



COURSE SYLLABUS

Data Analytics with Microsoft Fabric

Build an end-to-end analytics solution in Microsoft Fabric with a lakehouse, dataflows, pipelines, a notebook, a warehouse, and a Direct Lake semantic model.

\$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.

Data Analytics with Microsoft Fabric

Build an end-to-end analytics solution in Microsoft Fabric with a lakehouse, dataflows, pipelines, a notebook, a warehouse, and a Direct Lake semantic model.

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 Power BI analysts moving into analytics engineering, and data staff whose employer has bought or is trialing Microsoft Fabric.
Prerequisites	Working Power BI skills, such as building models and measures; Ability to read basic SQL queries; Access to a Fabric capacity or a Fabric trial that your tenant administrator allows
Requirements	Requires a Windows PC; Microsoft Fabric runs in a web browser, but the Power BI Desktop parts of the course are Windows only; A paid Fabric capacity or a free Fabric trial (60 days); your tenant administrator may need to allow the trial; The Fabric trial does not include Copilot or other AI experiences, and the course does not use them; A Microsoft work account in your employer's tenant

About this course

This introductory certificate course adds the Microsoft Fabric data platform to the Power BI skills you already have, and it is not preparation for the DP-600 exam. You will land data in a lakehouse with Dataflows Gen2, schedule it with a pipeline, clean it with a guided notebook, and query it through the warehouse and SQL analytics endpoint, finishing with a Direct Lake semantic model and a report built on your own Fabric data.

What you will be able to do

- You will be able to explain how OneLake, workspaces, and capacities fit together and start a Fabric trial.
- You will be able to build a lakehouse and load data into it with Dataflows Gen2.
- You will be able to create a pipeline that orchestrates a load and runs on a schedule.
- You will be able to transform raw data into a clean table using a guided notebook.

- You will be able to query lakehouse and warehouse data through the SQL analytics endpoint.
- You will be able to build a Direct Lake semantic model and a report on top of your Fabric data.

Syllabus

Module	Hours
1. Fabric Foundations OneLake, Workspaces, Capacities, Starting a Fabric trial. Lab: You will set up a Fabric workspace and confirm it is assigned to a capacity or trial.	1 h
2. Build a Lakehouse and Ingest with Dataflows Gen2 Creating a lakehouse, Dataflows Gen2, Loading tables, Files and tables in OneLake. Lab: You will create a lakehouse and load a set of source files into it with a dataflow.	2 h
3. Orchestrate with a Pipeline Pipeline activities, Running a dataflow from a pipeline, Scheduling a load. Lab: You will build a pipeline that runs your dataflow and schedule it to load new data.	1.5 h
4. Transform with a Notebook Notebook basics, Reading lakehouse tables, Cleaning data, Writing a clean table. Lab: You will follow a guided notebook to turn a raw table into a clean table, with no prior Spark experience needed.	1.5 h
5. Query Through the Warehouse and SQL Analytics Endpoint SQL analytics endpoint, Fabric data warehouse, Writing queries. Lab: You will query your clean tables with SQL and save a view for reporting.	1 h
6. Semantic Model and Report with Direct Lake Direct Lake mode, Star schema on Fabric data, Building a report. Lab: You will build a Direct Lake semantic model on your lakehouse and publish one report from it.	2 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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