

PL-300: Microsoft Power BI Data Analyst

Master the skills to analyze, model, and visualize data using Microsoft Power BI for impactful business insights.

Group classes in Live Online and onsite training is available for this course. For more information, email onsite@graduateschool.edu or visit: <https://www.graduateschool.edu/courses/pl300-microsoft-power-bi-data-analyst>



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Course Outline

Module 1 Get Started with Microsoft Data Analytics

- Data Analytics and Microsoft
- Getting Started with Power BI

Module 2 Getting Data in Power BI

- Data Analytics and Microsoft
- Optimize Performance
- Resolve Data Errors

Module 3 Cleaning, Transforming, and Loading Data in Power BI

- Shaping the Data
- Profiling the Data
- Enhance the data structure

Module 4 Design a Data Model in Power BI

- Introduction to data modeling
- Working with tables
- Dimensions and Hierarchies
- Create Model Relationships
- Configure Tables and Column Properties
- Create hierarchies

Module 5 Create Model Calculations using DAX in Power BI

- Introduction to DAX
- Real-time dashboards
- Advanced DAX

- Create calculated tables
- Create calculated columns
- Create measures
- Use the CALCULATE() function to manipulate filter context
- Use Time Intelligence functions

Module 6 Optimize Model Performance in Power BI

- Optimize the data model for performance
- Optimize DirectQuery Models

Module 7 Create Reports in Power BI

- Design a report
- Enhance the report
- Create and configure Sync Slicers
- Create a drillthrough page
- Apply conditional formatting
- Create and use Bookmarks
- Design a report
- Configure visual fields and format properties

Module 8 Create Dashboards in Power BI

- Create a Dashboard
- Real-time Dashboards
- Enhance a Dashboard
- Create a Dashboard
- Pin visuals to a Dashboard
- Use Q&A to create a dashboard tile

Module 9 Identify Patterns and Trends in Power BI

- Advanced Analytics
- Data Insights through AI visuals
- Create animated scatter charts
- Use the visual to forecast values

Module 10 Create and Manage Workspaces in Power BI

- Creating Workspaces
- Sharing and Managing Assets

Module 11 Manage Files and Datasets in Power BI

- Parameters
- Datasets

Module 12 Row-level Security in Power BI

- Security in Power BI
- Configure many-to-many relationships
- Enforce row-level security