



MICROSOFT TRAINING

PL-300T00: Microsoft Power BI Data Analyst

Master Power BI to analyze data, build reports, and earn your PL-300 certification.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The PL-300T00: Microsoft Power BI Data Analyst course is meticulously designed to transform you into a proficient Power BI specialist, capable of turning raw data into actionable insights. This comprehensive program covers the entire lifecycle of data analysis with Microsoft Power BI, from connecting to diverse data sources and performing robust data transformations using Power Query, to building sophisticated data models with DAX (Data Analysis Expressions). You will gain hands-on experience in designing compelling data visualizations, crafting interactive reports, and creating dynamic dashboards that tell a powerful story from your data. The core technologies you'll master include Power BI Desktop for development, Power Query for data preparation, DAX for advanced calculations, and the Power BI Service for collaboration and sharing.

Upon completion, you will possess the critical skills needed to empower organizations with data-driven decision-making capabilities. This course not only prepares you for the official Microsoft Power BI Data Analyst certification but also equips you with practical, real-world expertise to solve complex business problems. By understanding how to model data effectively, generate meaningful reports, and publish them securely, you will become an invaluable asset in any team seeking to leverage their data for strategic advantage, improved operational efficiency, and competitive growth. Elevate your career and become a certified expert in the rapidly growing field of business intelligence and analytics.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft
Exam Code	PL-300

PREREQUISITES

- Understanding of cloud computing concepts
- Familiarity with Azure portal
- Basic PowerShell or CLI experience
- Understanding of virtualization concepts

COURSE CURRICULUM

01 Module 1: Get Started with Microsoft Power BI

- Introduction to Power BI components (Desktop, Service, Mobile)
- Understanding Power BI architecture and data flow
- Connecting to various data sources (Excel, Databases, Web, Cloud)
- Basic data loading and initial data exploration
- Power BI Desktop interface navigation

02 Module 2: Transform Data in Power BI with Power Query

- Using Power Query Editor for data cleaning and preparation
- Applying common transformations (filtering, sorting, merging, appending)
- Pivoting and unpivoting data for optimal analysis
- Handling data types, errors, and missing values
- Creating custom columns and conditional logic in Power Query

03 Module 3: Model Data in Power BI

- Designing effective data models (star schema, snowflake schema)
- Creating and managing relationships between tables
- Understanding cardinality and cross-filter direction
- Introduction to DAX (Data Analysis Expressions) fundamentals
- Creating calculated columns and basic measures with DAX
- Optimizing data models for performance and scalability

04 Module 4: Create Visualizations and Reports in Power BI

- Choosing appropriate visualization types (charts, tables, maps, cards)
- Designing interactive reports and dashboards
- Implementing filters, slicers, and drill-through capabilities
- Applying themes, formatting, and conditional formatting
- Creating tooltips and bookmarks for enhanced user experience

05 Module 5: Deploy and Maintain Assets in Power BI Service

- Publishing reports from Power BI Desktop to Power BI Service
- Creating dashboards and Power BI Apps for distribution
- Configuring and managing data refresh schedules
- Understanding On-Premises Data Gateways
- Implementing Row-Level Security (RLS) for data governance
- Collaborating and sharing Power BI content securely

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Microsoft Power BI Data Analyst**
- > **Business Intelligence Developer (with Power BI Specialization)**
- > **Reporting and Dashboarding Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What prior data analysis experience or technical skills are recommended before enrolling in the PL-300T00 Microsoft Power BI Data Analyst course?

While there are no strict technical prerequisites, learners will significantly benefit from a foundational understanding of data concepts, basic proficiency in Microsoft Excel (especially with functions and pivot tables), and familiarity with relational database concepts. Some exposure to SQL or other data manipulation tools would be advantageous but is not required, as the course is structured to guide you through Power BI's specific tools and methodologies from a practical standpoint.

Q: How does completing the PL-300T00 course directly enhance my ability to create actionable business insights for my organization?

This course empowers you to transform raw, disparate data into cohesive, interactive reports and dashboards that drive business decisions. You will master techniques for data cleansing and transformation, build robust data models, and craft visualizations that reveal hidden trends and key performance indicators (KPIs). This skillset directly enables you to provide stakeholders with accurate, timely, and easy-to-understand insights, helping your organization move from reactive analysis to proactive, data-driven strategy and improved operational efficiency.

Q: Beyond basic report creation, what advanced data modeling techniques and optimizations will I master to ensure high-performing Power BI solutions?

The PL-300T00 course delves deep into advanced data modeling, including designing optimal star schema models, understanding filter context propagation, and implementing complex DAX measures for sophisticated calculations. You will learn strategies for optimizing data refresh, managing dataset sizes, and improving report query performance. Furthermore, you will gain expertise in creating robust security models using Row-Level Security (RLS) to control data access, ensuring that your Power BI solutions are not only insightful but also secure and scalable for diverse user needs.

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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