Fact Sheet

Database Administration

(with vendor-specific short course and certification in

IT Cloud Solutions Engineer)

CTU
training solutions

Creative &
Technology
Universitas

Database Administration

(with vendor-specific short course and certification in IT Cloud Solutions Engineer)

FACULTY OF INFORMATION TECHNOLOGY			
Vocational Studies: 2024 Fact Sheet			
Programme Title	**SAQA ID**	**Credits**	**NQF**
Certificate: IT: Database Administration	71869	120	6

*This programme is only available to current students for 2nd/3rd year studies

Programme description

This is an NQF 6 registered qualification, with SAQA ID 71869, and has 120 Credits. The primary purpose of the qualification is to provide qualifying learners with the advanced skills and knowledge required to undertake advanced tasks and procedures in Cloud Technology. This is targeted at enhancing the learner`s prospects of gaining employment by providing a solid foundation in advanced Cloud computing skills required in today`s business environment. Furthermore, this qualificationm has been formulated such that it reflects the workplace-based needs of the Information Technology Industry as expressed by CTU. The content has been designed to ensure that the qualification provides the learner with accessibility to be employed within the IT Industry.

The qualification provides the learner with the relevant skills to work in industries such as Telecommunications, Information Technology (IT), Electronics, and other industries where IT is a key component of their infrastructure functions. It also builds on the National Certificate in Information Technology: Systems Support at NQF level 5.

Upon completion of the course will be endowed with skills/ knowledge that permits them to perform technical duties associated with cloud computing. These skills include the design, planning, management, maintenance, and support including the development and implementation of cloud services.

Syllabus

Semester 1

▸ CA621: Cloud Administration
▸ CCS621: Computer & Cloud Security
▸ IPM411: Intro to Project Management

Semester 2

▸ CAT622 : Cloud Architect & Technologies
▸ DB622: Database Fundamentals
▸ MA622: Messaging Administration

Admission requirements

▸ QCTO National Certificate: IT Systems Support (SAQA ID 48573, NQF Level 5, 147 Credits).

Mode of study | Duration

Day Classes (full time)**:** 12 Months, 131 credits (5 days/week)

Evening Classes (part time)**:** 12 Months, 131 credits (2 x evening classes per week, 18:00 - 21:00, Mon & Wed or Tues & Thurs as well as 2 x Saturday classes per month)

Teaching and Learning Methodology

A blended teaching and Learning methodology is followed. All theory classes will be conducted Virtually through Lecturer-led interactive teaching on a national basis. A flipped classroom approach will be followed in some sessions. This means that students are introduced to content at home and practice working through it during the applicable session, either the virtual theory sessions or the practical sessions.

All students will be allocated to lecturers that are not necessarily based at the campus of enrollment but who will always be subject matter experts. CTU implements a national academic standard and all lecturers have been appointed on the same criteria and use the same academic content in the teaching and learning process. The adherence to a national academic standard is monitored by the Academic Management team at the Head office. Therefore, all students will continue to receive the same quality of education.

Students will attend some practical, group, and research sessions on campus or virtually. The same work and time will be spent on both methods, face to face and VLIT, with students. Extra practical sessions can be booked at the campus with the Campus Operational Manager. Students will be expected to attend practical, group, and research classes on campus a minimum of two days a week, as per the campus schedule.

Textbooks and e-guides

A list of prescribed textbooks will be provided in your e-guides. Students will receive an electronic version of the academic guides (e-guides) for this programme on the Teaching and Learning platform. Access is available to an electronic library of textbooks on O'Reilly, and it is included in the fees.

Technology hardware, software and data requirements

▸ A laptop preferably Core I5, RAM 8GB and above, 64 Bit Operating System x64 based processes and
▸ A minimum of 20GB data per month (uncapped recommended)

For additional information please consult the CTU Bring your own device guide. **Device Specifications and Stationery List**

Student Support

Student support sessions with the facilitator will also take place on a one-on-one basis either virtually or physically at the campus per appointment or per the academic schedule.

Certification

On successful completion and verification by the Quality Assurance Partner of the programme, the student will receive a QCTO National Certified: IT Database Administration (SAQA ID 71869, NQF Level 6, 120 Credits) by the QAP-SAQA. Note that the process of issuing a Certificate might take up to three years to be finalised.

International Certifications

▸ AZ-104 Microsoft Azure Administrator Outcome - Microsoft Certified Azure Solution Architect Expert
Optional Exams: (*for student's own account)
▸ AZ-305 Designing Microsoft Azure Infrastructure Solutions Outcome - Microsoft Certified Azure Security Engineer Associate
▸ AZ-500 Microsoft Azure Security Technologies
▸ DP-203* Data Engineering on Microsoft Azure Outcome - Microsoft Certified Azure Data Engineer Associate
▸ MS-203 Microsoft 365 Messaging Outcome - Microsoft 365 Certified Messaging Administrator Associate

Further studies

Students may pursue further studies at CTU by enrolling for the Cloud & Security Professional: Cisco

Career fields

Students can be employed in the following career fields:
▸ Database Administrator
▸ Microsoft Server Engineer
▸ IT Support Engineer
▸ Infrastructure System Engineer
▸ Messaging Engineer
▸ Network Administrator
▸ CT Support Officer
▸ VM and Storage Specialist
▸ Azure Security Engineer

Pricing*

Programme	Registration fees	Tuition fee
Cloud Solutions Engineer	R9 000	R83 276

* Excludes external fees and identified textbooks if applicable.

* Prices are subject to annual adjustments.

Payment

Visit our website to view the payment method. **Payment Methods.**

APPLY for Student Loan HERE!

Additional costs

Students must make provision for additional items such as textbooks, stationery, supplementary examinations, research costs and printing, field trips etc.

Disclaimer

The information contained in this fact sheet is accurate at the time of printing. However, factors beyond the control of CTU Training Solutions (such as environmental, regulatory or technical changes) may cause the contents of this fact sheet or of the programme to change. In the event of any such change, CTU will notify current students. All possible measures will be taken to minimise inconvenience to students.

I (Name of student):..hereby acknowledge that I understand the information stated in this document and fully comprehend the specifics explained above pertaining to this qualification.

Student signature:..

Signature of legal guardian:..

Name of legal guardian:..

Consultant signature:..

Name of sales consultant:..

Date:...

* Please note the original signed copy should be kept on the student record file.

CONTACT US

customerservice@ctutraining.co.za | ctutraining.ac.za | 0861 100 395