



MICROSOFT TRAINING

Leap Power Bi Course

Master Microsoft Power BI to transform data into impactful insights and create dynamic dashboards for smarter business decisions.

DURATION

8 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

The 'Leap Power BI Course' is an intensive 8-hour intermediate-level program meticulously designed by Computer Pride to empower data professionals with advanced skills in Microsoft Power BI. This course moves beyond basic reporting, diving deep into the robust capabilities of Power BI Desktop and Service. Participants will master core technologies such as Power Query for sophisticated data transformation, Power Pivot for robust data modeling, and Data Analysis Expressions (DAX) for complex calculations and insightful measures. You'll learn to connect to diverse data sources, clean and shape data efficiently, build optimized data models, and create compelling, interactive dashboards.

Upon successful completion, you will be proficient in transforming raw data into actionable intelligence, enabling you to drive data-driven decision-making within your organization. This course is ideal for professionals seeking to elevate their data analysis and visualization skills, turning complex datasets into clear, impactful visual stories. The practical, hands-on approach ensures you gain the confidence and expertise to design and deploy high-impact Power BI solutions, making you an invaluable asset in any data-centric role and significantly boosting your career trajectory.

Duration	8 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

01 Module 1: Power BI Desktop Fundamentals & Data Connection

- Introduction to Power BI Ecosystem (Desktop, Service, Mobile)
- Navigating the Power BI Desktop Interface
- Connecting to various data sources (Excel, CSV, SQL Server, Web)
- Understanding import and DirectQuery connection modes
- Initial data loading and preview

02 Module 2: Advanced Data Transformation with Power Query

- In-depth use of Power Query Editor for data cleaning and shaping
- Applying advanced transformations (pivot/unpivot, transpose, custom columns)
- Merging and appending queries for data integration
- Handling data types, errors, and missing values efficiently
- Query folding and performance optimization techniques

03 Module 3: Data Modeling & Relationship Management

- Principles of effective data modeling (Star vs. Snowflake schema)
- Creating and managing relationships between tables
- Understanding relationship cardinality and cross-filter direction
- Optimizing data models for performance and scalability
- Role of Fact tables and Dimension tables

04 Module 4: DAX Fundamentals for Advanced Calculations

- Introduction to DAX (Data Analysis Expressions) syntax and concepts
- Creating Calculated Columns for row-level operations
- Developing Measures for aggregations and dynamic calculations
- Understanding Evaluation Context (Row Context vs. Filter Context)
- Implementing Time Intelligence Functions (TOTALYTD, SAMEPERIODLASTYEAR, DATEADD)

05 Module 5: Interactive Visualizations & Report Design

- Choosing appropriate visualization types for data storytelling
- Designing interactive dashboards with filters, slicers, and drill-through
- Customizing visuals and themes for brand consistency
- Best practices for report layout, user experience, and accessibility
- Incorporating advanced visual elements and custom visuals

06 Module 6: Power BI Service, Sharing & Collaboration

- Publishing reports from Desktop to Power BI Service
- Creating and managing Dashboards and Apps in Power BI Service
- Setting up data refresh schedules and gateways
- Sharing reports and dashboards with colleagues and external users
- Introduction to Row-Level Security (RLS) for data governance

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Business Intelligence Analyst**
- > **Financial Data Reporting Specialist**
- > **Data Analytics Consultant**

FREQUENTLY ASKED QUESTIONS

Q: What specific types of advanced analytical problems will I be able to solve after completing the Leap Power BI Course?

Upon completion of the Leap Power BI Course, you'll be equipped to tackle complex analytical challenges such as multi-dimensional performance comparisons, year-over-year growth analysis, 'what-if' scenario modeling using advanced DAX, and identifying key business trends and outliers. You'll move beyond basic reporting to generating strategic insights that directly influence business decisions and operational efficiency.

Q: What prior knowledge or experience with Power BI is recommended for someone to truly 'leap' in their skills with this intermediate course?

This 'Leap' course is designed for individuals who possess a foundational understanding of Power BI Desktop, including connecting to simple data sources, performing basic data transformations, and creating fundamental visualizations. A working knowledge of Excel functions and an understanding of relational database concepts will be highly beneficial, as we will rapidly advance into complex data modeling, sophisticated DAX calculations, and robust report development.

Q: How does the 'Leap Power BI Course' help me not just build reports, but also ensure data quality and maintainability in real-world scenarios?

This course dedicates significant modules to mastering Power Query Editor for comprehensive data cleaning, shaping, and integration from disparate sources. You will learn best practices for building robust and scalable data models that inherently ensure data accuracy and consistency. By focusing on efficient data transformation and modeling techniques, you'll gain the skills to create Power BI solutions that are not only insightful but also reliable, maintainable, and adaptable to evolving business data requirements.

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.

Location

1st Flr, ICEA Building
Kenyatta Ave, Nairobi

Email

info@computer-pride.co.ke

Phone

+254 705 900 900

www.computer-pride.co.ke