



MICROSOFT TRAINING

# Develop Dynamic Power Bi Course

*Master Power BI to create dynamic dashboards and insightful reports for data-driven decision-making.*

DURATION

**8 hours**

LEVEL

**Intermediate**

FORMAT

**Instructor-Led**

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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## COURSE OVERVIEW

This intensive 8-hour "Develop Dynamic Power BI Course" is meticulously designed for intermediate users who are ready to elevate their data analysis and reporting skills beyond basic functionalities. You will delve into the powerful capabilities of Microsoft Power BI, focusing on transforming static reports into interactive, adaptable dashboards that respond to user input and evolving business needs. The course covers core technologies such as advanced Power Query transformations, sophisticated DAX expressions, intricate data modeling techniques, and dynamic visualization strategies that empower you to create truly insightful and responsive business intelligence solutions. By completing this course, you will gain the expertise to not only build compelling reports but also to make them dynamic and intelligent. You will learn to manipulate data effectively, write complex DAX formulas to derive powerful insights, and design interactive dashboards that enable stakeholders to explore data independently and make data-driven decisions swiftly. This proficiency is invaluable in today's data-centric world, directly enhancing your ability to contribute significantly to strategic planning and operational efficiency within any organization. Ultimately, this certification empowers you to stand out as a Power BI professional capable of delivering sophisticated, dynamic, and actionable business intelligence. It provides the practical skills and confidence needed to tackle complex data challenges, drive greater efficiency through automation, and present data stories that resonate and influence organizational outcomes, paving the way for advanced roles in data analytics and business intelligence.

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|----------|--------------|
| Duration | 8 hours      |
| Level    | Intermediate |
| Vendor   | Microsoft    |

## COURSE CURRICULUM

### 01 Module 1: Advanced Data Preparation with Power Query

- Review of Power Query Interface and Basic Transformations
- Implementing Advanced M-Code for Custom Transformations
- Handling Dynamic Data Sources and Parameters
- Appending and Merging Queries for Complex Data Integration
- Error Handling and Data Profiling Techniques

### 02 Module 2: Sophisticated Data Modeling and Relationships

- Optimizing Data Models for Performance and Scalability
- Managing Complex Relationships: Many-to-Many and Inactive Relationships
- Creating Role-Playing Dimensions
- Introduction to Row-Level Security (RLS) Concepts
- Calculated Columns vs. Measures: Best Practices and Use Cases

### 03 Module 3: Dynamic Analytical Expressions with DAX

- Deep Dive into Filter Context and Row Context
- Mastering the CALCULATE Function for Context Transition
- Utilizing Iterators (SUMX, AVERAGEX) for Row-by-Row Calculations
- Implementing Time Intelligence Functions for Dynamic Period Comparisons
- Creating Dynamic Measures and Calculated Tables for Advanced Analytics

### 04 Module 4: Building Interactive and Dynamic Visualizations

- Designing Advanced Visualizations and Custom Visuals

- Implementing Bookmarks for Dynamic Report States
- Creating Drill-Through and Tooltip Pages for Granular Insights
- Leveraging What-If Parameters for Scenario Analysis
- Applying Dynamic Formatting and Conditional Logic to Visuals

## 05 Module 5: Power BI Service Deployment and Performance

- Publishing Dynamic Reports to Power BI Service
- Configuring Gateways for On-Premises Data Refresh (Overview)
- Implementing Power BI Service Features for Enhanced Interactivity (e.g., Dashboards, Apps)
- Understanding Report Performance Best Practices
- Brief Introduction to Incremental Refresh for Large Datasets

## CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Dynamic Power BI Reporting Specialist**
- > **Advanced Business Intelligence Analyst**
- > **Data Visualization Developer**

## FREQUENTLY ASKED QUESTIONS

### Q: What foundational Power BI knowledge is expected before enrolling in this dynamic reporting course?

This course is designed for intermediate users. Participants should have a solid understanding of Power BI Desktop basics, including connecting to various data sources, performing simple data transformations, creating basic measures and calculated columns, and building standard visualizations. Familiarity with basic data modeling concepts like star schema and simple relationships is also beneficial.

### Q: How will mastering dynamic Power BI reporting specifically enhance my ability to generate actionable insights in real-world business scenarios?

Mastering dynamic reporting will allow you to build reports that adapt to user interaction, enabling stakeholders to explore data based on their specific questions rather than relying on static views. You'll learn to create 'what-if' scenarios, enable drill-through to detail, and use bookmarks for guided analysis. This empowers businesses to quickly identify trends, pinpoint issues, and make proactive decisions by interacting directly with the data, leading to more responsive and effective strategies.

### Q: Beyond technical skills, what career advantages does the ability to 'Develop Dynamic Power BI' solutions provide in the competitive IT landscape?

In addition to enhancing your technical prowess, developing dynamic Power BI solutions positions you as a critical asset capable of bridging the gap between raw data and strategic decision-making. Employers highly value professionals who can not only analyze data but also present it in an engaging, interactive, and customizable manner. This skill set differentiates you, making you a stronger candidate for roles requiring advanced analytical capabilities, problem-solving through data, and effective communication of complex insights to diverse audiences, thereby accelerating career progression in data-centric fields.

## 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+**

Professionals Trained

**50+**

Vendor Certifications

## READY TO ENROL?

Take the next step in your technology career.

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