Power BI Online Training Syllabus

Module 1: Introduction to Power BI Part 1

- Getting Started
- Class Introduction (BI Basics)
- Class Introduction (Power BI Desktop Overview)
- Data Discovery with Power BI Desktop
- Transforming Data (Basic Transforms)
- Transforming Data (Add Column From Example)
- Transforming Data (Appending Queries)
- Transforming Data (Merging Queries)
- Transforming Data (Combine Files)
- Transforming Data (M Query Basics)
- Transforming Data (Parameters and Templates)
- Transforming Data (Other Query Features)
- Introduction to Modeling Data
- Creating the Data Model (Modeling Basics)
- Creating the Data Model (Model Enhancements)
- Creating the Data Model (What If Parameters)
- Creating Calculated Columns and Tables (DAX Basics)
- Creating Calculated Columns and Tables (Navigation Function)
- Creating Calculated Columns and Tables (Calculated Tables)
- Creating Calculated Measures (Measure Basics)
- Creating Calculated Measures (Time Intelligence Functions)

Module 2:Introduction to Power BI Part 2

- Introduction to Visualizing Data
- Creating Basic Reports with the Power BI Desktop
- Creating Interactive Reports (Adding Slicers for Filters)
- Creating Interactive Reports (Visualizing Tabular Data)
- Creating Interactive Reports (Visualizing Categorical Data)
- Creating Interactive Reports (Visualizing Data Trends)
- Creating Interactive Reports (Visualizing Categorical and Trend Data Together)
- Creating Interactive Reports (Visualizing Geographical Data with Maps)

- Creating Interactive Reports (Visualizing Goal Tracking)
- Creating Interactive Reports (Using Custom Visuals)
- Creating Interactive Reports (Digital Storytelling)
- Creating Interactive Reports (Other Features)
- Using the Power BI Service (Deploying to the Power BI Service)
- Using the Power BI Service (Creating and Sharing Dashboards)
- Using the Power BI Service (Using Power BI Q&A)
- Using the Power BI Service (Setting up App Workspaces)
- Using the Power BI Service (Subscriptions and Alerts)
- Using the Power BI Service (Excel Integration)
- Using the Power BI Service (Export and Embed Options)
- Refreshing the Data (Refreshing Data Overview)
- Refreshing the Data (Installing the Data Gateway)
- Refreshing the Data (Scheduling a Data Refresh)
- Mobile BI (Power BI Mobile Overview)
- Mobile BI (Designing Reports and Dashboards for Mobile)
- Mobile BI (Interacting with the Power BI Mobile App)

Module 3:Introduction to DAX

- Getting Started
- Data Modeling Basics (Overview)
- Data Modeling Basics (Tabular)
- What is DAX (Overview)
- What is DAX (Tabular)
- Creating Calculated Columns (Basics)
- Creating Calculated Columns (Basics Continued)
- Navigation Functions
- Conditional and Logical Functions
- Creating Calculated Measures
- Time Intelligence (Overview)
- Time Intelligence (Time Intelligence Functions)
- Using X-Functions and A-Functions
- Table Functions
- DAX as a Query Language

Module 4:Advanced DAX

- Class Introduction (Class Files)
- Class Introduction (Why Advanced DAX)
- Working with Variables
- Working with Filter Context (What is Filter Context?)
- Working with Filter Context (CALCULATE)
- Working with Filter Context (Overriding Filter Context)
- Working with Filter Context (FILTER)
- Working with Filter Context (FILTER and ALL)
- Working with Filter Context (ALLEXCEPT)
- Working with Filter Context (Totals)
- CALCULATE and Time Intelligence (YTD and MTD)
- CALCULATE and Time Intelligence (Rolling 12 Months Total)
- CALCULATE and Time Intelligence (Rolling 3 Month Average Total)
- Semi-Additive Measures (Overview)
- Semi-Additive Measures (Opening and Closing Balance)
- Row Context (Understanding Row Context and Context Transition)
- Row Context (Working with Iterator Functions)
- Nested Row Context
- Error Handling
- Security (Implementing Basic Security)
- Security (Dynamic Security)
- Security (Implementing Basic Security – Tabular)
- Security (Dynamic Security – Tabular)
- Role Playing Dimensions (Multiple Table Import)
- Role Playing Dimensions (USERELATIONSHIP)
- Advanced DAX Function (CONTAINS)
- Advanced DAX Function (FIND)
- Advanced DAX Function (SEARCH and SUBSTITUTE)
- Advanced DAX Function (ALLSELECTED)
- Advanced DAX Function (RANKX)

Module 5:Power BI Report Server

- Class Introduction
- Getting Started (Power BI Desktop)

- Getting Started (Licensing)
- Installation
- Configuration
- Deployment (Publish to Report Server)
- Deployment (Uploading from Report Server)
- Deployment (Folder Structure)
- Scheduling a Data Refresh
- Security (Row Level Security)
- Security (Assigning Power BI Report Permissions)