



MICROSOFT TRAINING

Ms Power Bi

Master data transformation, modeling, and visualization with Microsoft Power BI. Create impactful dashboards for business insights.

DURATION

24 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level Microsoft Power BI course is meticulously designed to equip professionals with the essential skills to transform raw data into actionable insights and compelling visual reports. Power BI, a leading business intelligence tool, empowers users to connect to disparate data sources, perform robust data transformations, build sophisticated data models, and create interactive dashboards that drive informed decision-making. Through hands-on exercises and practical case studies, participants will master Power BI Desktop for data preparation and visualization, and Power BI Service for sharing and collaboration. This course delves into core technologies such as Power Query for data cleansing and shaping, DAX (Data Analysis Expressions) for advanced calculations and metrics, and effective data storytelling through dynamic visualizations. By the end of the program, you will possess a comprehensive understanding of the entire Power BI workflow, from data ingestion to report publication and sharing, enabling you to harness the full analytical power of your organizational data. Acquiring these advanced Power BI skills is a significant professional advantage in today's data-driven world. Graduates will be prepared to contribute immediately to their organizations by improving data accessibility, enhancing reporting capabilities, and fostering a culture of data-informed strategy. This expertise not only boosts individual career prospects in sought-after data roles but also positions them as key players in driving business growth and efficiency.

Duration	24 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Getting Started with Power BI and Data Connections

- Introduction to Microsoft Power BI ecosystem (Desktop, Service, Gateway)
- Understanding Power BI architecture and components
- Connecting to various data sources (Excel, CSV, SQL Server, Web, SharePoint)
- Basic data loading techniques and initial data overview
- Introduction to Power BI Desktop interface and navigation

02 Module 2: Data Transformation with Power Query Editor

- Understanding the Power Query Editor interface
- Cleaning and shaping data (removing rows/columns, splitting, merging, appending)
- Handling missing values and data type conversions
- Pivoting and unpivoting data for analytical readiness
- Introduction to M language for advanced transformations

03 Module 3: Data Modeling and Relationships

- Fundamentals of data modeling (Star Schema vs. Snowflake Schema)
- Creating and managing relationships between tables
- Understanding cardinality and cross-filter direction
- Optimizing data models for performance and usability
- Introduction to calculated columns vs. measures

04 Module 4: DAX (Data Analysis Expressions) Fundamentals

- Introduction to DAX syntax, concepts, and evaluation context
- Creating explicit measures using common DAX functions (SUM, AVERAGE, COUNT, MIN, MAX)
- Understanding row context and filter context
- Using CALCULATE for powerful context modification

- Time intelligence functions (TOTALYTD, SAMEPERIODLASTYEAR, DATEADD)

05 Module 5: Designing Interactive Reports and Visualizations

- Choosing appropriate visualization types for different data stories
- Designing effective report layouts and themes
- Adding slicers, filters, and drill-through functionality
- Creating interactive dashboards with various visual elements
- Best practices for report design and user experience

06 Module 6: Power BI Service, Dashboards, and Sharing

- Publishing reports from Power BI Desktop to Power BI Service
- Creating dashboards and pinning visuals
- Sharing reports and dashboards securely (Workspaces, Apps, Row-Level Security)
- Setting up data refresh schedules using gateways
- Monitoring usage metrics and performance

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Business Intelligence Developer specializing in Microsoft Ecosystems**
- > **Data Reporting and Visualization Specialist**
- > **Financial Data Analyst utilizing Power BI for Performance Insights**

FREQUENTLY ASKED QUESTIONS

Q: What specific types of data analysis challenges will I be able to solve after completing this Power BI course?

Upon completion, you will be equipped to tackle complex data integration by connecting to diverse sources, perform advanced data cleaning and transformation using Power Query, and build sophisticated data models. You'll be able to create highly interactive dashboards and reports that provide actionable insights, such as sales performance tracking, financial budgeting analysis, operational efficiency monitoring, and customer behavior segmentation, empowering data-driven decision-making across an organization.

Q: Is prior programming experience or advanced database knowledge required to succeed in this intermediate Power BI course?

No prior programming experience (like Python or R) is required for this intermediate Power BI course. While a basic understanding of Excel and general data concepts (like tables, rows, columns) is beneficial, this course is designed to teach you all necessary skills from the ground up, including advanced data transformation techniques with Power Query and powerful data modeling and calculation capabilities using DAX (Data Analysis Expressions). Our expert instructors guide you through each step, ensuring you gain proficiency regardless of your initial technical background.

Q: How does mastering Power BI through this course specifically enhance my value in the Kenyan job market for data-related roles?

In the rapidly evolving Kenyan business landscape, organizations are increasingly reliant on data to make strategic decisions. Mastering Power BI with this course positions you as a critical asset, enabling you to transform raw, disparate

data into compelling visual stories and actionable insights that drive business growth. This skill set is highly sought after by employers across various sectors – from finance and retail to manufacturing and government – and demonstrates your ability to contribute directly to improved operational efficiency and competitive advantage, significantly boosting your employability and career progression within Kenya's dynamic data analytics sector.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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