

POWER BI CERTIFICATE

Gain insights into your data using business intelligence software – Power Business Intelligence. Power BI is a widely used business analytics service offered by Microsoft. Power BI Desktop is a complete data analysis and report creation tool that you install for free.

Discover the process of creating interactive reports. Integrate financial, marketing, or any other source data in your accounting system, Excel, or on the Web. Streamline the data to what is needed using Power Query. Create charts, maps, and other visuals to see your data in real time.

Delve further into Power Query to ETL (Extract, Transform and Load) your data. Build the Data Model using relationships and DAX (Data Analysis Expressions). Utilize Time Intelligence functions to view YoY or YTD reports. Add user friendly features to enhance your reports and analyze your results.

This certificate will enhance your skills in data analysis, giving you greater insight into your organization's performance and allowing you to make more informed decisions.

This Certificate must be taken in the following order:

- **Introduction to Power BI:**

Gain insights into your data! Power BI (business intelligence) is a widely used business analytics service offered by Microsoft. Power BI Desktop is a complete data analysis and report creation tool that you install for free.

In this course, you will discover how to quickly extract, transform, and load data with just a few clicks. You will create interactive visualizations (charts, maps, KPIs) to provide you with insights into your company's data to make informed decisions.

- **Intermediate Power BI:**

Delve further into Power Query to ETL (Extract, Transform and Load) your data. Build the Data Model using modeling features and relationships. Perform calculations using DAX (Data Analysis Expressions) functions. Utilize Time Intelligence functions to view YoY or YTD reports. Add user friendly features to enhance your reports.

- **Advanced Power BI:**

Expand your knowledge of Power BI Desktop to the highest level. This course focuses on the advanced capabilities of Power Query, Data Modeling and Reports. Check for data inconsistencies, design efficient queries, create proper relationships, and write DAX code to ensure reports update quickly and accurately. Add navigation and analytical features to your reports to enable consumers to analyze the results.

CEUs/ILUs: 4.8 Length (in hours): 48 Price in CAD \$665.00

POWER BI CERTIFICATE UNITS

Introduction to Power BI

Unit 1

Overview

- Power BI Components
- Install Power BI Desktop (free software)
- Getting started **Unit 2**

Connect with Data Sources

- Types of data sources
- Import Excel and text files
- Connect to databases (Access)
- Import data from the Web

Unit 3

Transform Data

- Introduction to Power Query
- Shape data
- Filter data
- Understand the Data Model

Unit 4

Creating Reports

- Overview
- Create visuals
- Format reports
- Share your files

Intermediate Power BI

Unit 1

Power Query

- Review the ETL Process
- Insert columns using different methods
- Group, Summarize, Pivot, and UnPivot data
- Merge and Append queries

Unit 2

Data Modeling

- What Data Modeling is
- Modeling Options
- Create and manage relationships
- Create Date table

Unit 3

DAX

- Introduction to DAX
- Calculate columns and measures
- Time Intelligence functions
- Quick Measures

Unit 4

Reports

- Filters versus Slicers
- Visual Hierarchies and Drill downs
- Drillthrough
- Define visual interactions
- Apply conditional formatting

Advanced Power BI

Unit 1

Power Query

- Utilize Column profile, distribution, and quality
- Perform fuzzy match
- Duplicate versus Reference queries
- Debug errors

Unit 2

Data Modeling

- What a Star Schema is
- Understand relationship types
- Manage relationships

Unit 3

DAX

- Understand contexts
- CALCULATE function
- COALESCE function
- Compute visual totals accurately

Unit 4

Reports

- Insert Objects
- Create Bookmarks