## Module 01: Designing Efficient Queries with Power BI Desktop

* Query design best practices (e.g. renaming steps, disabling Enable Load, etc.)
* Designing efficient queries using query folding
* Designing Data Model using a Star Schema
* Importing Content From SharePoint Online
* Designing with Function Queries
* Understanding Import Mode versus Direct Query Mode

## Module 02: Cleaning and Preparing Data using Dataflows

* Understanding data flow entities
* Creating and refreshing dataflows
* Creating a dataflow with computed entities
* Consuming dataflows from Power BI Desktop
* Building dataflows using Power BI AI features

## Module 03: Designing a Data Model with Power BI Desktop

* Creating Table Relationships
* Creating Calculated Columns and Measures
* Creating Variables in DAX expressions
* Creating Lookup Tables using DAX Expressions
* Configuring Data Category for Geographic Mapping, Web URLs and Images
* Creating Dimensional Hierarchies

## Module 04: Advanced Data Modeling with Time Intelligence

* Understanding Row Context vs Filter Context
* Using the DAX Calculate Function
* Creating Calendar Tables for Time Intelligence
* Calling DAX Built-in Time Intelligence Functions
* Writing Context-aware DAX Expressions
* Creating a measure to display a dataset's LastRefresh date

## Module 05: Designing Interactive Reports in Power BI Desktop

* Creating Drillthrough Pages
* Adding Report Interactivity using Bookmarks
* Using conditional formatting
* Using measures to create dynamic properties for reports and visuals
* Using the Liberty Mutual Theme
* Importing Custom Visuals
* Publishing and Sharing Power BI Reports

## Module 06: Distributing Content using App Workspaces

* Limitations of SharePoint Reports and Dashboards
* Understanding App Workspaces (v1 vs v2)
* DOs and DON’T's in sharing content with other users
* Publishing Content in an App Workspace
* Sharing Datasets Across App Workspaces
* Promoting and certifying datasets
* Creating Reports using a shared Dataset

## Module 07: Configuring Row Level Security in Power BI

* Overview of Row Level Security (RLS)
* Creating RLS Roles
* Securing Datasets using RLS Rules
* Testing Row Level Security in Power BI Desktop
* Testing Row Level Security in the Power BI Service
* Designing Projects using Dynamic RLS

## Module 08: Integrating Power BI with Power Apps and Power Automate

* Overview of Power BI Integration Features
* Embedding Power BI Dashboard Tiles in Power Apps
* Extending Power BI Reports using Canvas Apps
* Designing Flows to Update Real-time Dashboards
* Triggering Flows using Power BI Dashboard Alerts