- Ensure Availability and Reliability of Network Connection According to Workflow and Security Protocols

Minimum Requirements & Details

Minimum Requirements: Grade 11 (English) or any NQF 3 Qualification

Full - Time: 12 months (Part time also available)

SAQA ID: 118699   Credits: 149

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!