

## **Fabric Analytics Engineer Course - 20 Hour Short Course**

### **Course Overview**

This Fabric Analytics Engineer course equips learners with the skills to design, build, and manage analytics solutions using Microsoft Fabric. It focuses on data modeling, integration, transformation, and visualization in enterprise environments.

### **Prerequisite**

Microsoft Certified: Data Analyst Associate [PL-300]

### **Duration & Cost**

Duration: 20 Hours (Flexible schedule – part-time or full-time)

\*Cost: R18,900.00 (incl. VAT)

\*Excludes international Microsoft exam [dp-700]: additional in price

### **Course Modules**

#### **Module 1: Introduction to Microsoft Fabric**

Overview of Microsoft Fabric

Architecture and key components

Role of Fabric Analytics Engineer

#### **Module 2: Data Lake & OneLake Integration**

Managing and accessing OneLake

Integrating with various data sources

Security and governance

#### **Module 3: Data Engineering in Fabric**

Notebooks, pipelines, and dataflows

Lakehouse concepts

ETL/ELT transformations

#### **Module 4: Semantic Models**

Creating and optimizing datasets

Star schema modeling

DAX fundamentals

#### **Module 5: Real-time Analytics**

Real-time ingestion and monitoring

KQL (Kusto Query Language)

Event stream processing

## **Module 6: Data Visualization**

Building dashboards with Power BI  
Best practices for report design  
Publishing and sharing insights

## **Module 7: Automation and Monitoring**

Automated pipeline deployment  
Performance tuning  
Cost monitoring and workspace management

## **Module 8: Capstone Project**

End-to-end implementation of an analytics solution using Microsoft Fabric

## **Who Should Attend**

Data professionals and analysts  
BI developers  
Anyone aiming to work with Microsoft Fabric in enterprise analytics

## **Certification**

You will receive a Certificate of Completion from The School of IT upon successful completion of the course.

## **Contact Us**

The School of IT International Pty Ltd  
Enterprise no: 2019/278233/07  
Tax no: 9227879237  
Phone: 082 696 7749  
Email: [info@schoolofit.co.za](mailto:info@schoolofit.co.za)  
Website: [www.schoolofit.co.za](http://www.schoolofit.co.za)

## **EFT Banking Details**

Bank: FNB  
Account Type: GOLD BUSINESS ACCOUNT  
Account Number: 62819004102  
Branch Code: 200512  
Branch Name: SOMERSET WEST  
Reference: [Your Name]\_Fabric