



MICROSOFT TRAINING

Power Bi Advanced Course

Unlock advanced Power BI capabilities. Design sophisticated data models, DAX expressions, and dynamic visualizations for powerful insights.

DURATION

16 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The Microsoft Power BI Advanced Course at Computer Pride is meticulously designed for professionals looking to elevate their data analysis and business intelligence capabilities beyond the basics. This intensive 16-hour program delves deep into Power BI's most potent features, empowering you to transform complex raw data into sophisticated, interactive, and insightful dashboards. You will master advanced data modeling techniques, write powerful DAX (Data Analysis Expressions) formulas, and leverage Power Query for intricate data transformations, enabling you to derive deeper business insights and create compelling data narratives that drive strategic decisions. This course is ideal for those who have a foundational understanding of Power BI and are ready to tackle advanced challenges.

Duration	16 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Advanced Data Modeling and Relationships

- Understanding Star and Snowflake Schemas
- Implementing Many-to-Many Relationships
- Role-Playing Dimensions
- Bridging Tables and Relationship Management Best Practices
- Optimizing Data Models for Performance

02 Module 2: DAX Mastery - Advanced Calculations and Contexts

- Deep Dive into Evaluation Contexts (Row vs. Filter Context)
- Advanced CALCULATE Function Applications
- Time Intelligence Functions (YTD, QTD, MTD, ParallelPeriod)
- Iterators (SUMX, AVERAGEX) and Context Transition
- Creating Advanced Measures and KPIs

03 Module 3: Power Query - Advanced Data Transformation and M Language

- Advanced Data Source Connections and Parameters
- Custom Functions in Power Query
- Error Handling and Data Profiling
- Unpivoting and Pivoting Complex Data Structures
- Writing Custom M-Language Queries for Complex Scenarios

04 Module 4: Dynamic Visualizations and Advanced Report Design

- Implementing What-If Parameters
- Advanced Conditional Formatting and Custom Tooltips
- Using Report Page Tooltips and Drillthrough
- Designing Interactive Dashboards with Bookmarks and Buttons
- Introduction to Custom Visuals and Best Practices

05 Module 5: Power BI Service - Deployment, Collaboration, and Security

- Workspace Management and App Publishing
- Row-Level Security (RLS) Implementation
- Data Gateways for On-Premise Data

- Subscription Management and Alerting
- Dashboard and Report Sharing Best Practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Business Intelligence Analyst**
- > **Data Visualization Specialist**
- > **Financial Data Modeler**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisites for enrolling in the Power BI Advanced Course?

This course is designed for individuals who have a foundational understanding of Power BI Desktop, including experience with basic data loading, simple data transformations, creating basic relationships, and developing standard visualizations. Prior exposure to basic DAX formulas and a general understanding of relational databases would be highly beneficial.

Q: How will mastering advanced DAX formulas and Power Query M-language directly enhance my career as a Business Intelligence professional?

Mastering advanced DAX will enable you to create complex calculations, sophisticated time-intelligence reports, and dynamic measures that go beyond simple aggregations, providing deeper analytical insights. Proficient use of Power Query M-language will allow you to tackle highly complex data cleaning, shaping, and integration challenges that standard UI operations cannot solve, making you indispensable in roles requiring robust data preparation and modeling capabilities. These skills are critical for developing high-performance, scalable, and insightful BI solutions.

Q: Beyond creating reports, what advanced features of the Power BI Service will I learn to leverage for enterprise-level deployment and collaboration?

In this advanced course, you will learn to implement robust Row-Level Security (RLS) to control data access, effectively manage multiple workspaces and apps for different user groups, configure and troubleshoot data gateways for secure on-premise data connectivity, and optimize refresh schedules for large datasets. You will also gain insights into monitoring dataset performance and leveraging subscriptions and alerts for proactive data insights delivery, crucial for maintaining an enterprise-grade Power BI environment.

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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