

# **DP-3011 : Implementing a Data Analytics Solution with Azure Databricks**

## **Module 01 : Explore Azure Databricks**

- Provision an Azure Databricks workspace.
- Identify core workloads and personas for Azure Databricks.
- Describe key concepts of an Azure Databricks solution.

## **Module 02 : Use Apache Spark in Azure Databricks**

- Describe key elements of the Apache Spark architecture.
- Create and configure a Spark cluster.
- Use Spark to process and analyze data stored in files.
- Use Spark to visualize data.

## **Module 03 : Use Delta Lake in Azure Databricks**

- Describe core features and capabilities of Delta Lake.
- Create and use Delta Lake tables in Azure Databricks.
- Create Spark catalog tables for Delta Lake data.
- Use Delta Lake tables for streaming data.

## **Module 04 : Use SQL Warehouses in Azure Databricks**

- Create and configure SQL Warehouses in Azure Databricks.
- Create databases and tables.
- Create queries and dashboards.

## **Module 05 : Run Azure Databricks Notebooks with Azure Data Factory**

- Describe how Azure Databricks notebooks can be run in a pipeline.
- Create an Azure Data Factory linked service for Azure Databricks.
- Use a Notebook activity in a pipeline.

- Pass parameters to a notebook.