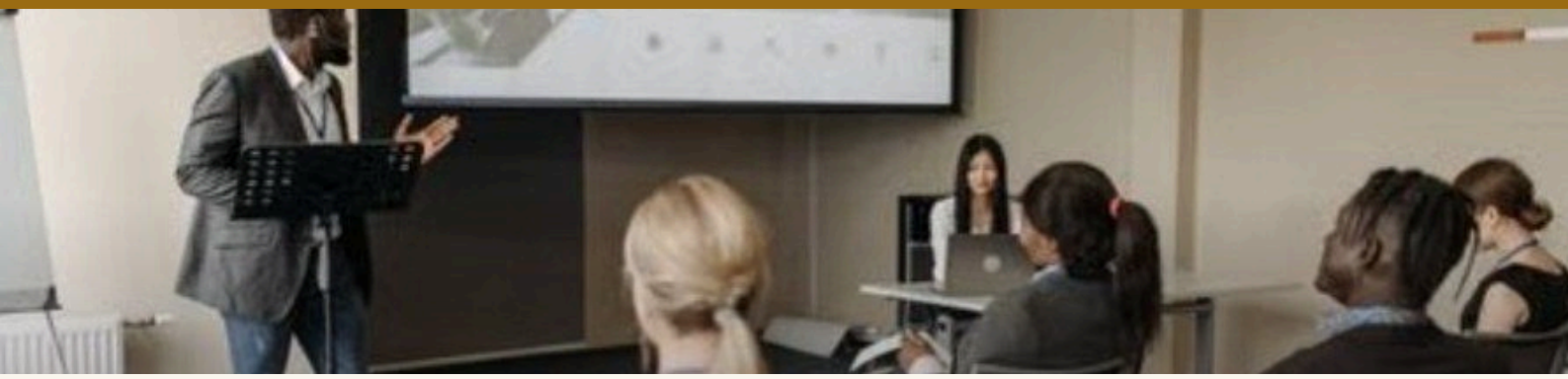


SEYA CAPITAL
INSIGHT.STRATEGY.GROWTH

INFORMATION & COMMUNICATION TECHNOLOGY

Microsoft SQL Server Administration and Database Management Professional Programme

Managing Enterprise Databases, Optimising Performance & Ensuring Data Integrity

SECTOR	FORMATS	FEE FROM	2027 SESSIONS
Information & Communication Technology	5 days & 2 weeks	US$ 2,100	3

OVERVIEW

About this course

Data is one of the most valuable assets in modern organisations, and effective database management is critical for ensuring data availability, integrity, security, and business continuity. Microsoft SQL Server remains one of the world's leading relational database management platforms, supporting mission-critical business applications, financial systems, enterprise resource planning solutions, business intelligence platforms, and data analytics environments.

The Seya Capital Microsoft SQL Server Administration and Database Management Professional Certificate equips participants with the knowledge, methodologies, tools, and practical skills required to install, configure, administer, secure, optimise, monitor, and maintain Microsoft SQL Server environments. The programme covers database design, SQL programming, database administration, security management, backup and recovery, high availability, performance tuning, reporting, and business intelligence integration.

Participants will gain practical experience managing enterprise databases and supporting data-driven decision-making environments.

2027 SCHEDULE

Dates, venues & fees

DATES	VENUE	FORMAT	FEE PER DELEGATE
19 – 23 Jul 2027	Johannesburg, South Africa	5 days	**US$ 2,200**
26 Jul – 6 Aug 2027	Arusha, Tanzania	2 weeks	**US$ 3,780**
2 – 6 Aug 2027	Arusha, Tanzania	5 days	**US$ 2,100**

> Fees exclude travel and accommodation. This course is also available in-house, on dates and at a venue of your choice.

HIGHLIGHTS

What you will learn

- Microsoft SQL Server architecture and administration
- Database design and development principles
- Structured Query Language (SQL) programming
- Database security and access management
- Backup, recovery, and disaster recovery planning
- Performance monitoring and optimisation
- High availability and replication technologies
- Data warehousing and Business Intelligence fundamentals
- Database governance and compliance
- Database troubleshooting and maintenance
- SQL Server reporting and analytics
- Cloud integration and hybrid database management
- Participants will explore practical applications including:
- Database Design and Modelling
- SQL Query Development
- Database Performance Tuning
- User and Security Administration
- Backup and Recovery Implementation
- Disaster Recovery Planning
- Database Monitoring and Reporting
- Data Warehouse Development
- Business Intelligence Reporting
- Database Governance Reviews
- Cloud Database Integration
- Enterprise Database Administration
- SQL Server Database Administration
- Installation and configuration
- Security and access management
- Backup and recovery
- Performance monitoring and optimisation
- SQL Programming and Development
- Advanced SQL development
- Stored procedures and functions
- Database design and modelling
- Application integration
- Business Intelligence and Data Analytics
- Reporting and dashboard development
- Data warehousing
- Data integration and transformation
- Analytics and decision support
- Cloud and Hybrid Database Management
- SQL Server in cloud environments

- Hybrid database architectures
- Cloud migration strategies
- Database resilience and scalability

OBJECTIVES

By the end of the course

By the end of this programme, participants will be able to:

- Understand Microsoft SQL Server architecture and database management concepts.
- Design and implement relational databases using industry best practices.
- Develop SQL queries for data retrieval, analysis, and reporting.
- Configure and administer SQL Server environments.
- Implement database security and access control mechanisms.
- Perform backup, recovery, and disaster recovery operations.
- Optimise database performance and resource utilisation.
- Monitor database health and troubleshoot operational issues.
- Support business intelligence and data analytics initiatives.
- Develop governance frameworks for effective database management.

WHO SHOULD ATTEND

Designed for

Database Administrators (DBAs) | Database Developers | Systems Administrators | Data Analysts | Business Intelligence Professionals | ICT Managers | Software Developers | Business Analysts | Information Management Professionals | Data Warehouse Professionals | Technology Consultants | ICT Graduates and Trainees | Digital Transformation Professionals | Professionals responsible for enterprise databases

PROGRAMME

Course outline

Day 1: Introduction to SQL Server and Database Fundamentals

- Introduction to Microsoft SQL Server
- Database Concepts and Architecture
- SQL Server Components and Editions
- Relational Database Principles
- Database Installation and Configuration
- Database Objects and Structures
- SQL Server Management Studio (SSMS)

Day 2: SQL Programming and Database Development

- SQL Query Fundamentals
- Data Definition Language (DDL)
- Data Manipulation Language (DML)
- Data Querying and Filtering
- Joins, Views and Stored Procedures
- Functions and Triggers
- Database Design Best Practices

Day 3: Database Administration and Security Management

- SQL Server Administration Fundamentals
- User and Security Management
- Authentication and Authorisation
- Database Security Controls
- Encryption and Data Protection
- Auditing and Compliance
- Security Monitoring and Reporting

Day 4: Backup, Recovery and Performance Optimisation

- Backup Strategies and Planning
- Database Recovery Techniques
- Disaster Recovery Planning
- Database Performance Monitoring
- Query Optimisation Techniques
- Indexing and Resource Management
- Troubleshooting Database Issues

Day 5: Business Intelligence, High Availability and Capstone Project

- SQL Server Reporting Services (SSRS)
- Data Warehousing Concepts
- High Availability and Replication
- SQL Server Integration Services (SSIS)
- Cloud and Hybrid Database Solutions
- Emerging Trends in Database Management
- Capstone SQL Server Administration Project

METHODOLOGY

How you will learn

This highly interactive programme combines:

- Expert-led presentations
- Hands-on SQL Server laboratories
- Database administration workshops
- SQL programming exercises
- Database design and modelling activities
- Security implementation simulations
- Performance tuning workshops
- Backup and recovery demonstrations
- Group discussions and collaborative learning
- Capstone SQL Server implementation project

Participants will gain practical experience managing Microsoft SQL Server databases in enterprise environments.

IMPACT

The return on learning

For your organisation

- Strengthen database administration capabilities
- Improve data availability and reliability
- Enhance database security and compliance
- Improve database performance and scalability
- Strengthen business continuity and disaster recovery readiness
- Improve data governance and quality management
- Support business intelligence and analytics initiatives
- Reduce database management risks
- Improve operational efficiency and decision-making
- Maximise return on information technology investments

For you

- Develop professional SQL Server administration expertise
- Strengthen SQL programming and database development skills
- Improve database management and optimisation capabilities
- Gain practical experience in enterprise database administration
- Enhance data security and governance knowledge
- Improve troubleshooting and performance tuning competencies
- Strengthen professional credibility in database management
- Enhance career opportunities in database administration, analytics, and information management

CERTIFICATION

Seya Capital certificate

Upon successful completion of the programme, participants will be awarded the prestigious:

Seya Capital Professional Certificate in Microsoft SQL Server Administration and Database Management

Recognising professional competence in Microsoft SQL Server administration, database development, SQL programming, database security, performance optimisation, backup and recovery management, business intelligence, data warehousing, cloud database integration, and enterprise database governance.

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Register or enquire

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