



COURSE SYLLABUS

DAX for Power BI

Build advanced DAX skills in Power BI: columns, measures, and tables, row and filter context, multi-table and time calculations, error handling, and testing in DAX Studio.

\$900 per person

9 course hours (on-demand video and labs) plus 1 hour of coaching

On-demand asynchronous training with online support, plus 1 hour of coaching.

DAX for Power BI

Build advanced DAX skills in Power BI: columns, measures, and tables, row and filter context, multi-table and time calculations, error handling, and testing in DAX Studio.

Credential type	Certificate, issued by We Can Code IT
Clock hours	10 (9 course hours plus 1 hour of coaching)
Price	\$900 per person
Time	9 course hours (on-demand video and labs) plus 1 hour of coaching
Delivery	On-demand asynchronous training with online support, plus 1 hour of coaching.
Credential	Certificate of completion from We Can Code IT
Who it is for	This course suits data analysts, BI developers, and report owners whose reports need calculations beyond simple sums, and anyone who maintains measures written by someone else.
Prerequisites	A working star-schema model in Power BI and a few simple measures; Completion of WCCI's Data Model Design Using Power BI course, or equivalent experience, is recommended
Requirements	Requires a Windows PC; Power BI Desktop (free, Windows only); DAX Studio (free third-party tool, Windows only); your IT team may need to approve the install

About this course

This course is entirely about DAX, the formula language behind Power BI calculations. You will learn when to use a calculated column, a measure, or a calculated table, and you will see row and filter context at work rather than just reading definitions. You will then write multi-table, iterator, and time-based calculations, handle errors cleanly, and use DAX Studio to test and speed up your measures.

What you will be able to do

- You will be able to choose between a calculated column, a measure, and a calculated table for a given requirement and explain why.
- You will be able to predict how row context and filter context change a measure's result in a visual.
- You will be able to calculate across related tables using CALCULATE, RELATED, and RELATEDTABLE.
- You will be able to write iterator and table expressions with SUMX, FILTER, and ALL, and handle errors with DIVIDE, IFERROR, and BLANK.
- You will be able to build moving averages, period comparisons, and semi-additive balance measures.

- You will be able to time a slow measure in DAX Studio and Performance Analyzer and rewrite it to run faster.

Syllabus

Module	Hours
1. Columns, Measures, and Calculated Tables Calculated columns, Measures, Calculated tables, Variables and commenting. Lab: You will solve the same business question three ways and decide which approach belongs in the model.	1.5 h
2. Row Context and Filter Context Row context, Filter context, How visuals apply filters. Lab: You will predict the result of a set of measures in a matrix, then check and explain each difference.	1.5 h
3. CALCULATE and Calculating Across Tables CALCULATE, RELATED, RELATEDTABLE, Multi-table calculations. Lab: You will build measures that pull values across related tables to answer a margin question.	1.5 h
4. Iterators, Table Functions, and Error Handling SUMX, FILTER, ALL, DIVIDE, IFERROR, and BLANK. Lab: You will write iterator measures for weighted results and make them return clean values when data is missing.	1.5 h
5. Time-Based Calculations Moving averages, Period comparisons, Semi-additive balances. Lab: You will build a moving average, a period-over-period comparison, and a closing-balance measure for an inventory model.	1.5 h
6. DAX Studio and Performance Analyzer Connecting DAX Studio to Power BI Desktop, Running and timing queries, Performance Analyzer, Rewriting a slow measure. Lab: You will find a slow measure, time it in DAX Studio, and rewrite it to run faster.	1.5 h
Coaching sessions 1 hour of coaching. One-on-one or small-group coaching, scheduled with your coach.	1 h

Live online or in-person sessions are available for an additional fee. Email admissions@wecancodeit.org for details.

Provider

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